

DATE: 4/25/2017

Page: 5

BID NO.: 50-00119357

**BID FORM**  
Non Public Works

**All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form**

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES \_\_\_\_\_ NO X \_\_\_\_\_

MAXIMUM ESCALATION PERCENTAGE REQUESTED \_\_\_\_\_ %

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF \_\_\_\_\_.

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

**DELIVERY: FOB JEFFERSON PARISH**

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

4 weeks

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) \_\_\_\_\_

**THIS SECTION MUST BE COMPLETED BY BIDDER:**

FIRM NAME: Astrophysics Inc

ADDRESS: 21481 Ferrero Parkway

CITY, STATE: City of Industry ZIP: 91789

TELEPHONE: (909) 598-5488 FAX: (909) 598-5546

EMAIL ADDRESS: sales@astrophysicsinc.com

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: 50-00119357 Addendum 1

NUMBER: 50-00119357 Addendum 2

NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

TOTAL PRICE OF ALL BID ITEMS: \$ 97,518

AUTHORIZED  
SIGNATURE: 

John Price

Printed Name

TITLE: Chief Operating Officer

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

**NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.**

## INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119357

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			<p>LABOR, MATERIALS, PROGRAMMING &amp; EQUIPMENT NECESSARY TO FURNISH &amp; INSTALL ONE (1) NEW HI-RESOLUTION, HI-SCAN</p> <p>ONE (1) NEW HI-RESOLUTION HI-SCAN 755I XRAY INSPECTION SYSTEM AND ONE NEW HI-RESOLUTION 6040-2IS X-RAY. WE EXTEND THIS BID FOR LABOR, MATERIALS, TRANSPORTATION, PROGRAMING, AND SHIPPING OF ALL NECESSARY ESSENTIAL TO FURNISH AND INSTALL ONE (1) SMITHS DETECTION HI-SCAN 6040-2IS X-RAY INSPECTION SYSTEM AT JEFFERSON PARISH GENERAL GOVERNMENT BUILDING. LOCATED AT 200 DERBIGNY ST., GRETN, LA, 70053 AND ONE (1) SMITHS DETECTION HI-SCAN 755I X-RAY INSPECTION SYSTEM AT THE JOSEPH S. YENNI BUILDING LOCATED AT 1221 ELMWOOD PARK BLVD. AS PER SPECIFICATIONS.</p> <p>*****NOTE***** A PRE-BID CONFERENCE WILL NOT BE HELD FOR THIS BID *****</p> <p>*****SITE VISIT***** IF A SITE VISIT IS NEEDED, PLEASE CONTACT RYAN BABCOCK, ASSISTANT DIRECTOR GENERAL SERVICES AT (504) 364-2675 BETWEEN THE HOURS OF 8:00 AM AND 2:00 PM MONDAY THROUGH FRIDAY, TO SCHEDULE A SITE VISIT. *****</p> <p>*****FIRST ITEM TO BID*****</p>		
1	1.00	EA	0010 ONE (1)SMITHS DETECTION HI-SCAN 6040-2is X-RAY INSPECTION SYSTEM AT THE JEFFERSON PARISH GENERAL GOVERNMENT BLDG. LOCATED AT 200 DERBIGNY ST GRETN	\$41,128.00	\$41,128.00
2	1.00	EA	0020-PROVIDE AN ADDITIONAL ONE (1) YEAR (TWO YEAR TOTAL) EXTENDED WARRANTY AND PREVENTATIVE MAINTENANCE PROGRAM AS DESCRIBED IN SECTION 13.0 AND 10.1 OF THE SPECS FOR THE NEW BIDDER SUPPLIES HI-SCAN 6040-2 IS X-RAY INSPECTION SYSTEM	\$2,802.00	\$2,802.00 total of 2 years
3	1.00	EA	0030-PROVIDE AN ADDITIONAL (2) YEAR (THREE YEARS TOTAL) EXTENDED WARRANTY AND PREVENTATIVE MAINTENANCE PROGRAM AS DESCRIBED ON SECTION 13.0 AND 10.1 OF THE SPECS FOR THE NEW BIDDER SUPPLIED HI-SCAN 6040-2 IS X-RAY INSPECTION SYSTEM.	\$5,892.00	\$5,892.00 total of 3 years

## INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119357

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
4	1.00	EA	0040-PROVIDE AN ADDITIONAL THREE (3) YEAR (FOUR YEARS TOTAL) EXTENDED  WARRANTY AND PREVENTATIVE MAINTENANCE PROGRAM AS DESCRIBED IN SECTION 13.0 AND 10.1 FOR THE SPECS FOR THE NEW BIDDER SUPPLIED HI-SCAN 6040-2is X-RAY INSPECTION SYSTEM.	\$8,940.00	\$8,940.00  total of 4 years
5	1.00	EA	0050-ONE (1) SMITHS DETECTION OR OWNER APPROVED EQUAL HI-SCAN 7555I X-RAY  INSPECTION SYSTEM AT THE JOSEPH S. YENNI BUILDING LOCATED AT 1221 ELMWOOD PARK BLVD. JEFFERSON	\$23,985.00	\$23,985.00
6	1.00	EA	0060-PROVIDE AN ADDITIONAL ONE (1) YEAR (TWO YEAR TOTAL) EXTENDED WARRANTY AND  PREVENTATIVE MAINTENANCE PROGRAM AS DESCRIBED IN SECTION 13.0 AND 10.1 OF THE SPECS FOR THE NEW BIDDER SUPPLIED HI-SCAN 7555I X-RAY INSPECTION SYSTEM.	\$1,556.00	\$1,556.00  total of 2 years
7	1.00	EA	0070-PROVIDE AN ADDITIONAL TWO (2) YEAR (THREE YEARS TOTAL) EXTENDED WARRANTY  AND PREVENTATIVE MAINTENANCE PROGRAM AS DESCRIBED IN SECTION 13.0 AND 10.1 OF THE SPECS FOR THE NEW BIDDER SUPPLIED HI-SCAN 7555I X-RAY INSPECTION SYSTEM.	\$3,693.00	\$3,693.00  total of 3 years
8	1.00	EA	0080-PROVIDE AN ADDITIONAL THREE (3) YEAR (FOUR YEAR TOTAL) EXTENDED WARRANTY  AND PREVENTATIVE MAINTENANCE PROGRAM AS DESCRIBED IN SECTION 13.0 AND 10.1 OF THE SPECS FOR THE NEW BIDDER SUPPLIED HI-SCAN 7555I X-RAY INSPECTION SYSTEM.	\$5,872.00	\$5,872.00  total of 4 years
9	1.00	EA	0090-ALTERNATE NO.1-PROVIDE COST FOR LABOR AND MATERIALS TO INSTALL ONE (1) NEW BIDDER SUPPLIED HI-PE ENHANCED WALK-THROUGH MULTI-ZONED METAL DETECTOR. AS PER THE SPECS IN SECTION 8.0.	\$3,650.00	\$3,650.00

50-00119357

Revised Per Addendum #1

Non-Public Works Bid

AFFIDAVIT

STATE OF California

PARISH/COUNTY OF Los Angeles

BEFORE ME, the undersigned authority, personally came and appeared: John Price  
\_\_\_\_\_, (Affiant) who after being by me duly sworn, deposed and said that  
he/she is the fully authorized Chief Operations Officer of Astrophysics Inc. (Entity),  
the party who submitted a bid in response to Bid Number 50-00119357, to the Parish of  
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

**(Choose A or B, if option A is indicated please include the required  
attachment):**

**Choice A** \_\_\_\_\_ Attached hereto is a list of all campaign contributions, including  
the date and amount of each contribution, made to current or  
former elected officials of the Parish of Jefferson by Entity,  
Affiant, and/or officers, directors and owners, including  
employees, owning 25% or more of the Entity during the two-year  
period immediately preceding the date of this affidavit or the  
current term of the elected official, whichever is greater. Further,  
Entity, Affiant, and/or Entity Owners have not made any  
contributions to or in support of current or former members of the  
Jefferson Parish Council or the Jefferson Parish President through  
or in the name of another person or legal entity, either directly or  
indirectly.

**Choice B** X there are **NO** campaign contributions made which would require  
disclosure under Choice A of this section.



Debt Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

Choice A \_\_\_\_\_ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

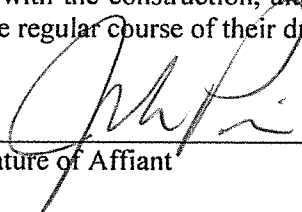
Choice B   X   There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

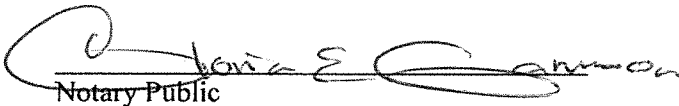
*[The remainder of this page is intentionally left blank.]*

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

  
\_\_\_\_\_  
Signature of Affiant

John Price  
\_\_\_\_\_  
Printed Name of Affiant

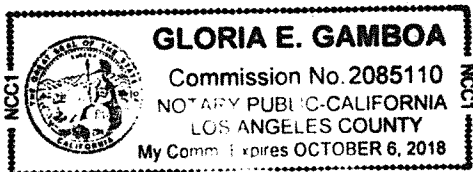
SWORN AND SUBSCRIBED TO BEFORE ME  
ON THE 12 DAY OF 05, 2018.

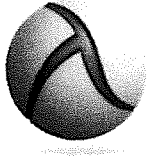
  
\_\_\_\_\_  
Notary Public

Gloria E Gamboa  
\_\_\_\_\_  
Printed Name of Notary

2085110  
\_\_\_\_\_  
Notary/Bar Roll Number

My commission expires 08/06/2018.





**ASTROPHYSICS<sup>TM</sup>**

21481 Ferrero Parkway  
City of Industry, CA 91789  
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[www.astrophysicsinc.com](http://www.astrophysicsinc.com)

June 13, 2016

To whom this may concern:

Re: John Price / Signing Authority for Astrophysics Inc.

Please be advised that Mr. John Price is the Chief Operating Officer of Astrophysics Inc. and is authorized and approved to sign contracts, addendums, amendments, purchase orders and other instruments of whatever nature on behalf of Astrophysics Inc.

Sincerely,


Francois Zayek  
President/CEO

# AUTHORITY TO SIGN CONTRACTS AND OTHER OFFICIAL DOCUMENTS ON BEHALF OF ASTROPHYSICS

No person is authorized to approve, sign or execute contracts or agreements (including modifications, extensions and renewals) that obligate Astrophysics to the performance of any act unless authority has been delegated by the Board of Directors.

PERSON WITH AUTHORITY	CONTRACTS / DOCUMENTS	LIMITS	NOTES
John Price, COO	<u>Sales</u> Contracts involving the sale of goods and services, including leases, renewals, amendments, MOUs, LOIs, Bids, Tenders, Solicitations; Proposals; Authorizations; Dealer Agreements	\$1,000,000	
	<u>Manufacturing / Operations</u> Contracts for the acquisition of goods and services, including renewals, amendments, MOUs, LOIs	\$50,000	
	<u>Administration</u> Non-Disclosure Agreements / Confidentiality	\$0	
	Expenses: Operating supplies, Professional services, Maintenance Agreements, software licensing	\$10,000	
Mark Laustra, VP of Sales (Americas) Mathew Batarse, Director of Sales (Asia)	<u>Sales</u> Quotes; Tender Documents; Authorization letters awarding exclusivity for a specific project	\$1,000,000	Authority may be delegated to Sales Managers, at the discretion of the VP of Sales, Director of Sales
Jesus Rivera, Electrical Engineer Feren Tamura, Quality Engineer	<u>Technical Documents</u> Certificates of Manufacturing; Product Safety Certificates; CE Conformity	N/A	
Feren Tamura, Safety Officer	<u>OSHA</u> OSHA Certificates	N/A	

Mary Zayek, Director of Service	<u>Service</u> Contracts involving maintenance, technical support and repair, extended warranty on parts; Training	\$50,000	
Francois Tawk, Service Manager	<u>Service</u> Contracts involving maintenance, technical support and repair	\$10,000	

  
Francois Zayek, Director, CEO



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**Detailed Technical Specification of X-Ray System Supplied for Jefferson Parish  
Meet/Exceed Sheet for XIS-7858 versus HI-Scan 7555i**

Item	Specifications	Meet	Exceed	Comments on XS-7858
	<b>General Requirements:</b>			
<b>I.</b>	<b>Physical system parameters</b>			
1.	Max Object Size: 24.4" (W) x 16.5" (H) 24.2" (W) x 16.1" (H)		Yes	30.6" (W) x 22.8" (H)
2.	Conveyor Height Approx. 31.4"	Approx		69.1 cm (27.2") from Floor Including roller tables
Item	Specifications	Meet	Exceed	Comments on XS-7858
<b>II.</b>	<b>Technical system parameters:</b>			
3.	Conveyor Speed: Approx. 0.2 / 0.24 [m/s] 50 Hz/60 Hz	Approx		23 cm/s Forward or Reverse
4.	Max Conveyor Load: 160kg (352 lbs.)		Yes	165 kg (364 lbs) Evenly Distributed Load
5.	Resolution: Standard: 39 AWG (0.09 mm) Typical: 40 AWG (0.08)	Approx		40 AWG Typical, 38 AWG Standard
6.	Steel Penetration: Standard: 35 mm Typical: 37 mm		Yes	39 mm Typical, 37 mm Standard
7.	X – Ray Dose: 4.6 µSv	Yes		
8.	External Dose: < 1 µSv / h	Yes		
9.	Film safety guaranteed: Up to ISO 1600 (33DIN) Max 5 Inspections	Yes		Guaranteed up to ISO 1600 (33DIN)
10.	Operating Cycle: 100% no Warm-Up	Yes		Duty Cycle: 100%, No Warm-Up Procedure Required
Item	Specifications	Meet	Exceed	Comments on XS-7858
<b>III.</b>	<b>Technical parameters of X-Ray Generator:</b>			
1.	X-Ray Generator Quantity:	Yes		
2.	Anode voltage cooling: 160 kV cp hermetically sealed oil bath	Yes		Sealed Di-Electric Oil Bath with Forced Air
3.	Beam Direction: Horizontal and Vertical	Yes		Diagonally Upward Shooters
Item	Specifications	Meet	Exceed	Comments on XS-7858
<b>IV.</b>	<b>Technical parameters of Image Generating System</b>			
1.	X-Ray Converter: Dual View Detector system large	Yes		



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	scale monolithic amplifier			
2.	Grey Levels Stored: 4096	Yes		
3.	Image Presentation: B/W, color Hi Mat Plus	Yes		
4.	Digital Video Memory: 1280 x 1024 / 24 bit	Yes		1280 x 1024; 24 Bit/Pixel Color
5.	Image evaluation functions: VARI-MAT, O2, OS, HIGH, Low, NEG stepless electronic zoom: 64x	Yes		
6.	Monitor: Two (2) 19" Flat panel LCD monitor w/ stand	Yes	Yes	Dual 19" and 24" LCD Color Monitors

Item	Specifications	Meet	Exceed	Comments on XS-7858
<b>IV.</b>	<b>Additional Features:</b>			
1.	Fading-in of date/time	Yes		
2.	Luggage Counter	Yes		Baggage Counter
3.	User ID-Number	Yes		
4.	Luggage Marking System (acoustic)	Yes		Screener Assist- audio able alarm
5.	Display of Operating Mode	Yes		
6.	Review Feature (to recall visible image areas)	Yes		
7.	Zoom Overview		Yes	Vertical Zoom Panning Continuous Zoom up to 64x
8.	USB 2.0 interface	Yes		
9.	Stepless Zoom	Yes		Continuous Scanning

Item	Specifications	Meet	Exceed	Comments on XS-7858
<b>IV.</b>	<b>Additional Options</b>			
1.	HI-TIP	Yes		Threat Image Protection (TIP) Software
2.	HI-SPOT	Yes		Density Alert
3.	SEN	Yes		Enhanced Image
4.	XPIore	Yes		Organic/ Inorganic Imaging
5.	IMS (Image Store System) Up To 100,000 images		Yes	Auto Image Archiving (up to 150,000 images)
6.	Xport	Yes		Images can be exported BMP and JPEG format
7.	Media Bay for RIDA 250 GB)	Yes		

Item	Specifications	Meet	Exceed	Comments on XS-7858
<b>IV.</b>	<b>Installation Data</b>			
1.	X-Ray Leakage: Meets all applicable laws and regulations w/ respect to X-Ray emitting devices		Yes	Compliant with USFDA, Center for Devices and Radiation Health Standards for Cabinet X-Ray Systems (21-CFR 1020.40)



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2.	CE-labeling in compliance w/ directives: 2004/108/EC, 2006/42/EC, 2006/95/EC	Yes		
3.	Sound Pressure Level: < 70 dB(A)	Yes		
4.	Operating/storage temperature: 0 – 40 degrees C / -20 degrees C - + 60 degrees C	Yes		Operating Temperature: 0°C - 40°C \ 32°F - 104°F Storage Temperature: -20°C - 60°C \ - 4°F - 140°F
5.	Humidity: 10% - 90% (non-condensing)	Yes		Up to 95% Non-Condensing
6.	Power Supply Standard: 100, 120, 230, 240, VAC +10% / - 20% 50 Hz / +- 3 Hz	Yes		110VAC±10%, 50/60Hz, 20 Amp Max 220VAC ±10%, 50/60Hz, 15 Amp Max
7.	Power Consumption: Approx. 1.2 kVA	Yes		
8.	Protection Class system/Keyboard: IP 20 / IP 43	Yes		
9.	Dimensions: 2340 (L) x 1314 (W) x 1372 (H) [mm] 83.5" (L) x 38.8" (W) x 56.8" (H)	Approx		Dimensions: 1899 (L) x 1006 (W) x 1400 (H) [mm] 74.8" (L) x 39.6" (W) x 55.1" (H)
10.	Weight Approx. 580 kg or 1278.7 lbs	Yes		565 kg (1250 lbs)
11.	Mechanical construction: Steel construction w/ steel panels, mounted on roller castors	Yes		
12.	Standard Color: Silver Matt/811-W1 (Blue)	Yes		





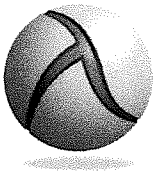
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## Detailed Technical Specification of X-Ray System Supplied for Jefferson Parish Meet/Exceed Sheet for XIS-6545DV versus HI-Scan 6040-2is

Item	Specifications	Meet	Exceed	Comments on 6545DV
	<b>General Requirements:</b>			
<b>I.</b>	<b>General system parameters system</b>			
1.	Max Object Size: 24.4" (W) x 16.5" (H) 24.2" (W) x 16.1" (H)		Yes	25.6" (W) x 17.7" (W)
2.	Conveyor Height Approx. 31.4"	Approx		69.1 cm (27.2") from Floor Including new roller tables
Item	Specifications	Meet	Exceed	Comments on 6545DV
<b>II.</b>	<b>Technical parameters of the system:</b>			
3.	Conveyor Speed: Approx. 0.2 / 0.24 [m/s] 50 Hz / 60 Hz	Approx		23 cm/s (45 ft/min) Forward or Reverse
4.	Max Conveyor Load: 160kg (352 lbs.)		Yes	165 kg (364 lbs) Evenly Distributed Load
5.	Resolution:  Standard: 39 AWG (0.09 mm)		Yes	40 AWG Standard
	Typical: 40 AWG (0.08)		Aprox	41 AWG Typical
6.	Steel Penetration:  Standard: 35 mm		Yes	39 mm Standard
	Typical: 37 mm		Yes	41 mm Typical
7.	X – Ray Dose: 4.6 µSv		Yes	
8.	External Dose: < 1 µSv / h		Yes	
9.	Film safety guaranteed: Up to ISO 1600 (33DIN); Max 5 Inspections	Yes		Guaranteed up to ISO 1600 (33DIN)
10.	Operating Cycle: 100% no Warm-Up	Yes		Duty Cycle: 100%, No Warm-Up Procedure Required
Item	Specifications	Meet	Exceed	Comments on 6545DV
<b>III.</b>	<b>Technical parameters of X-Ray Generator:</b>			
1.	X-Ray Generator Quantity: QTY of 2	Yes		
2.	Anode voltage cooling: 160 kV cp hermetically sealed oil bath	Yes		Sealed Di-Electric Oil Bath with Forced Air
3.	Beam Direction: Horizontal and Vertical	Yes		Diagonally Upward Shooters
Item	Specifications	Meet	Exceed	Comments on 6545DV
<b>IV.</b>	<b>Technical parameters of Image Generating System</b>			
1.	X-Ray Converter: Dual View Detector system large scale monolithic amplifier	Yes		
2.	Grey Levels Stored: 4096	Yes		



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3.	Image Presentation: B/W, color Hi Mat Plus	Yes		
4.	Digital Video Memory: 1280 x 1024 / 24 bit	Yes		1280 x 1024; 24 Bit/Pixel Color
5.	Image evaluation functions: VARI-MAT, O2, OS, HIGH, Low, NEG stepless electronic zoom: 64x	Yes		
6.	Monitor: Two (2) 19" Flat panel LCD monitor w/ stand	Yes	Yes	Dual 19" and 24" LCD Color Monitors

Item	Specifications	Meet	Exceed	Comments on 6545DV
<b>IV.</b>	<b>Additional Features:</b>			
1.	Fading-in of date/time	Yes		
2.	Luggage Counter	Yes		Baggage Counter
3.	User ID-Number	Yes		
4.	Luggage Marking System (acoustic)	Yes		Screener Assist – audio able alarm
5.	Display of Operating Mode	Yes		
6.	Review Feature (to recall visible image areas)	Yes		
7.	Zoom Overview		Yes	Vertical Zoom Panning Continuous Zoom up to 64x
8.	USB 2.0 interface	Yes		
9.	Stepless Zoom	Yes		Continuous Scanning

Item	Specifications	Meet	Exceed	Comments on 6545DV
<b>IV.</b>	<b>Additional Options</b>			
1.	HI-TIP	Yes		Threat Image Protection (TIP) Software
2.	HI-SPOT	Yes		Density Alert
3.	SEN	Yes		Enhanced Imaging
4.	XPlore	Yes		Organic/ Inorganic Imaging
5.	IMS (Image Store System) Up To 100,000 images		Yes	Auto Image Archiving (up to 150,000 images)
6.	Xport	Yes		
7.	Media Bay for R1DA 250 GB)	Yes		

Item	Specifications	Meet	Exceed	Comments on 6545DV
<b>IV.</b>	<b>Installation Data</b>			
1.	X-Ray Leakage: Meets all applicable laws and regulations w/ respect to X-Ray emitting devices		Yes	Compliant with USFDA, Center for Devices and Radiation Health Standards for Cabinet X-Ray Systems (21-CFR 1020.40)
2.	CE-labeling in compliance w/ directives: 2004/108/EC, 2006/42/EC, 2006/95/EC	Yes		
3.	Sound Pressure Level: < 70 dB(A)	Yes		
4.	Operating/storage temperature: 0 – 40 degrees C / -20 degrees C - + 60	Yes		Operating Temperature: 0°C - 40°C \ 32°F - 104°F



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	degrees C			Storage Temperature: -20°C - 60°C \ -4°F - 140°F
5.	Humidity: 10% - 90% (non-condensing)	Yes		Up to 95% Non-Condensing
6.	Power Supply Standard: 100, 120, 230, 240, VAC +10% / -20% 50 Hz / +/- 3 Hz		Yes	110VAC±10%, 50/60Hz, 20 Amp Max 220VAC ±10%, 50/60Hz, 15 Amp Max
7.	Power Consumption: Approx. 1.2 kVA	Yes		
8.	Protection Class system/Keyboard: IP 20 / IP 43	Yes		
9.	Dimensions:* 2340 (L) x 1314 (W) x 1372 (H) [mm]	Yes		84.0" (L) x 42.0" (W) x 51.0" (H)
10.	Weight Approx. 580 kg or 1278.7 lbs		Yes	800 kg (1760 lbs)
11.	Mechanical construction: Steel contruction w/ steel panels, mounted on roller castors	Yes		
12.	Standard Color: Silver Matt/811-W1 (Blue)	Yes		

\* The solicitation appears to mistakenly convert mm to inches. The 6545DV (which is 1064 mm or 42 inches wide) exceeds compliance with what the specification requires for max width in mm (i.e., 1314mm), but not with their (mistaken) conversion to inches (38 inches)!

HOLD DOCUMENT UP TO THE LIGHT TO VIEW TRUE WATERMARK

**citibank**<sup>®</sup>

Citibank, N.A.

OFFICIAL CHECK

HOLD DOCUMENT UP TO THE LIGHT TO VIEW TRUE WATERMARK

314186456

6220  
311

FC# 00688 FA# 005 \$0.00 ONL  
030-02 CK. Ser. # 314186456

DATE 05/11/17

PAY \*\*\*\*\* FIVE THOUSAND DOLLARS \*\*\*\*\*

\*\*\*\$5,000.00\*\*

TO THE ORDER OF \*\*\*\*\*  
JEFFERSON PARISH  
BID # 50-00119357\*\*\*\*\*

NAME OF REMITTER  
ASTROPHYSICS INC

Drawer: Citibank, N.A.

ADDRESS  
Citibank, N.A. One Penn's Way  
New Castle, DE 19720

BY *[Signature]*  
AUTHORIZED SIGNATURE

MP



Security  
Features  
Printed on  
Back

⑈314186456⑈

⑆031100209⑆

3876292⑈



# CERTIFICATE OF LIABILITY INSURANCE

ASTRO-1

OP ID: LF

DATE (MM/DD/YYYY)

12/02/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Shorepoint Insurance Services CA License # 0K07568 1120 Bristol St. Costa Mesa, CA 92626-5964 Ray Markley		<b>CONTACT NAME:</b> Rhonda Burrus <b>PHONE (A/C, No, Ext):</b> 714-430-0035 <b>FAX (A/C, No):</b> <b>E-MAIL ADDRESS:</b> rburrus@shorepointinsurance.com	
		<b>INSURER(S) AFFORDING COVERAGE</b>	
		<b>INSURER A:</b> Hartford Fire Insurance Co.	
		<b>INSURER B:</b> Twin City Fire Insurance Co.	
		<b>INSURER C:</b> ACE American Insurance Co.	
		<b>INSURER D:</b>	
		<b>INSURER E:</b>	
		<b>INSURER F:</b>	

**COVERAGES**      **CERTIFICATE NUMBER:**      **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			72CCSOF6976	12/01/2016	12/01/2017	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	<input checked="" type="checkbox"/> <b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			72UUNPT2515	12/01/2016	12/01/2017	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
B	<input type="checkbox"/> <b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION \$			72XSON0842	12/01/2016	12/01/2017	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 TRIA Incl \$
A	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	72WEZS8101	12/01/2016	12/01/2017	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	<b>Foreign Liability</b>			PHFD37928343004	12/01/2016	12/01/2017	Occur 2,000,000 Aggregate 4,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Insurance Schedule includes additional named insureds: Astro Fab,  
Astrophysics International

**CERTIFICATE HOLDER****CANCELLATION****PROOFON**

FOR THE PURPOSES OF PROOF ONLY

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

© 1988-2014 ACORD CORPORATION. All rights reserved.

**Request for Taxpayer  
Identification Number and Certification**

Give form to the  
requester. Do not  
send to the IRS.

Print or type See Specific Instructions on page 2.	Name (as shown on your income tax return) <b>ASTROPHYSICS INC.</b>	
	Business name, if different from above <b>ASTROPHYSICS INC.</b>	
	Check appropriate box: <input type="checkbox"/> Individual/Sole proprietor <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Limited liability company. Enter the tax classification (D=disregarded entity, C=corporation, P=partnership) ▶ ..... <input type="checkbox"/> Exempt payee <input type="checkbox"/> Other (see instructions) ▶	
	Address (number, street, and apt. or suite no.) <b>21481 FERRERO PARKWAY CITY OF INDUSTRY</b>	
	City, state, and ZIP code <b>CA 91789</b>	
	List account number(s) here (optional)	
Requester's name and address (optional)		

**Part I Taxpayer Identification Number (TIN)**

Enter your TIN in the appropriate box. The TIN provided must match the name given on Line 1 to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

**Note.** If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

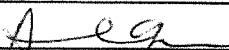
Social security number	
: : : : : :	
or	
Employer identification number	
20 : 2078464	

**Part II Certification**

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
- I am a U.S. citizen or other U.S. person (defined below).

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN. See the instructions on page 4.

<b>Sign Here</b>	Signature of U.S. person ▶ 	Date ▶ 8/17/16

**General Instructions**

Section references are to the Internal Revenue Code unless otherwise noted.

**Purpose of Form**

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

**Note.** If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

**Definition of a U.S. person.** For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

**Special rules for partnerships.** Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

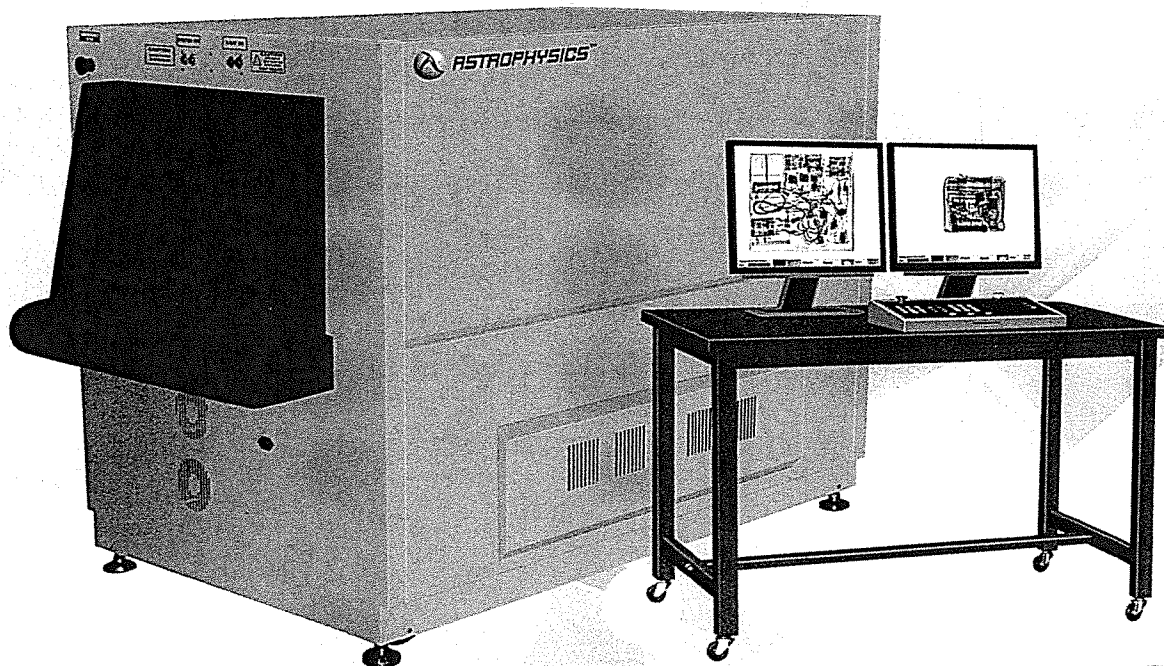
The person who gives Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States is in the following cases:

- The U.S. owner of a disregarded entity and not the entity,



# ASTROPHYSICS™

TOMORROW'S TECHNOLOGY FOR TODAY'S SECURITY



## XIS-6545DV

## Dual View Technology

### Checkpoint Security: Baggage and Parcel Inspection



#### TRANSPORTATION

*Airport entrances and perimeters,  
air cargo, and checkpoint technology.*



#### PORTS & BORDERS

*Border control, sea ports, and  
other large cargo sectors.*



#### CRITICAL INFRASTRUCTURE

*Access control for prisons, courthouses,  
mailrooms, hotel entrances and  
military bases.*

The XIS-6545DV is a dual view X-Ray Inspection System with tunnel dimensions 65.0 cm x 45.0 cm (25.6" x 17.7"). Designed for high threat security locales, the XIS-6545DV is ideal for airports, government facilities, ports, hospitals and banks.

The XIS-6545DV features dual X-Ray generators to create two different image perspectives which can be manipulated independently. By utilizing dual view technology, alongside 6 Color Imaging and Atomic Z-Number Measurement, the XIS-6545DV provides unparalleled threat identification.

Ultimately, the XIS-6545DV maximizes throughput and enhances detection in locations where time efficiency and high security screening is crucial.

All Astrophysics X-ray Inspection Systems are equipped with Real-Time Diagnostics, a unique Astrophysics feature which allows users to monitor system health. This software was specifically engineered to save you valuable time and money. If requested, Astrophysics would also be able to connect to your system and troubleshoot any issues remotely.

An exclusive Astrophysics option is our 6 Color Imaging, which enables operators to view screened objects in 6 colors, each color correlating to a specific range of Atomic Z-Numbers. 6 Color Imaging enables operators to achieve optimal material identification which improves throughputs.

Astrophysics is committed to providing quality products and services nationwide. We listen to our customers and offer customizations and order flexibility based on their needs.

Backed by a team of engineers from our City of Industry, California center of excellence headquarters, Astrophysics designs cutting-edge X-ray screening technology for detecting weapons and contraband for transportation, ports, borders, critical infrastructure and other industries that present security risks.

Astrophysics is headquartered in the United States and maintains a global presence with service delivery worldwide. Astrophysics is committed to global safety and is proud to present this new age of screening security—driving the industry into the technology of tomorrow.





## GENERAL SPECIFICATIONS

- Tunnel Opening: 65.0 cm x 45.0 cm  
(W x H) 25.6" x 17.7"
- Dimensions<sup>2</sup>: 213.0 cm x 106.4 cm x 129.1 cm  
(L x W x H) 84.0" x 42.0" x 51.0"
- Shipping Dimensions<sup>2</sup>: 279.4 cm x 122.0 cm x 183.0 cm  
(L x W x H) 110.0" x 48.0" x 72.0"
- Net Weight<sup>2</sup>: 800 kg (1760 lbs)
- Shipping Weight<sup>2</sup>: 1100 kg (2425 lbs)
- Conveyor Speed: 23 cm/s (45 ft/min) Forward or Reverse
- Conveyor Height: 69.1 cm (27.2") from Floor
- Conveyor Capacity: 165 kg (364 lbs) Evenly Distributed Load

## TECHNICAL

- Wire Resolution: 41 AWG Typical, 40 AWG Standard
- Spatial Resolution: 1.0 mm Horizontal, 1.0 mm Vertical
- Steel Penetration: 41 mm Typical, 39 mm Standard
- Contrast Sensitivity: 24 Visible Levels, 4096 Gray Level
- Film Safety: Guaranteed up to ISO 1600 (33DIN)

## X-RAY GENERATOR

- Voltage: Dual 180kV, Operating at 165kV
- Tube Current: Dual 1.2 mA
- Cooling: Sealed Di-Electric Oil Bath with Forced Air
- Duty Cycle: 100%, No Warm-Up Procedure Required
- Beam Direction: Diagonally Upward Shooters
- Detector: 2560 Channels in an L-Shaped Array

## COMPUTER

- Processor: Intel® Core i5
- Memory: 4 GB RAM
- Storage: 500 GB HDD, 120 GB SSD
- Video Card: 1 GB Video Card
- Platform: Windows® OS
- Backup: Uninterruptible Power Supply  
(Computer Operation - 20 Minute)

## VIDEO

- Display Type: Dual 19" LCD Color Monitors
- Display Resolution: 1280 x 1024; 24 Bit/Pixel Color

## ENVIRONMENTAL

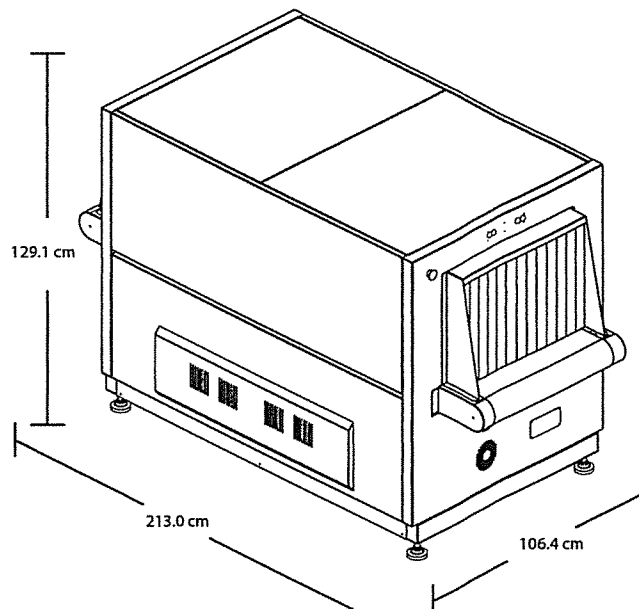
- Operating Temperature: 0°C - 40°C \ 32°F - 104°F
- Storage Temperature: -20°C - 60°C \ -4°F - 140°F
- Humidity: Up to 95% Non-Condensing

## ELECTRICAL

- Power Requirements: 110VAC ± 10%, 50/60Hz, 20 Amp Max  
220VAC ± 10%, 50/60Hz, 15 Amp Max

## HEALTH AND SAFETY

- Compliant with USFDA, Center for Devices and Radiation Health Standards for Cabinet X-Ray Systems (21-CFR 1020.40)
- Typical radiation leakage is less than 0.1 mR/hr (Leakage less than 0.5 mR/hr permitted by the Federal Standard)



## STANDARD FEATURES

- 6 Color Imaging
- 9 Quadrant Zoom
- Atomic Z-Number Measurement
- Auto Image Archiving (150,000)
- Baggage Counter
- Color and Black/ White Imaging
- Continuous Scanning
- Continuous Zoom up to 64x
- Vertical Zoom Panning
- Geometric Image Distortion Correction
- High Penetration Function
- Heavy Duty Roller Casters
- Image Annotation
- Image Review
- JPEG Conversion
- Material Discrimination
- Multi-Tier Accessibility
- Network Ready
- Organic/ Inorganic Imaging
- Operator Training Program (OTP)
- Picture Perfect
- Print Image Capable
- Pseudo Color
- Real-Time Image Manipulation
- Real-Time Self Diagnostics
- Reverse Monochrome
- Save Image (RGB)

## OPTIONAL FEATURES<sup>3</sup>

- 24" LCD Monitors
- Custom Paint
- Density Alert
- Entry/ Exit Roller Tables (50 cm Increments)
- Footmat Operator Interlock
- Image Analysis Program (IAP)
- Image Analysis Program - LITE (IAP - LITE)
- Larger Heavy Duty Casters
- Local Language Support
- Polar Kit
- Radiation Meter
- Remote Workstation Configuration
- Screener Assist Software
- Sloped Conveyor
- Test Case
- Threat Image Protection (TIP) Software
- Tropical Kit
- Wireless Barcode Scanning



<sup>1</sup> As tested on Astrophysics Inc. Test Piece.

<sup>2</sup> Weight and dimensions of the system may vary depending on customization.

<sup>3</sup> Optional features may affect lead time price, and weight of XIS-6545DV. Please contact your Astrophysics Sales Representative for more information.

<sup>4</sup> Maximum Values on ASTM F792 Test Piece.

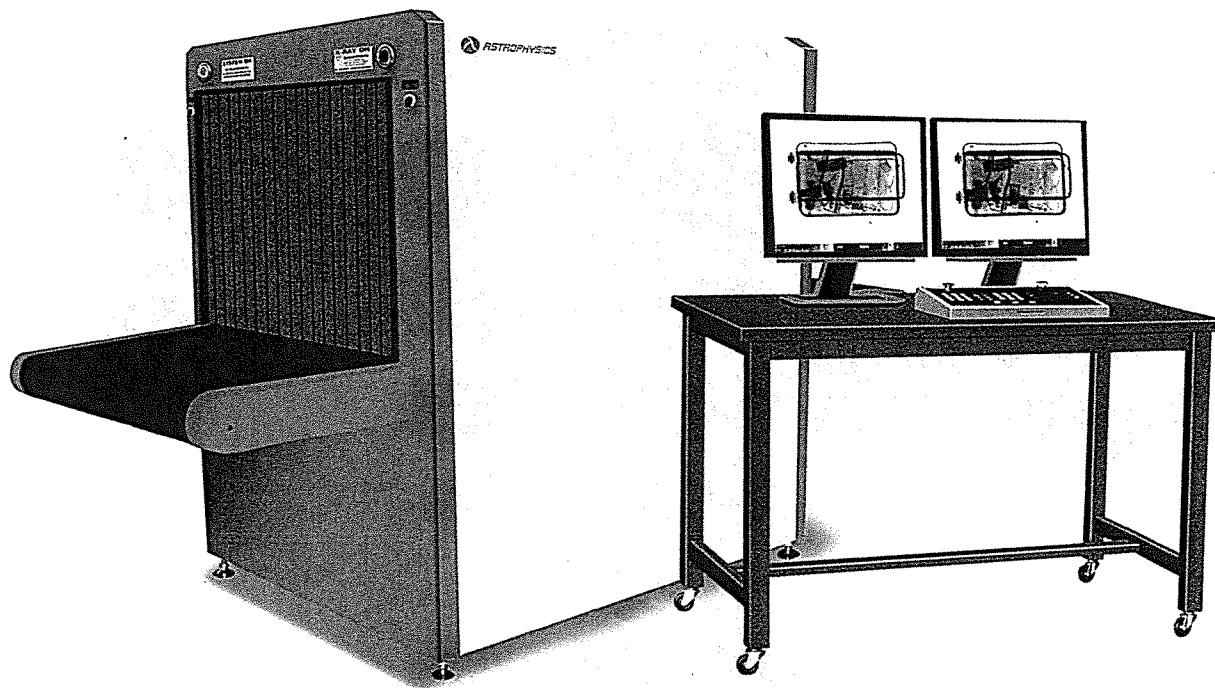
Due to continued product research and development, Astrophysics Inc. reserves the right to amend all technical specifications without prior notice.





# ASTROPHYSICS™

TOMORROW'S TECHNOLOGY FOR TODAY'S SECURITY



## XIS-7858

## Minimized System Footprint

### Checkpoint Security: Baggage and Parcel Inspection



#### TRANSPORTATION

Airport entrances and perimeters,  
air cargo, and checkpoint technology.

The XIS-7858 is a uniquely engineered X-Ray Inspection System with a tunnel size of 77.8 cm x 58.0 cm (30.6" x 22.8"). The XIS-7858 is designed to provide maximum object screening with a minimized system profile. The XIS-7858 is well-suited for hotels, corporate sites, government offices, mailrooms and airports.

An exclusive Astrophysics option is our 6 Color Imaging, which enables operators to view screened objects in 6 colors, each color correlating to a specific range of Atomic Z-Numbers. 6 Color Imaging enables operators to achieve optimal material identification which improves throughputs.

Astrophysics is committed to providing quality products and services nationwide. We listen to our customers and offer customizations and order flexibility based on their needs.

Backed by a team of engineers from our City of Industry, California center of excellence headquarters, Astrophysics designs cutting-edge X-ray screening technology for detecting weapons and contraband for transportation, ports, borders, critical infrastructure and other industries that present security risks.

Astrophysics is headquartered in the United States and maintains a global presence with service delivery worldwide. Astrophysics is committed to global safety and is proud to present this new age of screening security—driving the industry into the technology of tomorrow.



#### PORTS & BORDERS

Border control, sea ports, and  
other large cargo sectors.

The XIS-7858 is the largest XIS Series system for small parcel capacity. The XIS-7858 features a standard 180kV generator for heightened penetration and enhanced object recognition.

The XIS-7858 is the ideal screening solution for any location in need of increased screening dimensions within a consolidated space.



#### CRITICAL INFRASTRUCTURE

Access control for prisons, courthouses,  
mailrooms, hotel entrances and  
military bases.

All Astrophysics X-ray Inspection Systems are equipped with Real-Time Diagnostics, a unique Astrophysics feature which allows users to monitor system health. This software was specifically engineered to save you valuable time and money. If requested, Astrophysics would also be able to connect to your system and troubleshoot any issues remotely.





## GENERAL SPECIFICATIONS

- Tunnel Size: 77.8 cm x 58.0 cm  
(W x H) 30.6" x 22.8"
- Dimensions<sup>1</sup>: 229.2 cm x 100.6 cm x 140.0 cm  
(L x W x H) 90.2" x 39.6" x 55.1"
- Shipping Dimensions<sup>2</sup>: 243.8 cm x 115.6 cm x 182.8 cm  
(L x W x H) 96.0" x 45.5" x 72.0"
- Net Weight: 587 kg (1294 lbs)
- Shipping Weight<sup>2</sup>: 861 kg (1898 lbs)
- Conveyor Speed: 23 cm/s (45 ft/min) Forward or Reverse
- Conveyor Height: 69.1 cm (27.2") from Floor
- Conveyor Capacity: 165 kg (364 lbs) Evenly Distributed Load

## TECHNICAL

- Wire Resolution: 40 AWG Typical, 38 AWG Standard
- Spatial Resolution: 1.0 mm Horizontal, 1.0 mm Vertical
- Steel Penetration: 39 mm Typical, 37 mm Standard
- Contrast Sensitivity: 24 Visible Levels, 4096 Gray Level
- Film Safety: Guaranteed up to ISO 1600 (33DIN)

## X-RAY GENERATOR

- Voltage: 180kV, Operating at 165kV
- Tube Current: 1.2 mA
- Cooling: Sealed Di-Electric Oil Bath with Forced Air
- Duty Cycle: 100%, No Warm-Up Procedure Required
- Beam Direction: Diagonally Upward
- Detector: 1664 Channels in an L-Shaped Array

## COMPUTER

- Processor: Intel® Core i5
- Memory: 4 GB RAM
- Storage: 500 GB HDD, 120 GB SSD
- Video Card: 1 GB Video Card
- Platform: Windows® OS
- Backup: Uninterruptible Power Supply  
(Computer Operation- 20 min)

## VIDEO

- Display Type: Dual 19" LCD Color Monitors
- Display Resolution: 1280 x 1024; 24 bit/pixel Color

## ENVIRONMENTAL

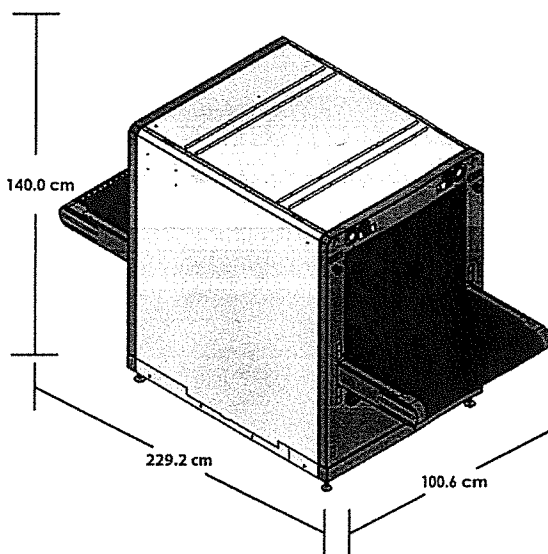
- Operating Temperature: 0°C - 40°C \ 32°F - 104°F
- Storage Temperature: -20°C - 60°C \ -4°F - 140°F
- Humidity: Up To 95% Non-Condensing

## ELECTRICAL

- Power Requirements: 110VAC ± 10%, 50/60Hz, 15 Amp Max  
220VAC ± 10%, 50/60Hz, 10 Amp Max

## HEALTH AND SAFETY

- Compliant with USFDA, Center for Devices and Radiation Health Standards for Cabinet X-Ray Systems (21-CFR 1020.40)
- Typical Radiation leakage is less than 0.1 mR/hr (Leakage less than 0.5 mR/hr permitted by the Federal Standard)

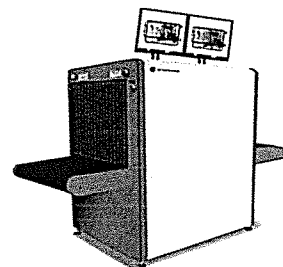


## STANDARD FEATURES

- 6 Color Imaging
- 9 Quadrant Zoom
- Atomic Z-Number Measurement
- Auto Image Archiving (150,000)
- Baggage Counter
- Color and Black/ White Imaging
- Continuous Scanning
- Continuous Zoom up to 64x
- Vertical Zoom Panning
- Geometric Image Distortion Correction
- High Penetration Function
- Heavy Duty Roller Casters
- Image Annotation
- Image Review
- JPEG Conversion
- Material Discrimination
- Multi-Tier Accessibility
- Network Ready
- Organic/ Inorganic Imaging
- Operator Training Program (OTP)
- Picture Perfect
- Print Image Capable
- Pseudo Color
- Real-Time Image Manipulation
- Real-Time Self Diagnostics
- Reverse Monochrome
- Save Image (RGB)

## OPTIONAL FEATURES<sup>3</sup>

- 24" LCD Monitors
- Custom Paint
- Density Alert
- Entry / Exit Roller Tables (50 cm Increments)
- Footmat Operator Interlock
- Image Analysis Program (IAP)
- Image Analysis Program - LITE (IAP - LITE)
- Larger Heavy Duty Casters
- Local Language Support
- Polar Kit
- Radiation Meter
- Remote Workstation Configuration
- Screener Assist Software
- Sloped Conveyor
- Standalone/Table-Free (pictured right)
- Test Case
- Threat Image Projection (TIP) Software
- Tropical Kit
- Wireless Barcode Scanning



<sup>1</sup>As tested on Astrophysics Inc. Test Piece.

<sup>2</sup>Weight and dimensions of the System may vary depending on customization.

<sup>3</sup>Optional Accessories may affect lead time, price, and weight of XIS-7858. Please contact your Astrophysics Sales Representative for more information. Due to continued product research and development, Astrophysics Inc. reserves the right to amend all technical specifications without prior notice.



# ***XIS-6545DV***

## ***TECHNICAL SPECIFICATIONS***

## **Contents**

### **PHYSICAL SPECIFICATIONS**

Physical Dimensions  
Conveyor System  
Environmental Conditions

### **ELECTRICAL SPECIFICATIONS**

Power Requirements  
X-Ray Generator  
Detection System

### **INTERFACE SPECIFICATIONS**

Onboard PC  
Advanced Operator Control Panel  
Monitors

### **IMAGING TECHNOLOGY**

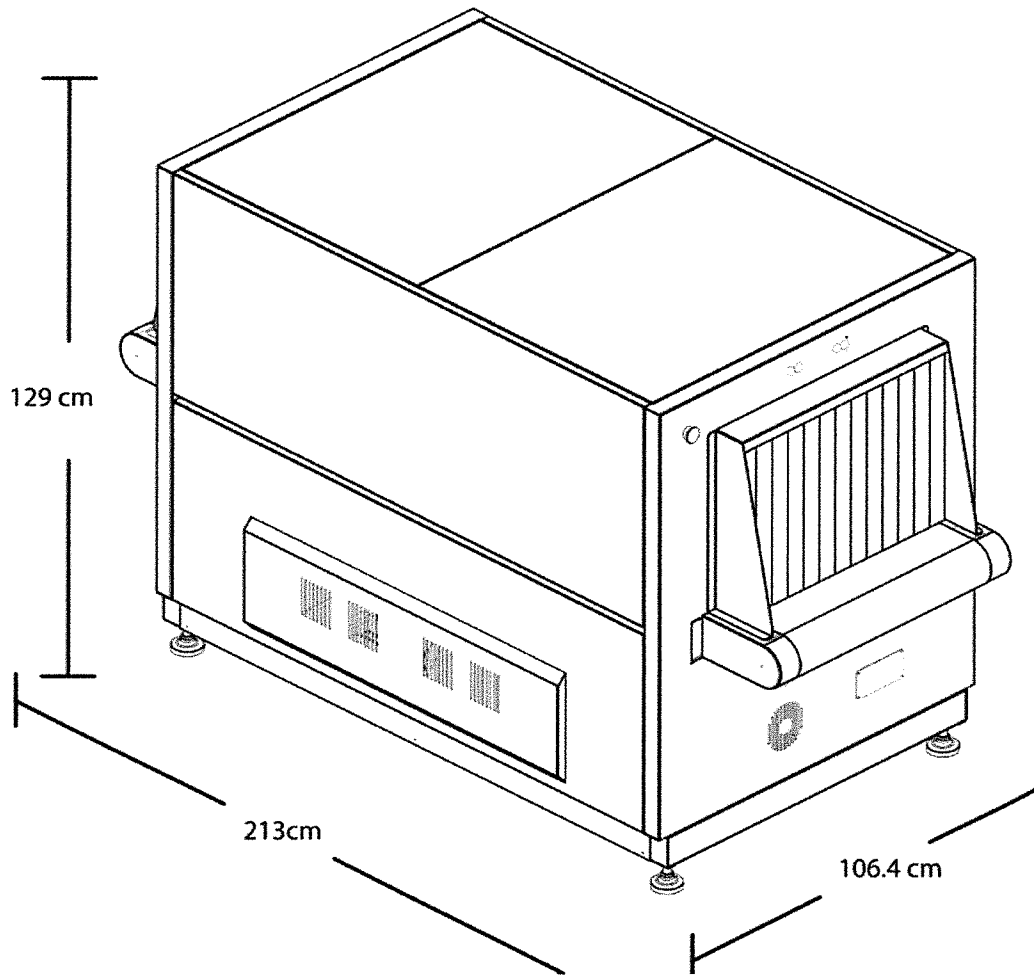
Performance Characteristics  
Image Manipulation Options  
Additional Functions

### **HEALTH AND SAFETY**

Applicable Health and Safety Regulations  
Safety Features

### **OPTIONAL SOFTWARE / ACCESSORIES**

Software  
Hardware



## Physical Specifications

### PHYSICAL DIMENSIONS:

- L x W x H: 213 cm x 106.4 cm x 129 cm  
84" x 42" x 51"
- Tunnel Opening (W x H): 65 cm x 45 cm  
25.6" x 17.7"
- Max Object Size (W x H): 64.5 cm x 44.5 cm  
25.4" x 17.5"
- Shipping L x W x H: 279.4 cm x 122 cm x 183 cm  
110" x 48" x 72"
- Net Weight: 800 kg (1760 lbs)
- Shipping Weight: 1100 kg (2425 lbs)



#### CONVEYOR SYSTEM

- Speed: 23 cm/s (45 ft/min) in either (forward or reverse) direction
- Conveyor Type: Seamless low maintenance belt
- Load Capacity: 165 kg (363 lbs) evenly distributed load
- Conveyor Height: 73 cm (29") from floor

#### ENVIRONMENTAL CONDITIONS

- Operating Temperature: 0°C (32°F) TO 40°C (104°F)
- Storage Temperature : -20°C (-4 °F) TO +60°C (140°F)
- Humidity: 0 TO 95% (non-condensing)

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### Electrical Specifications

#### POWER REQUIREMENTS

- Power Requirements for 120VAC input, 15 Amp Max. Optional VAC voltage regulators are available for 100 VAC operations.
- Power Requirements for 198-230VAC 50/60 HZ, 10 Amp Max. Optional VAC voltage regulators are available for 200 VAC operations.

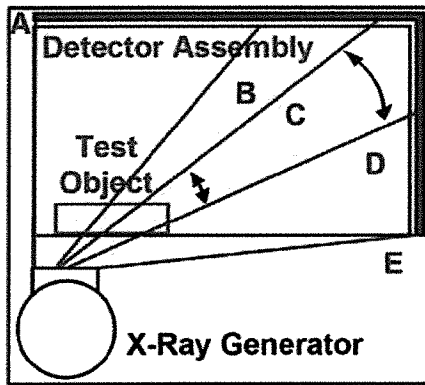
#### X-RAY GENERATOR

- Both x-ray generators are rated at 180 kV, but operate at 165 kV.
- Both x-ray tubes are rated at 1.2 mA operation.
- Both x-ray generators are rated for 100% duty cycle operation.
- X-Ray Generator 1 and 2 beam directions are diagonally upward.
- Both x-ray tubes use a di-electric oil bath with forced air for cooling.
- Two x-ray controllers protect the x-ray generators from abnormal over-voltage and over-current operation.

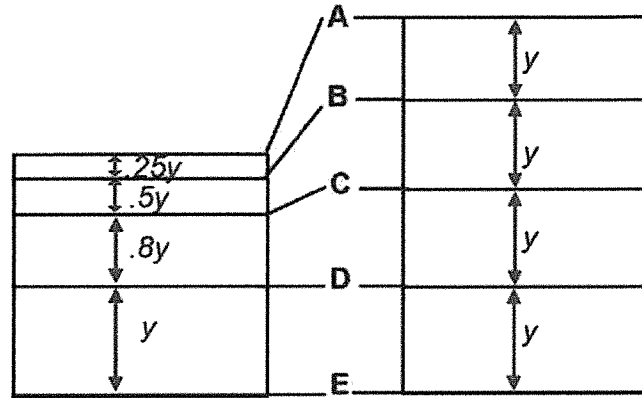
#### DETECTION SYSTEM

- System utilizes two multi-energy (i.e. dual energy) stacked array x-ray detector assembly with 1280 high energy and low energy x-ray detectors, or 2560 detectors for both assemblies.
- The XIS measures and compares the transmission of *High Energy* (high frequency) and *Low Energy* (low frequency) x-rays through items that are being imaged. From this comparison, the XIS is able to determine approximate material composition.

- Detector assembly is *L-Shaped*. If left unchecked, the displayed image would present a skewed object image due to the size of the object and the variable distance from the X-ray source. As the diagram below shows, the closer the object is to the X-ray source, the more compressed the image becomes.



Detector Assembly (Not to Scale)

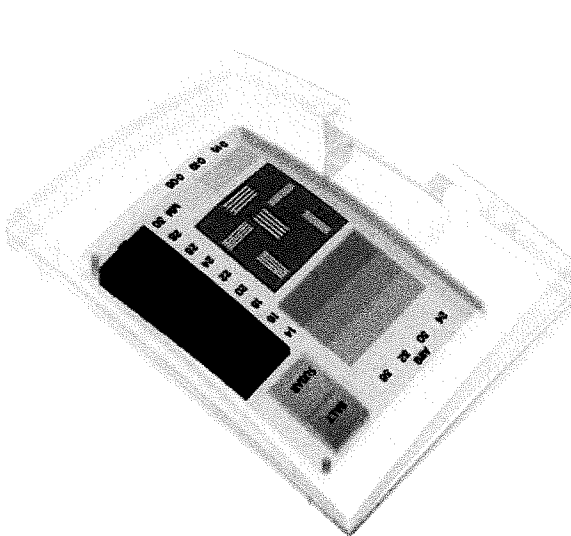


Geometric Distortion

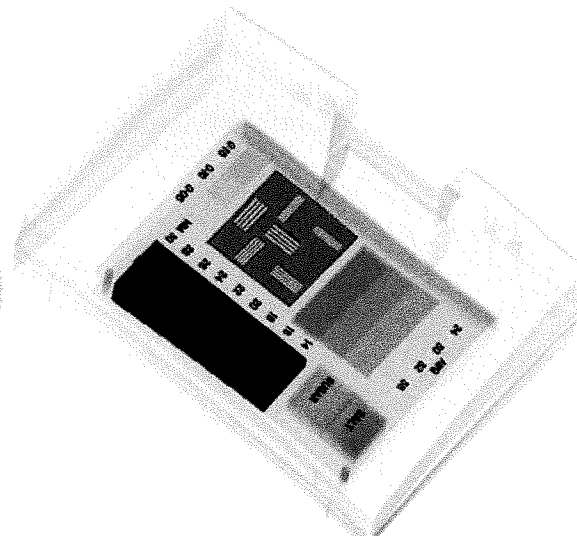
Geometric Distortion  
with Correction

Scanned Image

- XIS On-board PC automatically performs geometric correction to prevent the image from appearing skewed. The X-Ray client interprets the size of the object with respect to the distance from the X-ray source to present a uniformly thick object. As you can note on the images below, the image on the left without the geometric correction is bent and noticeably smaller than the corrected image on the right.



No Geometric Correction



Automatic Geometric Correction

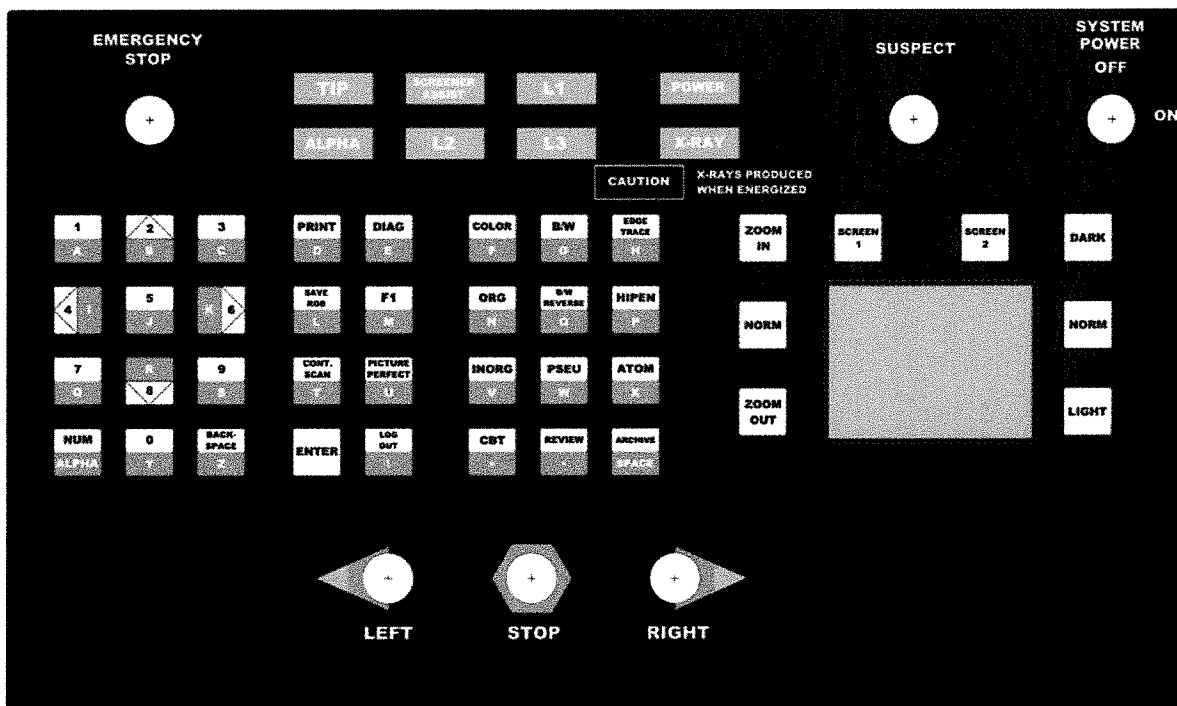
- X-ray detector assembly uses scintillating crystals and high-gain electronic amplifiers.
- The X-ray detector scans and displays the entire image without any corner cutoffs.

## Interface Specifications

### ONBOARD PC:

- Processor: Intel® Core i5, 3.1GHz, 6 MB cache
- Memory: 2 GB RAM at 1333 MHz
- Storage: 500 GB HDD
- Video Card: 1 GB Video Card, Dual Digital Display
- Platform: Windows® XP Pro
- Uninterruptible Power Supply (UPS) to maintain power to PC and electronics in case of power outage. UPS is programmed to initiate PC shutdown after a pre-defined time has elapsed at which time it turns itself off in order to preserve its battery. Once power is restored, the PC restarts normally and the UPS automatically is reset.

### ADVANCED OPERATOR CONTROL PANEL



- Ergonomic, alphanumeric design with touch pad mouse and multiple buttons dedicated to all the different image manipulation options.
- Controlled by a key switch to enable operation of control panel.
- Lights displaying the status of the machine, and a speaker can be used for audible alarms.



## MONITORS

- Dual 19" LCD color monitors with image resolution of 1280 x 1024 pixels.
- Monitor One displays color imaging, enhanced organic material separation imaging, enhanced inorganic material separation imaging, B&W (black on white) imaging, reverse B&W (white on black) imaging, and pseudo color imaging.
- Monitor Two displays color imaging, enhanced organic material separation imaging, enhanced inorganic, B&W (black on white) imaging, reverse B&W (white on black) imaging, and pseudo color imaging for perspective 2.

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## Imaging Technology

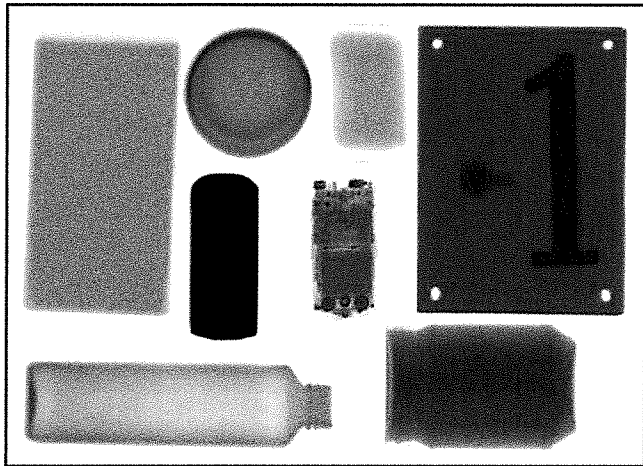
### PERFORMANCE CHARACTERISTICS

- Wire Resolution: 41 AWG typical / 40 AWG standard
- Simple Penetration: 41 mm typical / 39 mm standard
- Spatial Resolution: 1.0 mm horizontal / 1.0 mm vertical
- Organic/Inorganic Material Discrimination: The system is capable of discriminating between organic and inorganic materials as measured by the ASTM F792-88 Test Piece - Test #7.
- Organic Differentiation: The system is capable of classifying organic material masked by 0.48 mm of steel as measured by the ASTM F792-88 Test Piece - Test #9.

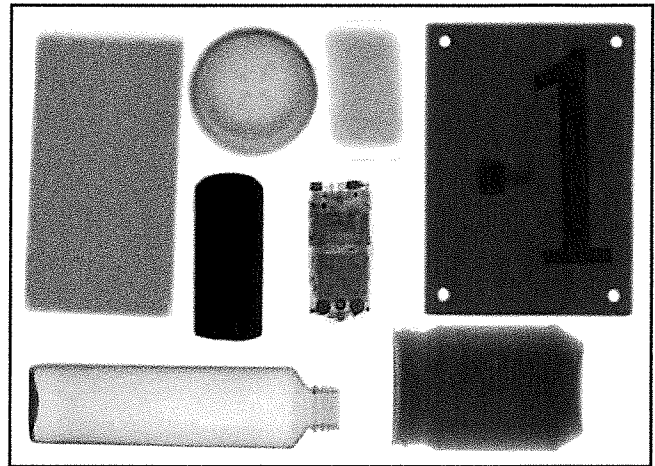
### IMAGE MANIPULATION OPTIONS:

- 6 Color Atomic Display: The default display option utilizes atomic number analysis and assigns colors based on their respective densities.

Z-Number	Material Type	3-Color	6-Color	Examples	Possible Threats
0-8	Organic	Orange	Brown	Wood, Oil	C-4, TNT, Semtex
8-10	Low Inorganic	Orange	Orange	Paper, Alcohol	Cocaine, Heroin
10-12	High Inorganic	Green	Yellow	Glass	Propellants
12-17	Light Metals	Green	Green	Aluminum, Silicon	Gunpowder, Trigger Devices
17-29	Heavy Metals	Blue	Blue	Iron, Steel	Guns, Bullets, Knives
29+	Dense Metals	Blue	Violet	Gold, Silver	High-Value Contraband
-	Impenetrable	Black	Black	Lead	Shielding for Above Threats



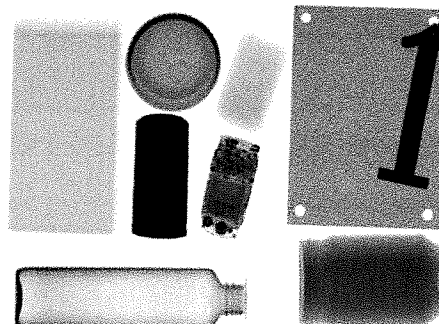
**3 Color Software**



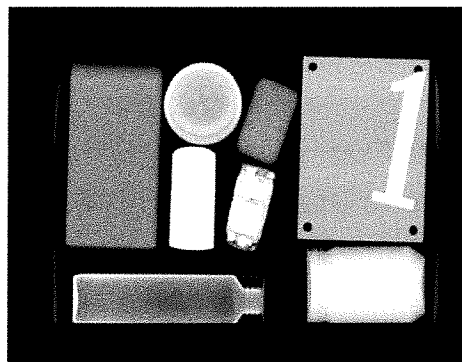
**6 Color Software**

**From left to right, top to bottom:**

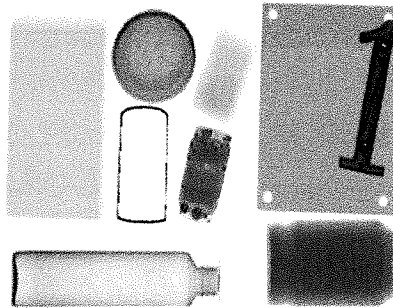
Stack of paper, ashtray, bar of soap, sheet of metal, set of keys #1 sign (silver), lead curtain, cell phone, glass bottle and peanut butter.



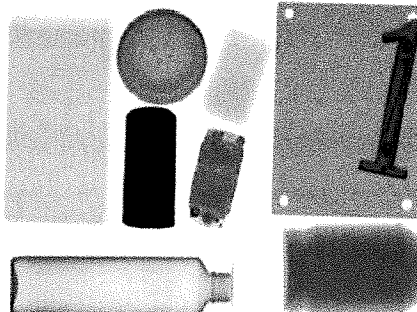
- **Black and White:** This option provides a standard grey scale display of the image.



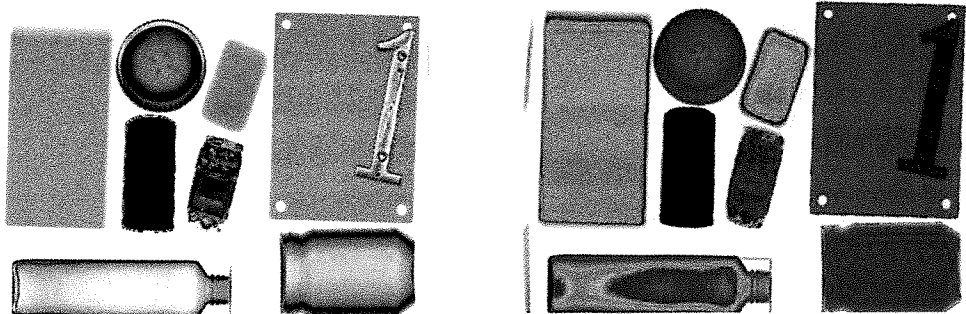
- Reverse Black and White: This option provides a reverse grey scale display of the image.



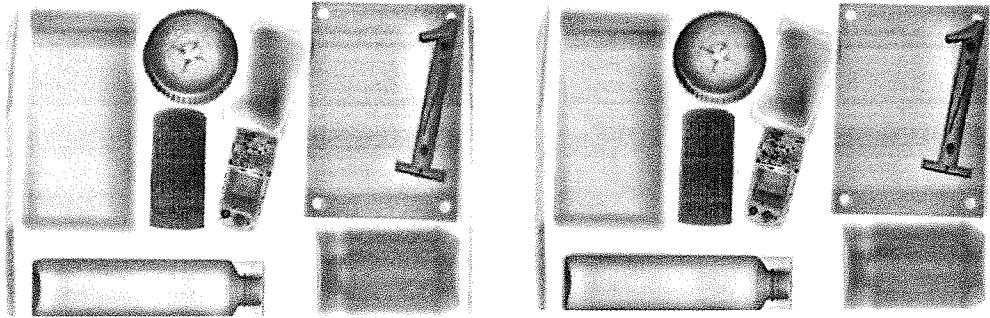
- Organic Emphasis: This option emphasizes the organic portions of the image by highlighting the organic areas in orange and displaying the rest of the image in grey.



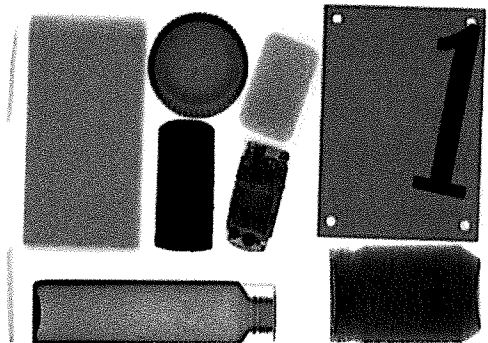
- Inorganic Emphasis: This option emphasizes the inorganic portions of the image by highlighting all of the inorganic areas in blue and displaying the rest of the image in grey.



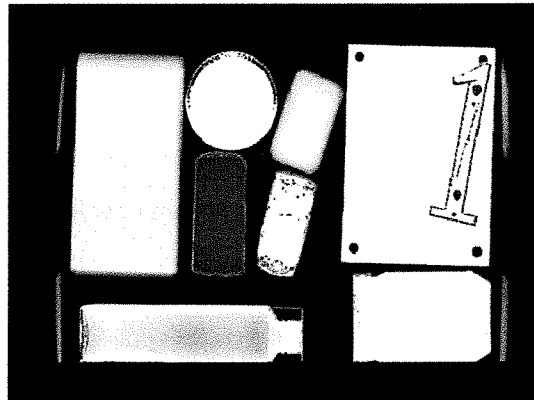
- Pseudo Color: This option applies multiple color palettes to produce unique images. The operator may scroll through available color options using the contrast button on the control panel.



- **Picture Perfect:** This option automatically analyzes and normalizes an image so all areas of the scanned image are visible to the operator. When picture perfect is activated, an image containing multiple, layered objects will become very clear for identification. This feature can be utilized in both color and black and white mode.



- **Edge Enhancement:** This option instantly enhances the outline and shape of each individual item in the screened image so operators have an easier time assessing threats.



- **Hi-Penetration:** This option instantly increases the penetration level to maximum for immediate clarification of dense objects.



- **Contrast:** Operators can adjust the imaging contrast of the XIS System to either lighten or darken an area for improved image assessment.
- **Real Time Image Manipulation:** Please note that all image manipulation occurs in real time. Operators have access to all function tools with an immediate software response.
- **Zoom:** Astrophysics software features both Continuous Zoom and 9 Quadrant Zoom. With Continuous Zoom, operators can zoom in up to 64X via the AOCF touchpad cursor. In contrast, 9 Quadrant Zoom divides the screen into 9 sections, where each number on the AOCF keypad corresponds to the location of the quadrant on the image screen. This function permits operators to quickly zoom in on individual quadrants for fast threat identification.

#### ADDITIONAL FUNCTIONS:

- **Atomic Number Selection:** When operators select Atomic Number and use the touchpad mouse to drag select an area on a scanned image, the XIS System will display the atomic number for that region. This option permits operators to accurately identify material groups and assess threat objects. The Atomic Number displayed will be accurate to within 0.2 counts.
- **Automatic Centering:** The XIS System automatically centers all images scanned regardless of their location during the screening process. The centering function ensures that there are no corner cutoffs or image clipping.
- **Automatic Image Archive:** The XIS System automatically archives the last 50,000 images scanned. When the capacity is reached, the system will start deleting the oldest images to allow storage for the newest images. Additionally, the PC will always ensure an available storage space of 10 GB upon startup.



#### XIS Interface Task Bar

- **Baggage Counter:** The XIS Interface Task Bar includes a baggage counter.
- **Continuous Scanning:** This option allows operators to by-pass the photo-sensors located at the ends of the tunnel and enable the x-ray generator to be excited as soon as the conveyor belt starts moving. This function allows operators to scan low density organics or very long objects without image distortion and cutoff.
- **Date/Time Display:** The XIS interface screen features a date / time display.
- **Density Alert:** The XIS System automatically highlights impenetrable areas with red dots to alert operators to the suspicious areas and potential threat.
- **Image Annotation:** This option allows operators to draw a frame around a suspect area of a scanned image and enter three alphanumeric letters for reference. Operators can then save the image for later review, or transmit the image to a Secondary Review Station or Supervisor Workstation.
- **Image Processing:** The XIS System performs continuous automatic image optimization (adjusting for contrast and gamma), as well as image enhancements (geometric distortion correction) to produce an accurate and sharp image. The XIS System utilizes 24-bit real time image processing to accomplish this.



- **Image Review:** The XIS System permits operators to review the last 100 images scanned in the XIS System by selecting a scanned image and using the AOCP buttons to move forward or backward.

**Please Log In**

☐ Operator
 ☐ Administrator

User Name Operator ▼

Password

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Astrophysics, LLC © 21 601 Farnsworth Parkway, City Of Industry, CA 91708 Phone: 909 590 5400 Fax: 909 590 9546

**XIS System Login Screen**

- **Multi-Tiered Security:** The XIS System interface features a Login for operators and Administrators with unique programmable passwords to facilitate different levels of accessibility.
- **Operating Mode Display:** The XIS Scanning Screen displays a task bar indicating the image manipulation mode the operator is currently in.
- **Print:** The XIS System features a print function that allows operators to print the current image at the push of a button. The XIS System does not include a printer, but is compatible with most printers via USB connection. Customers may also request a specific printer for their XIS System.
- **Save Image (RGB):** Operators can manually save multiple images to a different folder on the XIS System. This permits operators to pick and choose which images he/she wants to review later with a PC, or print the image.

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## Health and Safety

### APPLICABLE HEALTH AND SAFETY REGULATIONS:

- USA FDA for cabinet X-ray Systems (Federal Standard 21-CFR 1020.40)
- Health and Safety at Work Act 1974 - Section 6, amended by the Consumer Protection Act 1987
- U.S. Federal Aviation Administration Standards "Use of X-Ray Systems" (Federal Standards 14 CFR 108.17 and 14 CFR 129.26)



#### SAFETY FEATURES:

- All XIS Systems are protected by a minimum of 2 layers of lead curtains on both the entry and exit portions of the inspection tunnel. The lead curtains prevent harmful radiation from escaping the X-Ray tunnel.
- External radiation leakage of less than 0.1mR/Hr (1 $\mu$ sv/hr) as measured in contact with outer panels. Radiation leakage measurements are performed with a scatter block device in path of the x-ray beam to identify the worst-case radiation leakage.
- If the system becomes overloaded, the system circuit breakers automatically disconnect power from the main AC input.
- Interlock switches are located on exterior system access panels. When any of these exterior access panels are opened or removed, the interlock switches automatically disable the X-ray generator and conveyor belt.
- *Power-ON* and *X-ray ON* indicator lights are located at both ends of the x-ray inspection tunnel and on the Operator Control Panel.
- Two "Emergency Stop" buttons are placed on each side of the X-Ray machine, and one additional "Emergency Stop" button is located on the Operator Control Panel.
- Prominent labels warn users to not insert any part of their body when the x-rays are produced.

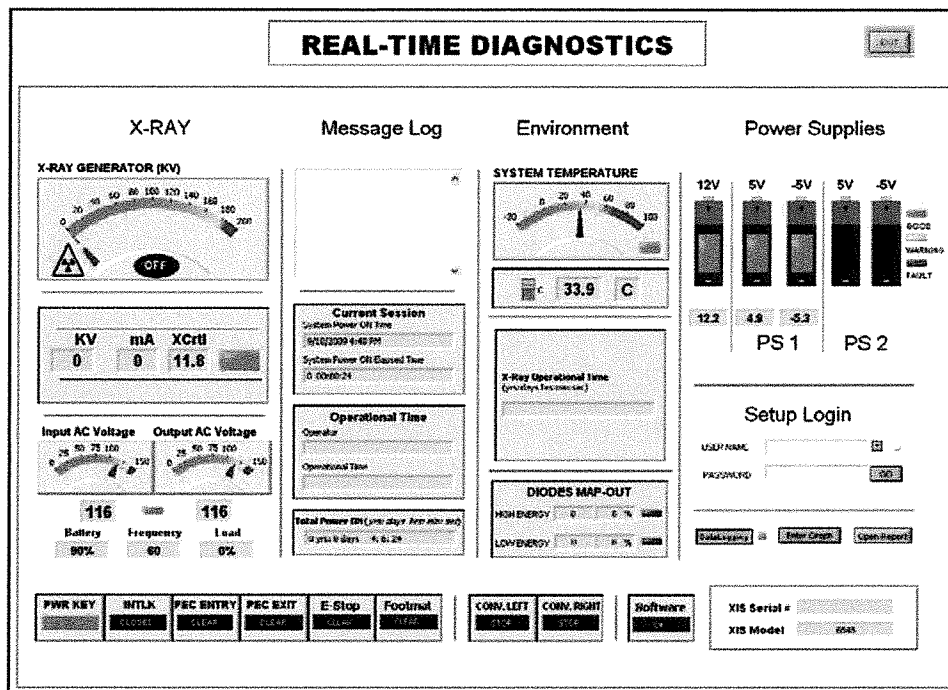
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### Optional Software / Accessories

#### SOFTWARE:

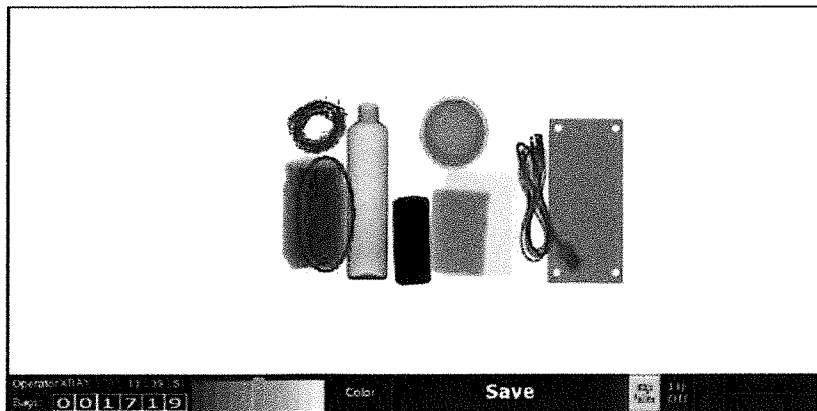
- **Computer Based Training (CBT):** Computer Based Training significantly enhances the detection skills and XIS knowledge of operators. The XIS System includes a complimentary operator training program with a small pre-scanned image library containing various normal and threat images. In addition, a full suite library of images is available as an optional upgrade. This software can be activated on the XIS system or any standard laptop or PC for optimum training flexibility. Computer Based Training is interactive, self-paced instruction that covers x-ray screening fundamentals, a step-by-step walkthrough of Astrophysics software and advanced features, as well as detailed training reports and records management.
- **Localized Language Support:** Astrophysics offers multiple languages that can be set as the default operator interface language. These include Arabic, Chinese, English, French, Italian, Japanese and Spanish; additional languages may be available upon request.
- **Threat Image Projection Software (TIP):** TIP is a valuable detection tool for operators and administrators. The software has a large library with a range of threat objects and operates by periodically inserting a threat object into a scanned image. When a threat object is detected, operators push the "Suspect" button on the AOCP to signify they recognize the threat. If the operator fails to identify a threat, the system will pause and the threat object will flash on the screen to notify the operator of the missed threat. TIP exposes operators to various threat objects and further practice in threat identification. Moreover, TIP enables administrators to evaluate the threat detection capabilities of operators and ensure they are screening effectively. The TIP software may be enabled or disabled as desired from the administrator menu so as not to disrupt the standard screening process.



**Real Time Continuous Diagnostics Display**

- The XIS System is standard equipped with a self diagnostic system and display which permits operators to view the following information:
  - Internal Power Supplies
  - Environmental Temperature
  - AC Voltage and UPS Monitoring
  - X-Ray Generator Power
  - Power Key
  - Interlock Switch
  - Emergency Buttons
  - System Power On / Elapsed Time
  - Operator Time
  - Total Power On Time
  - Diode Map Out
- Additionally, the Real-Time Diagnostics Display also features a message log so the system can notify the operator of any faults.
- INTERNET CALL CENTER (ICC) Astrophysics is the only company in the industry to offer such a comprehensive and efficient approach to customer service. The ICC features direct video conferencing, remote system connectivity, and facilitates fast service support and expedited parts ordering. The development of the ICC demonstrates Astrophysics' ongoing commitment to improve our response time and quality of our customer service.





### Screener Assist

- **Screener Assist Software:** The Screener Assist Software is an advanced real-time detection tool designed to aid operators in identifying explosives. The software specifically searches for explosives as they are often the most difficult threat for operators to detect. Astrophysics Screener Assist Software analyzes each screened image and automatically identifies and isolates explosives with a red ellipse for heightened detection.

### HARDWARE:

- **Climate Variable Kit:** Astrophysics has various kits that can be added-on to make the system more efficient or operational within the climate it is deployed.
  - **Tropical Kit:** The Tropical Kit add-on mounts additional fans and desiccants within the XIS System so the unit remains unaffected in areas with high precipitation and humidity.
  - **Polar Kit:** The Polar Kit add-on mounts a heating pad on the generator in order to keep the XIS System within the optimal operational temperature in areas of extreme cold.
- **Constant Voltage Stabilizer:** The constant voltage stabilizer is an external device that serves as a buffer between the localized power source and the XIS System. The stabilizer protects the XIS System by compensating for unpredictable energy spikes and abrupt drops in power.
- **Custom Paint:** Customers may specify a particular paint scheme or additional artwork to fit in with the aesthetic of system placement.
- **Extended Roller Beds:** The XIS System may be supplemented with extended roller beds for longer clearance and larger objects. Additionally, roller beds may be motorized as a secondary option.
- **Footmat:** The footmat is an additional safety interlock system to ensure that the operator is present at the designated location during XIS system operation. Unless the operator places his or her foot on the mat, the system will not operate.
- **Radiation Meter:** Customers may choose from multiple radiation meters to perform on-site checks for possible radiation leakage as an additional safety measure.
- **System Drape:** The system drape is an additional cover for the XIS System when the unit is not utilized. The cover protects the system from potentially damaging environmental factors and physical damage.



- Test Kit: Customers may choose from multiple test pieces, including an ASTM case, to perform on-site checks for consistency and reliability of units after repeated scans. The test kits serve as a baseline for which the performance of multiple units may be evaluated.
- Workstations: Astrophysics offers a variety of workstations, including the Remote Operator Workstation, Remote Workstation, Secondary Review Workstation, and Supervisor Workstation. Remote Workstations can be added to any Astrophysics System for added screening security and efficiency. For more information about workstations, please contact your Astrophysics Sales Representative.



**ASTROPHYSICS™**



# ***XIS-7858 TECHNICAL SPECIFICATIONS***



**ASTROPHYSICS™**

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## **Contents**

**Physical Specifications**

**Electrical Specifications**

**Interface Specifications**

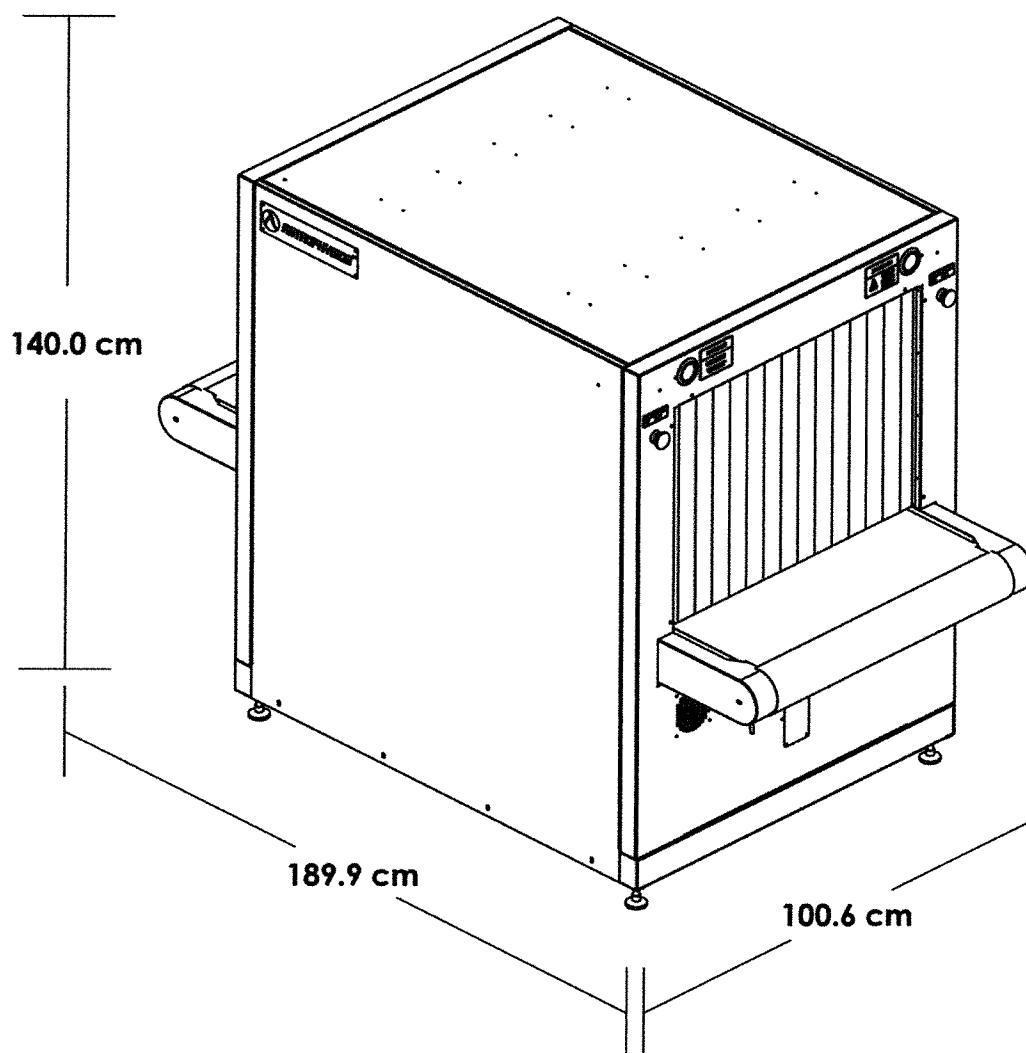
**Imaging Technology**

**Health and Safety**

**Optional Software / Accessories**



**ASTROPHYSICS™**



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## Physical Specifications

### PHYSICAL DIMENSIONS

- L x W x H: 189.9 cm x 100.6 cm x 140.0 cm  
74.8" x 39.6" x 55.1"
- Tunnel Opening (W x H): 77.8 cm x 58.0 cm  
25.6" x 17.7"
- Max Object Size (W x H): 77.3 cm x 57.5 cm  
30.4" x 22.6"



- Shipping (L x W x H): 221.0 cm x 116.2 cm x 182.8 cm  
87.0" x 46.0" x 72.0"
- Net Weight: 565 kg (1250 lbs)
- Shipping Weight: 750 kg (1655 lbs)

#### CONVEYOR SYSTEM

- Speed: 23 cm/s (45 ft/min) in either (forward or reverse) direction
- Conveyor Type: Seamless low maintenance belt
- Load Capacity: 165 kg (364 lbs) evenly distributed load
- Conveyor Height: 69.1 cm (27.2") from floor

#### ENVIRONMENTAL CONDITIONS

- Operating Temperature: 0°C (32°F) TO 40° C (104°F)
- Storage Temperature : -20°C (-4 °F) TO +60°C (140°F)
- Humidity : 0 TO 95% (non-condensing)

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### Electrical Specifications

#### POWER REQUIREMENTS

- Power Requirements for 110VAC  $\pm$  10%, 60 HZ input, 15 Amp Max. Optional voltage regulators are available.
- Power Requirements for 220VAC  $\pm$  10%, 50 HZ 10 Amp Max. Optional voltage regulators are available.

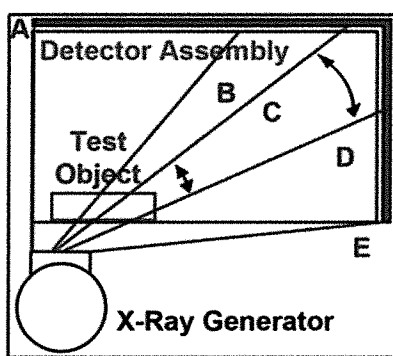
#### X-RAY GENERATOR

- Single x-ray generators are rated at 180 kV, operating at 165 kV.
- Single x-ray tube operates at 1.2 mA.
- The x-ray generators are rated for 100% duty cycle operation.
- The x-ray beam direction is diagonally upward.
- The x-ray tube use a sealed di-electric oil bath with forced air for cooling.
- An x-ray controller protects each of the x-ray generators from abnormal over-voltage and over-current operation.

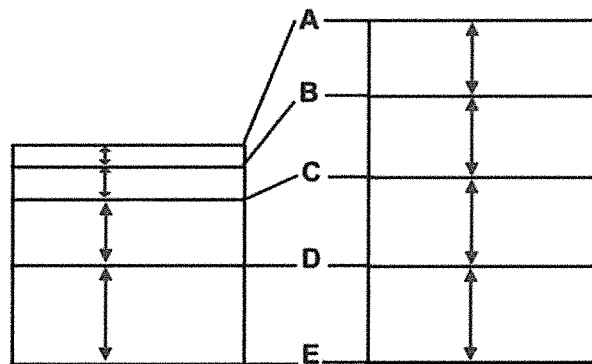
#### DETECTION SYSTEM



- System utilizes a multi-energy (i.e. dual energy) stacked array x-ray detector assembly with total of 1664 high energy and low energy x-ray detectors.
- The XIS measures and compares the transmission of *High Energy* (high frequency) and *Low Energy* (low frequency) x-rays through items that are being imaged. From this comparison, the XIS is able to determine approximate material composition.
- Detector assembly is *L-Shaped*. If left unchecked, the displayed image would present a skewed object image due to the size of the object and the variable distance from the X-ray source. As the diagram below shows, the closer the object is to the X-ray source, the more compressed the image becomes.



Detector Assembly (Not to Scale)

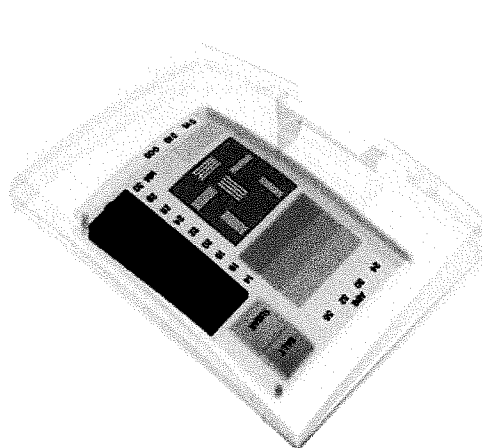


Geometric Distortion

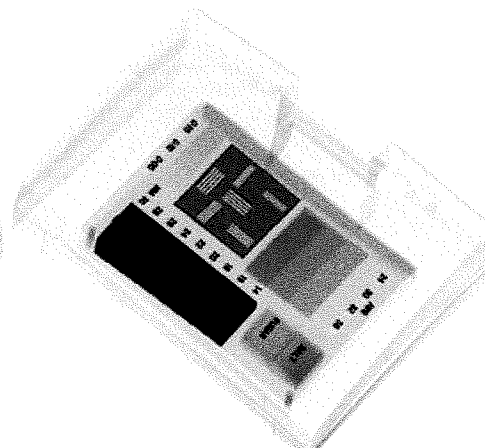
Geometric Distortion  
with Correction

Scanned Image

- The PC in the XIS automatically performs geometric correction to prevent the image from appearing skewed. As seen below, the image on the left without the geometric correction is distorted, while the image on the right shows the test case with the proper aspect ratio.



No Geometric Correction



Automatic Geometric Correction

- X-ray detector assembly uses scintillating crystals and high-gain electronic amplifiers.



- The X-ray detector scans and displays the entire image without any corner cutoffs.

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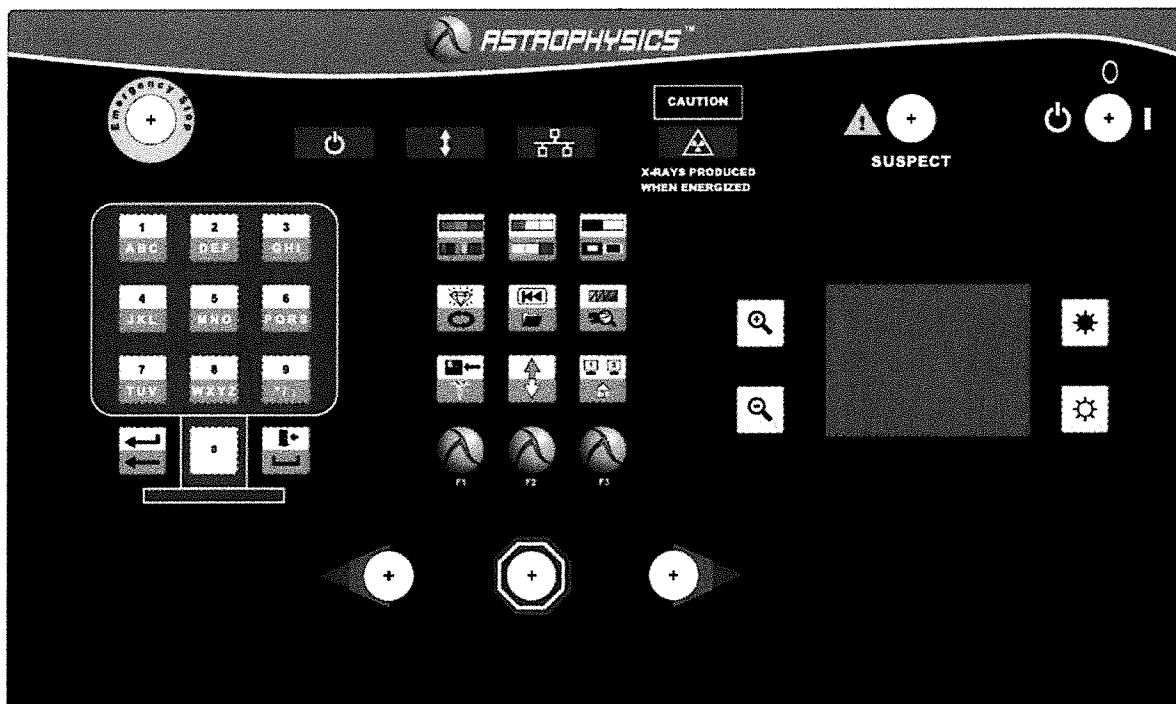
## Interface Specifications

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### ONBOARD PC

- Processor: Intel® Core i5
- Memory: 4 GB RAM
- Storage: 1 TB HDD, 120 GB SSD
- Video Card: 1 GB Video Card, Dual Digital Display
- Platform: Windows® OS
- Uninterruptible Power Supply (UPS) to maintain power to PC and key electrical systems in case of power outage. Once power is restored, the operator can resume operation immediately.

### ADVANCED OPERATOR CONTROL PANEL







- Ergonomic, icon-based design equipped with touch pad mouse and multiple buttons dedicated to different image manipulation options.
- Key switch to enable operation of control panel.
- Lights displaying the status of the machine and a speaker which can be used for audible alarms.

#### MONITORS

- Dual 19" LCD color monitors with image resolution of 1600 x 1200 pixels.
- Monitor One displays color imaging, enhanced organic material separation imaging and enhanced inorganic material separation imaging.
- Monitor Two displays B&W (black on white) imaging, reverse B&W (white on black) imaging and pseudo color.

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### Imaging Technology

#### PERFORMANCE CHARACTERISTICS

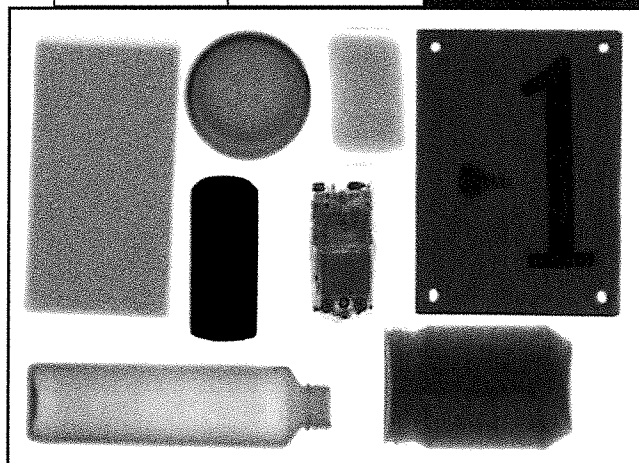
- Wire Resolution: 40 AWG typical / 38 AWG standard
- Steel Penetration: 39 mm typical / 37 mm standard
- Spatial Resolution: 1.0 mm horizontal / 1.0 mm vertical
- Film Safety: Guaranteed up to ISO 1600 (33DIN)
- Organic/Inorganic Material Discrimination: The system is capable of discriminating between organic and inorganic materials as measured by the ASTM F792-08 Test Piece - Test #5 & #7.
- Organic Differentiation: The system is capable of classifying organic material masked by 0.48 mm of steel as measured by the ASTM F792-08 Test Piece - Test #9.

#### IMAGE MANIPULATION OPTIONS

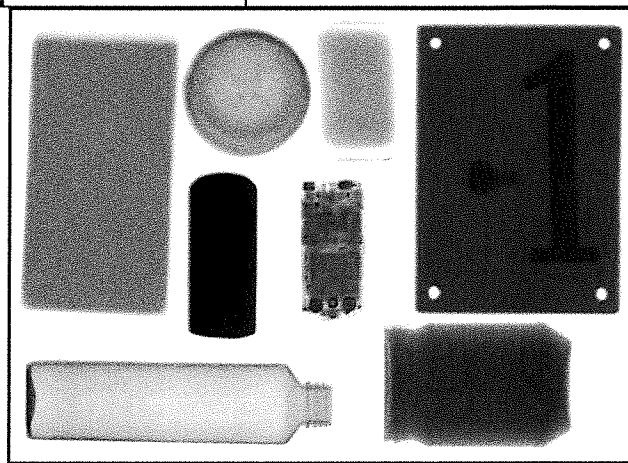
- 6 Color Atomic Display: The default display option utilizes atomic number analysis and assigns colors based on their respective densities.

Z-Number	Material Type	3-Color	6-Color	Examples	Possible Threats
0-8	Organic	Orange	Brown	Wood, Oil	C-4, TNT, Semtex
8-10	Low Inorganic	Orange	Orange	Paper, Alcohol	Cocaine, Heroin
10-12	High Inorganic	Green	Yellow	Glass	Propellants

12-17	Light Metals	Green	Green	Aluminum, Silicon	Gunpowder, Trigger Devices
17-29	Heavy Metals	Blue	Blue	Iron, Steel	Guns, Bullets, Knives
29+	Dense Metals	Blue	Violet	Gold, Silver	High-Value Contraband
-	Impenetrable	Black	Black	Lead	Shielding for Above Threats



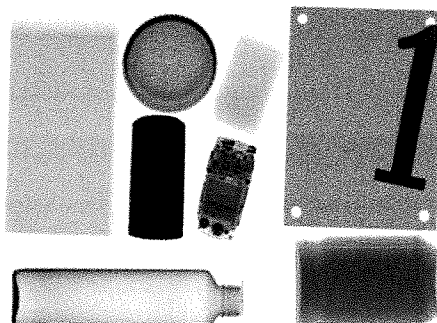
**3 Color Software**



**6 Color Software**

**From left to right, top to bottom:**

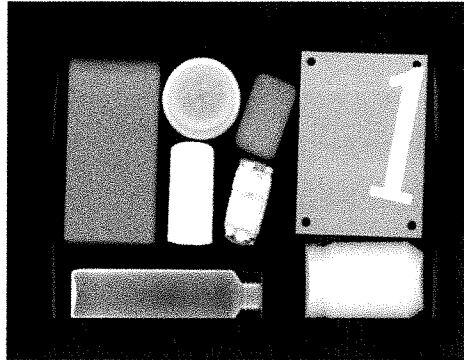
Stack of paper, ashtray, bar of soap, sheet of metal, set of keys #1 sign (silver), lead curtain, cell phone, glass bottle and peanut butter.



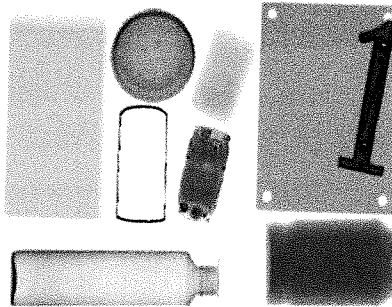
- **Black and White:** This option provides a standard grey scale display of the image.



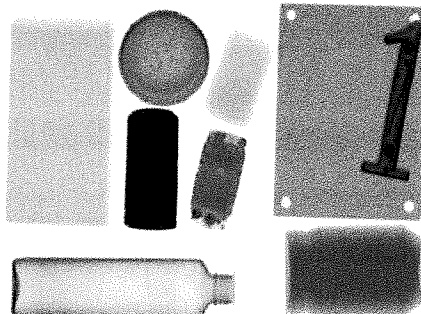
**ASTROPHYSICS™**



- Reverse Black and White: This option provides a reverse grey scale display of the image.



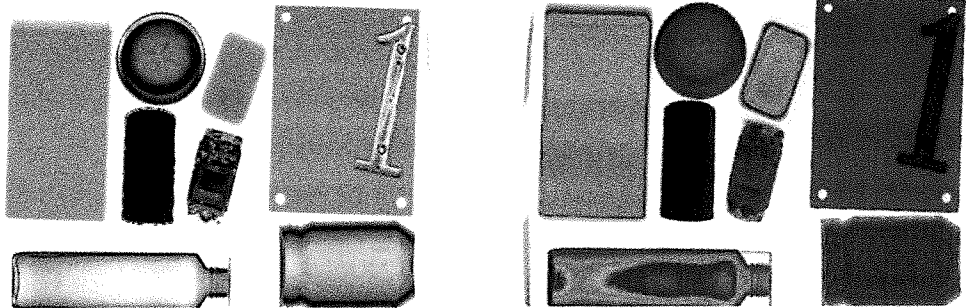
- Organic Emphasis: This option emphasizes the organic portions of the image by highlighting the organic areas in orange and displaying the rest of the image in grey.



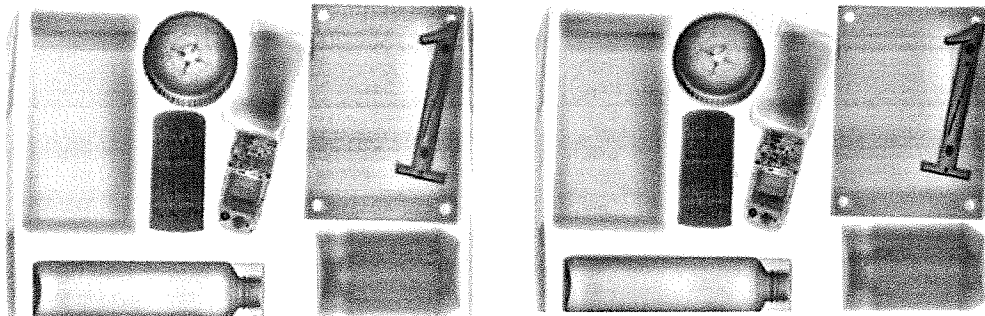
- Inorganic Emphasis: This option emphasizes the inorganic portions of the image by highlighting all of the inorganic areas in blue and displaying the rest of the image in grey.



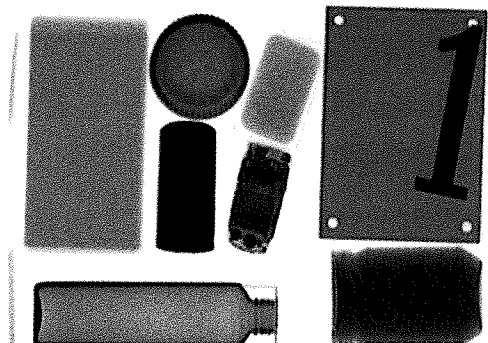
**ASTROPHYSICS™**



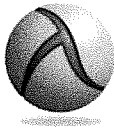
- **Pseudo Color:** This option applies multiple color palettes to produce unique images. The operator may scroll through available color options using the contrast button on the control panel.



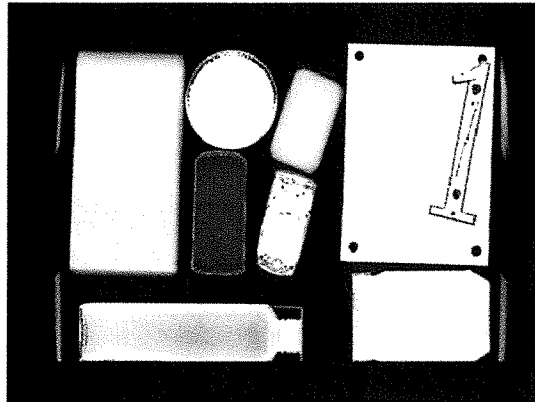
- **Picture Perfect:** This option automatically analyzes and normalizes an image so all areas of the scanned image are visible to the operator. When picture perfect is activated, an image containing multiple, layered objects becomes clear for identification. This feature can be utilized in both color and black and white mode.



- **Edge Enhancement:** This option instantly enhances the outline and shape of each individual item in the screened image so operators have an easier time assessing threats.



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- **Hi-Penetration:** This option instantly increases the penetration level to maximum for immediate clarification of dense objects.
- **Contrast:** Operators can adjust the contrast (lighten or darken) for improved image assessment.
- **Real Time Image Manipulation:** All image manipulation occurs in real time. Operators have access to all function tools with an immediate software response.
- **Zoom:** Astrophysics software features both Continuous Zoom and 9 Quadrant Zoom. With Continuous Zoom, operators can zoom in up to 64X. In contrast, 9 Quadrant Zoom divides the screen into 9 sections, where each number on the AOCF keypad corresponds to the location of the quadrant. This function permits operators to quickly zoom in on individual areas of the screen for fast threat identification.

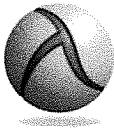
## ADDITIONAL FUNCTIONS

- **Atomic Number Selection:** When operators select Atomic Number and use the touchpad mouse to drag select an area on a scanned image, the XIS System will display the atomic number for that region. This option permits operators to accurately identify material groups and assess threat objects. The Atomic Number displayed will be accurate to within 0.2 counts.
- **Automatic Centering:** The XIS System automatically centers all images scanned regardless of their location during the screening process. The centering function ensures that there are no corner cutoffs or image clipping.
- **Automatic Image Archive:** The XIS System automatically archives the last 150,000 images scanned. When the capacity is reached, the system will start deleting the oldest images to allow storage for the newest images. Additionally, the software will always ensure an available storage space of 10 GB upon startup.



## XIS Interface Task Bar

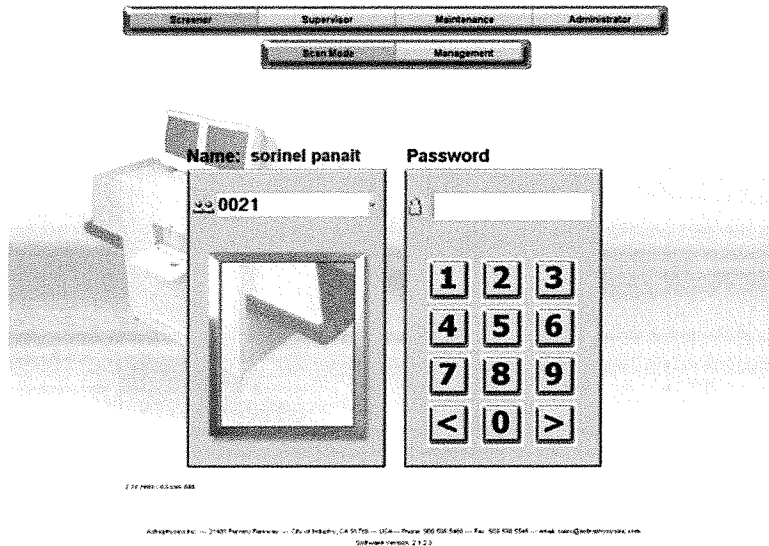
- **Baggage Counter:** The XIS Interface Task Bar includes a baggage counter.



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- **Continuous Scanning:** This option allows operators to bypass the photo-sensors located at the ends of the tunnel and enable the x-ray generator to be excited as soon as the conveyor belt starts moving. This function allows operators to scan low density organics or very long objects without image distortion and cutoff.
- **Date/Time Display:** The XIS interface screen features a date / time display.
- **Image Annotation:** This option allows operators to draw a frame around a suspect area of a scanned image and enter three alphanumeric letters for reference. Operators can then save the image for later review, or transmit the image to a Secondary Review Station.
- **Image Processing:** The XIS System performs continuous automatic image optimization (adjusting for contrast and gamma), as well as image enhancements (geometric distortion correction) to produce an accurate and sharp image. The XIS System utilizes 24-bit real time image processing to accomplish this.
- **Image Review:** The XIS System permits operators to review the last 100 images scanned in the XIS System by selecting a scanned image and using the AOCB buttons to move forward or backward.

## Please Log In



### XIS System Login Screen

- **Multi-Tiered Security:** The XIS System interface features a Login for operators and Administrators with unique programmable passwords to facilitate different levels of accessibility.
- **Operating Mode Display:** The XIS Scanning Screen displays a task bar indicating the image manipulation mode the operator is currently in.
- **Print:** The XIS System features a print function that allows operators to print the current image at the push of a button. The XIS System does not include a printer, but is compatible with most printers via USB connection. Customers may also request a specific printer for their XIS System.



- **Save Image (RGB):** Operators can manually save multiple images to a different folder on the XIS System. This permits operators to select which images for later review on a separate PC.

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## Health and Safety

### APPLICABLE HEALTH AND SAFETY REGULATIONS

- USA FDA for cabinet X-ray Systems (Federal Standard 21-CFR 1020.40)
- Health and Safety at Work Act 1974 - Section 6, amended by the Consumer Protection Act 1987
- U.S. Federal Aviation Administration Standards "Use of X-Ray Systems" (Federal Standards 14 CFR 108.17 and 14 CFR 129.26)

### SAFETY FEATURES

- All XIS Systems are protected by a minimum of 2 layers of lead curtains on both the entry and exit portions of the inspection tunnel. The lead curtains prevent radiation from escaping the X-Ray tunnel.
- External radiation leakage of less than 0.1mR/Hr (1 $\mu$ sv/hr) as measured at 5cm from the outer panels.
- In the case of an electrical overload, the system circuit breaker automatically disconnects power from the main AC input.
- Interlock switches are located on exterior system access panels. When any of these exterior access panels are opened or removed, the interlock switches automatically disable the X-ray generator and conveyor belt.
- *Power-ON* and *X-ray ON* indicator lights are located at both ends of the x-ray inspection tunnel and on the Operator Control Panel.
- Four "Emergency Stop" buttons are placed on each side of the X-Ray machine, and one additional "Emergency Stop" button is located on the Operator Control Panel.
- Prominent labels warn users to not insert any part of their body when the x-rays are produced.

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## Optional Software / Hardware

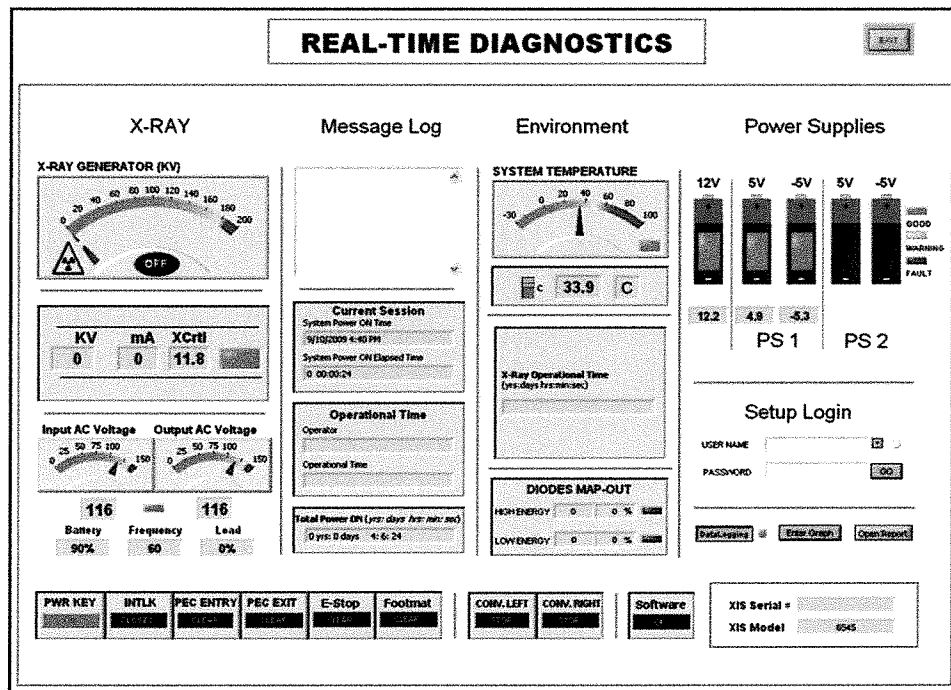
### SOFTWARE

- **Operator Training Program (OTP):** Operator Training Program significantly enhances the detection skills and XIS knowledge of operators. The XIS System includes a complimentary operator training program with a small pre-scanned image library containing various normal and threat images. In addition, a full suite library of images is available as an optional upgrade. This software can be activated on the XIS system or any standard laptop or PC for optimum training flexibility. Operator Training Program is interactive, self-paced instruction that covers x-ray screening fundamentals, a step-by-step walkthrough of Astrophysics software and advanced features, as well as detailed training reports and records management.



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- **Localized Language Support:** Astrophysics offers multiple languages that can be set as the default operator interface language. These include Arabic, Chinese, English, French, Italian, Japanese and Spanish; additional languages may be available upon request.
- **Threat Image Projection Software (TIP):** TIP is a valuable detection tool for operators and administrators. The software has a large library with a range of threat objects and operates by periodically inserting a threat object into a scanned image. When a threat object is detected, operators push the "Suspect" button on the AOCP to signify they recognize the threat. If the operator fails to identify a threat, the system will pause and the threat object will flash on the screen to notify the operator of the missed threat. TIP exposes operators to various threat objects and further practice in threat identification. Moreover, TIP enables administrators to evaluate the threat detection capabilities of operators and ensure they are screening effectively. The TIP software may be enabled or disabled as desired from the administrator menu so as not to disrupt the standard screening process.



**Real Time Continuous Diagnostics Display**

- The XIS System is equipped with a self diagnostic system and display which permits operators to view the following information:
  - Internal Power Supplies
  - Environmental Temperature
  - AC Voltage
  - X-Ray Generator Power
  - Power Key
  - Interlock Switch
  - Emergency Buttons
  - System Power On / Elapsed Time
  - Operator Time





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- Total Power On Time
- Diode Map Out
- Additionally, the Real-Time Diagnostics Display also features a message log so the system can notify the operator of any faults.
- INTERNET CALL CENTER (ICC) Astrophysics is the only company in the industry to offer such a comprehensive and efficient approach to customer service. The ICC features direct video conferencing, remote system connectivity, and facilitates fast service support and expedited parts ordering. The development of the ICC demonstrates Astrophysics' ongoing commitment to improve our response time and quality of our customer service.

## Screener Assist (SA)

Astrophysics Inc designs and manufactures security X-ray Inspection Systems used in airports, courthouses, schools, border crossings and other locations where security threats and illicit objects need to be detected.

The detection technology is sophisticated and performs extremely well in meeting clients' security needs. To complement this technology and meet even more of the requirements of clients and front-line X-ray screeners, Astrophysics Inc has developed a remarkable software package called Screener Assist.

X-ray screeners have the challenging task of spotting potential threat objects in crowded bags and containers in a relatively small amount of time. Screener Assist uses sophisticated algorithms and multi-dimensional filters to spot and clearly highlight those potential threats on the screeners' monitors.

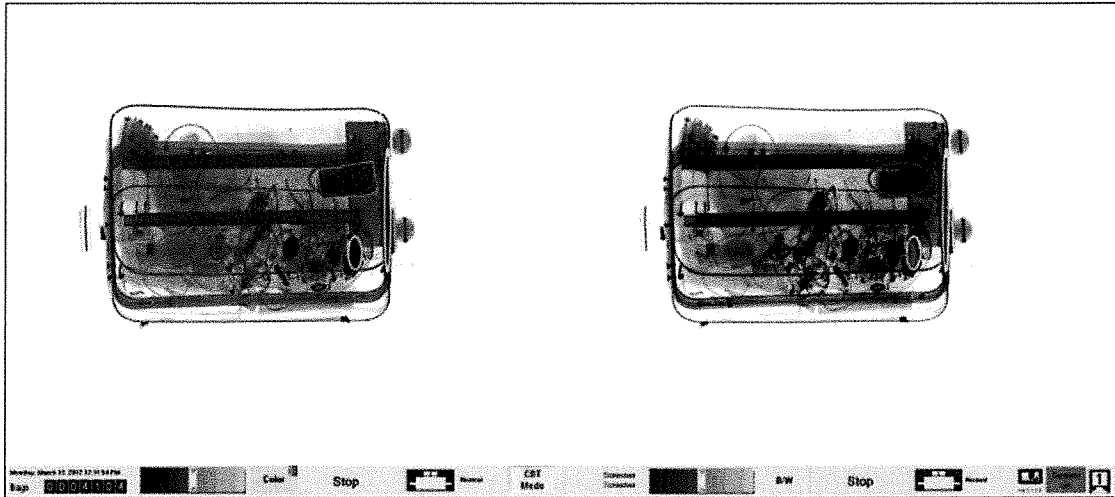
Screener Assist draws **RED** ellipses around areas that possess Z-number (atomic number) and mass density characteristics similar to those of common explosives. **YELLOW** ellipses are drawn around dense areas of low x-ray penetration. **PURPLE** ellipses are drawn around bottles (placed on clear trays for scanning) containing flammable liquids.

Screener Assist is hard-coded into the X-ray machine's software and therefore requires no user adjustment.

The figure below shows examples of these ellipses, drawn around suspect items in a scanned bag as shown on a dual-monitor system, color on the left, black and white on the right.



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In addition to explosives, Screener Assist can detect and highlight narcotic and certain types of potentially dangerous liquids (such as lighter fluid or gasoline).

Screener Assist also works on dual-view systems, giving the screener a second view of the bag and its contents, and highlighting potential threats in both views. It's like getting a second opinion – instantly.

Screener Assist is a valuable tool in detecting threats in screened items. The software enhances a screener's judgment, skill and vigilance, helping the screener be more effective in protecting the public.

## HARDWARE

- **Constant Voltage Stabilizer:** The constant voltage stabilizer is an external device that serves as a buffer between the localized power source and the XIS System. The stabilizer protects the XIS System by compensating for unpredictable energy spikes and abrupt drops in power.
- **Custom Paint:** Customers may specify a particular paint scheme or additional artwork to fit in with the aesthetic of system placement.
- **Extended Roller Beds/conveyor:** The XIS System may be supplemented with extended roller beds for longer clearance and larger objects. Conveyor may be motorized.
- **Footmat:** A footmat is an additional safety interlock system to ensure that the operator is present at the designated location during XIS system operation. Unless the operator places his or her foot on the mat, the system will not operate.
- **Polar Kit:** The Polar Kit add-on mounts a heating pad on the generator in order to keep the XIS System within the optimal operational temperature in areas of extreme cold.
- **Radiation Meter:** Customers may choose from multiple radiation meters to perform on-site checks for possible radiation leakage as an additional safety measure.
- **System Drape:** The system drape is an additional cover for the XIS System when the unit is not utilized. The cover protects the system from potentially damaging environmental factors and physical damage.



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- **Test Kit:** Customers may choose from multiple test pieces, including an ASTM case, to perform on-site checks for consistency and reliability of units after repeated scans. The test kits serve as a baseline for which the performance of multiple units may be evaluated.
- **Tropical Kit:** The Tropical Kit add-on desiccants within the XIS System so the unit remains unaffected in areas with high precipitation and humidity.
- **Workstations:** Astrophysics offers a variety of workstations, including the Remote Operator Station, Remote Workstation, Secondary Review Workstation and Supervisor Workstation. Remote Stations can be added to any Astrophysics System for added screening security and efficiency. For more information about workstations, please contact your Astrophysics Sales Representative.



# **ASTROPHYSICS™**

## **Service Agreement Terms and Conditions - U.S. Systems Only**

This agreement, effective as of the start date below, is made between "Customer", and Astrophysics Inc., "Astrophysics". Customer shall include Customer's corporate parent, subsidiaries and affiliates that are majority owned by Customer, or its parent, or under voting control of such entities and/or related companies. This Contract does not cover service for the replacement of parts damaged by normal wear and tear such as the conveyor belt or the leaded curtains. Astrophysics and Customer agree to the following terms:

### **LABOR, PARTS AND ACCESSIBILITY**

Astrophysics will provide, as per the terms outlined below, the service calls and labor required to repair and maintain the XIS in normal working order as necessitated by normal usage. Service will be provided under the condition that the XIS has been installed and operated in accordance to Astrophysics' instructions and is made readily accessible for service. We will repair those functional parts which cause the XIS to fail in achieving the published performance criteria. Astrophysics reserves the right to use refurbished parts for replacement. The warranty on all replaced parts shall be the greater of thirty (30) days or the balance of the service agreement as outlined below.

### **PARTS RETURN POLICY**

It is the responsibility of the Customer to return, at their expense, all defective or unused parts to Astrophysics within thirty (30) days of either receiving the part or the completion of the service call. Parts should be shipped to the following address:

Astrophysics Inc.  
Attn: Service Department  
21481 Ferrero Parkway  
City of Industry, CA 91789

Failure to do so will result in the Customer being invoiced for the parts at the price established by Astrophysics. A HOLD may be placed on the account of the Customer resulting in discontinuance of service to ALL machines owned by the Customer until said invoice is paid.

### **ABUSE AND MISUSE**

Defects or damage made necessary by improper operation, rust, corrosion, fire, theft, Acts of Nature, negligence, misuse, abuse, alteration, unauthorized repairs, power failure or shortage are excluded from coverage. At the discretion of Astrophysics, service for such damage may be performed for a fee.

### **UNAUTHORIZED SERVICE OR MODIFICATION**

Defects or damage resulting from service, testing, adjustment, installation, maintenance, alteration, or modification in any way by someone other than Astrophysics Inc., its authorized service agents, or without written authorization and direction from an Astrophysics Inc. service engineer, are excluded from coverage. At the discretion of Astrophysics, service for such damage may be performed for a fee.

### **USE OF THIRD PARTY PRODUCTS**

Defects or damage that result from the use of non-Astrophysics Inc. branded or certified product, accessories, software or other peripheral equipment are excluded from coverage. At the discretion of Astrophysics, service for such damage may be performed for a fee.

### **LIMITATIONS**

This Contract includes one preventive maintenance trip per year for the duration of this Contract. Preventive maintenance includes a radiation survey.

### **LIMITATIONS OF LIABILITY**

In no event shall Astrophysics Inc. be liable, whether in contract or torts for the damages in excess of the purchase price of the product, accessory or software or for any indirect, incidental, special or consequential damages of any kind, or loss of revenue or profits, loss of business, loss of information or data software or applications or other financial loss arising out of or in connection with the ability or inability to use the product, accessories or software to the full extent these damages may be disclaimed by law.

### **MISCELLANEOUS**

If the serial plate attached to the XIS subject to this Contract is removed, defaced, or in any way made illegible, this Contract shall be null and void, and Astrophysics shall have no obligation or responsibility hereunder. The Contract may not be transferred to any other persons, unless written notice of such transfer is provided to, and approved by, Astrophysics Inc. Furthermore, this Service Agreement may become null and void if the XIS is moved from its original location or if it is restarted after a period of in-operation lasting longer than two (2) weeks without prior notification of Astrophysics. Similarly, if the XIS is exposed to environments below 5°C (41°F) Astrophysics must be notified prior to the unit being restarted. Failure to do so may void this Service Agreement in its entirety.

### **SERVICE TERMS**

- Full coverage of all parts and labor Excluding the leaded curtains and conveyor belt.
- 72 HR Response time (ON Site visit)
- One (1) on-site preventive maintenance visit to include a full radiation survey.
- Technical phone support Monday – Friday from 7:00am to 7:30pm (PST) with a one (1) hour phone response time from moment of initial contact.
  - Customer assistance may be required during diagnostics by phone. Phone access to an operator at the site of the unit will speed up the diagnostics.
  - Customers should provide unit serial number and contact name and number at the time of a service call.
- On-site technical support within one (1) business day from a complete phone diagnostic.
  - All reasonable attempts will be made to reach the site within the time specified above. If the technician is unable to arrive on-site within such time the Customer will be notified at least 24 hours prior to scheduled arrival.
  - Nuisance charges may apply if the unit is deemed to be in working condition or to have failed due to abuse, misuse or normal wear and tear.

# HI-PE Plus

## ENHANCED WALK-THROUGH MULTI-ZONE METAL DETECTOR



### Applications

- ✓ Government Buildings
- ✓ Industries [Security]
- ✓ Nuclear Facilities [Security]
- ✓ Prisons [visitors]
- ✓ Public Events
- ✓ Amusement Parks
- ✓ Courts
- ✓ Cruise ships
- ✓ Data Processing Centers [EDP]
- ✓ Hotels
- ✓ Schools Security

- Accurate Detection of magnetic, non-magnetic and mixed-alloy metal weapons
- High Discrimination and Throughput
- Compliant with the Strictest Security Standards for weapons detection
- Exceptional Immunity to external interferences
- Unmatched Reliability
- Rapid Installation



[www.ceia-usa.com](http://www.ceia-usa.com)

***Threat Detection through Electromagnetics***

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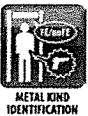
## CEIA HI-PE Plus Enhanced Multi-Zone Metal Detector

CEIA is proud to present the new HI-PE Plus Multi-Zone Metal Detector, a development of the well-established HI-PE model. Accurate detection of all metals, high level of discrimination, full compliance with the latest Security Standards and exceptional immunity to external interferences are among the main peculiarities of this new device.

### Features



- Capability to detect the full range of metal weapon threats even within body cavities

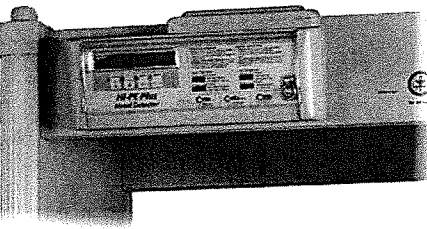


- Met-Identity technology for Identification of Threat Composition

The most advanced Security Standards require detection of all ferrous and non-ferrous metal weapons and of those constructed in special non-magnetic alloys. The HI-PE Plus detects firearms and knives of this type, even when they are hidden within body cavities, and accurately indicate the position of the threat, its intensity and its prevalent composition. Inspection personnel thereby acquire thorough knowledge of the metal item and can act, according to procedures, with maximum effectiveness and security.



- 60 pinpointing zones with high resolution & precision:  
☒ 20 Vertical    ☒ 3 Lateral



#### MET-IDENTITY TECHNOLOGY

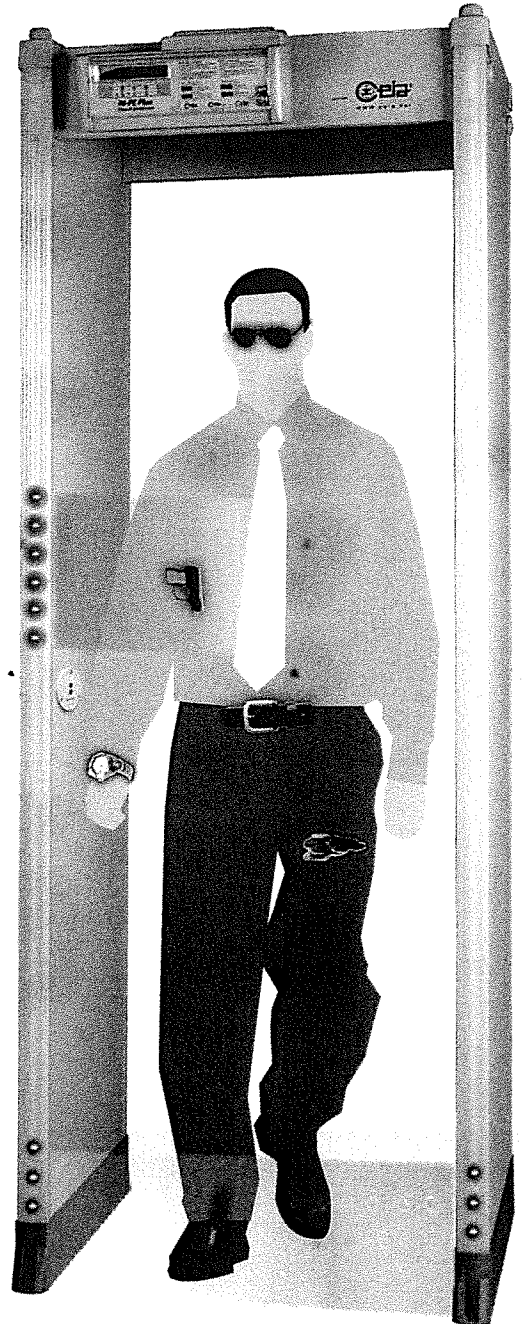
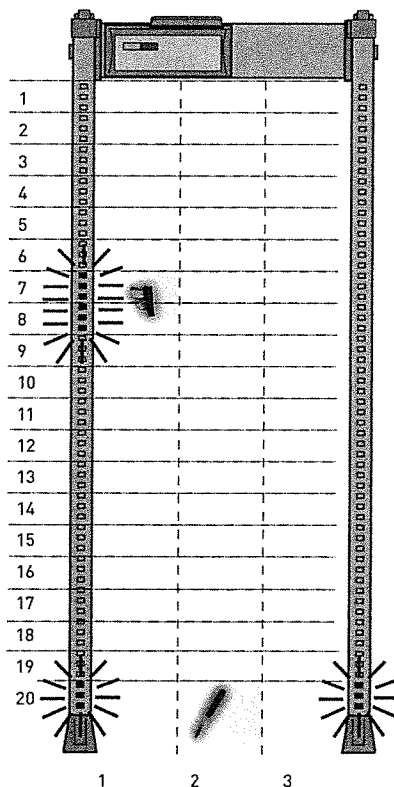
With Met-Identity technology, the HI-PE Plus allows you to know where, how much and what type of metal is being brought into the secure area.




➤ FERROUS METAL



➤ NON FERROUS METAL



 **60 ZONES!**

Locate the exact position of the threat item.

## Benefits



- Cutting-edge discrimination technology allows personal effects to be ignored, creating rapid transit flow

The transit volume magnetic scanning system, invented by CEIA and applied since production of the first zonal Metal Detectors in 1986, allows state-of-the-art detection and discrimination results.

The HI-PE Plus has an extremely low nuisance alarm rate even at the strictest Security Levels requested today, and therefore allows high transit flow rates and the minimum need for intervention by inspection personnel.

### ALARM



### NO ALARM



## Advanced Alarm Indication



- 4 Multi-Zone Display Bars, each programmable as entry Stop/Go indication and/or local alarm indication
- High visibility of the control unit and the zone indication independent from the operator position and the installation environment

Accurate signaling is essential for best operation and flow management. The HI-PE Plus provides the user with fully-programmable signaling. Both entry-points can indicate with a high level of accuracy, even simultaneously, the vertical and lateral areas of transit of the threats detected, and can also be configured as 'traffic lights' to control transits through the detector.



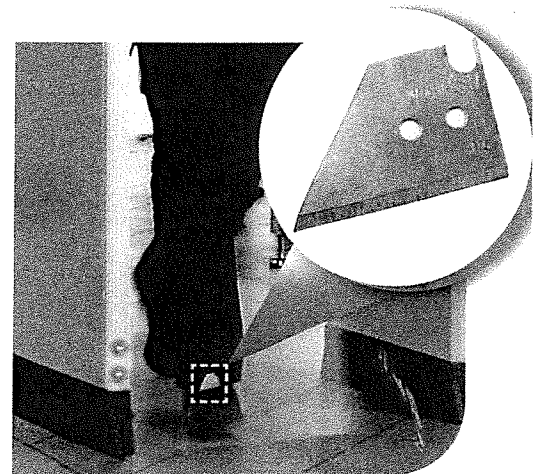
- Flexible Acoustic Alarm Signaling System:
  - ✓ 10 Continuous and Pulsed Tones
  - ✓ 34 Special Sounds
- 10 Acoustic Intensity Levels

A complete acoustic alarm system allows personalization of the alarm tones and intensities, with a wide choice of continuous, pulsed and special tones at different levels of intensity. The wide volume control dynamic allows operation even in very noisy environments.

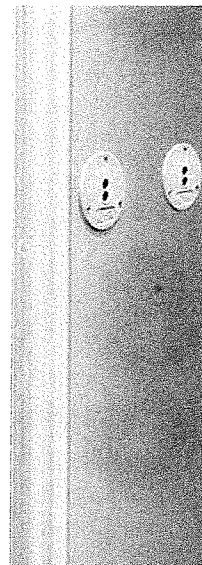


- High Precision Transit Counter:
  - ✓ In-Bound Transits
  - ✓ Out-Bound Transits
  - ✓ Alarm Rate
  - ✓ Automatic Compensation for repeated transits of the same person

The Metal Detector provides an automatic count of the people passing through the access point in both directions and the related nuisance alarm percentage.



- ✓ **4 MULTI-ZONE DISPLAY BARS**  
*Light bars indicate metal position vertically and laterally and can also show pacing lights.*



- ✓ **HIGH PRECISION TRANSIT COUNTER**  
*Two photocells fitted into the archway allow counting of transits, alarms and percentage of alarms.*



# CEIA HI-PE Plus Enhanced Multi-Zone Metal Detector

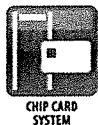
## Comprehensive Security Features



### Over 40 built-in Security Programs

- ✓ Up to 22 International Standards
- ✓ Up to 20 Customizable Levels

Setting the Security Levels could not be easier and more versatile than in the HI-PE Plus. Users can choose directly from the known International Standards or request implementation of a Standard personalized to their own requirements. Users can also create their own work program and save it in internal memory provided for the purpose.



### Chip Card system for fast, simple and secure parameter changes [i.e. alarm volume and tone, counter reading, etc...] and security level selection

One unique characteristic of the CEIA Metal Detectors is the chip-card system, which allows the Head of Security to set the Security Level quickly, reliably and without having to program the device in any way.



### CHIP CARD SYSTEM

*Chip Card for automatic selection of Security Levels and parameter changes.*



### Any security standard can be enhanced with selectable random alarm probability

## Rapid Installation



### One touch guided automatic installation [OTS]

Innovative function assisting the installation through an automatic step-by-step procedure



### Continuous self diagnostics assures monitored performance reliability

## Communication Capabilities



### TYPE OF OPERATION

	Ethernet	USB	Infrared	Bluetooth	RS-232
Maintenance	○	○		■	■
Remote Control	○		■	■	■
Remote Data collection	○				

■ STANDARD ○ OPTION

✓ *Exceptional immunity to environmental interferences makes the Metal Detector easy to use even when electrical noise is encountered.*

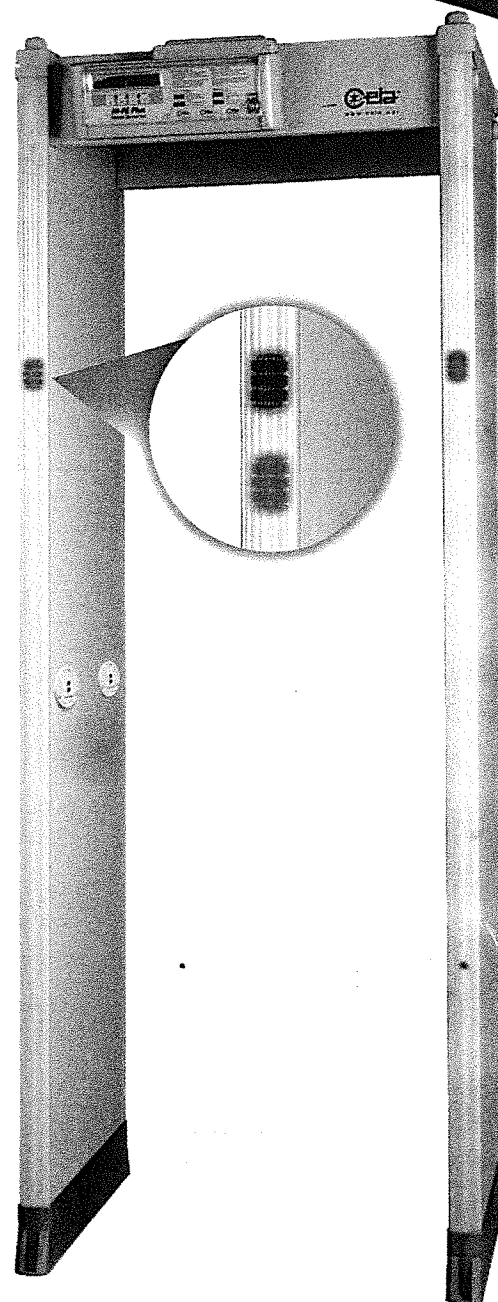
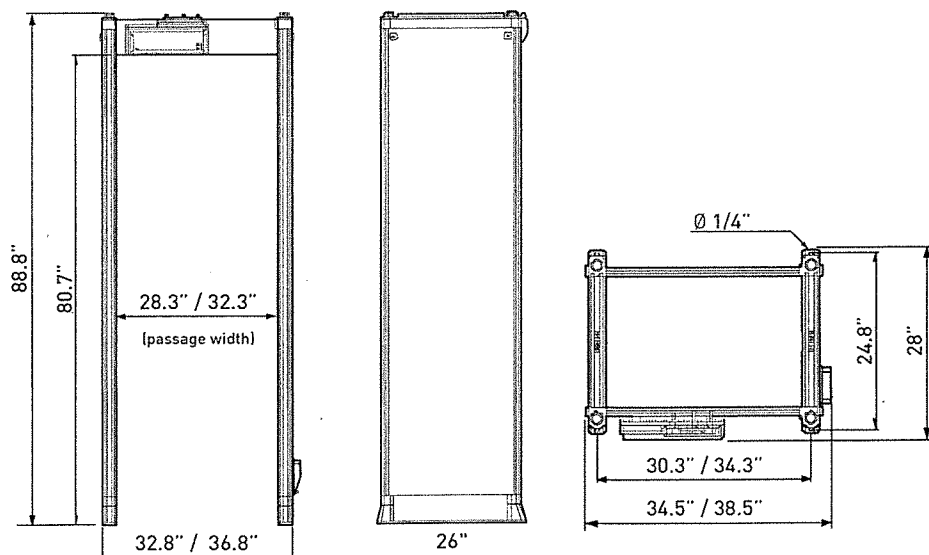


## Model Configuration

Features	HI-PE/PZ Plus
4 display bars individually programmable as zone indicators and/or pacing lights	●
60 localization zones with left, center and right indication	●
Met-Identity technology	●
Powered by safe low voltage DC	●
Chip Card Reader	●
One Touch Automatic Self Installation (OTS)	●
Bluetooth, infrared and RS-232 communication	●
Password and hardware key access protection	●
Anti-tamper on/off switch	●
High precision transit counter	○
Programmable Random Alarm capability*	○
Weather resistant protection	○
Anti-vandalism, anti-tampering protection	○
IP65 protection (includes weather resistant and anti-vandalism options)	○
Integrated web-server & logger (includes Ethernet and USB interface)	○
Long life crossbar battery back-up	○
Embedded battery back-up	○
32.3" useful passage width	○

■ STANDARD ○ OPTION \*Transit Counter required

## Dimensions



✓ *Easier flow control through pacing lights.*

### UNDER THE ALARM THRESHOLD

Small metal mass  
 Medium metal mass

### OVER THE ALARM THRESHOLD

Medium metal mass  
 Large metal mass

✓ *Green and Red Metering Signals Proportional to the Metal Mass Detected*

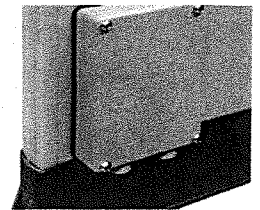
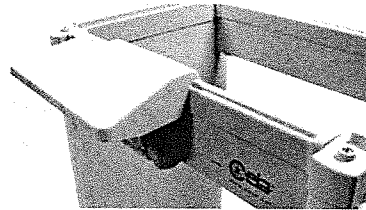
# CEIA HI-PE Plus Enhanced Multi-Zone Metal Detector

## Options / Upgrade Kits

### ➤ Weather Resistant Protection

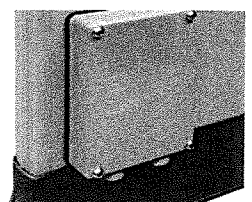
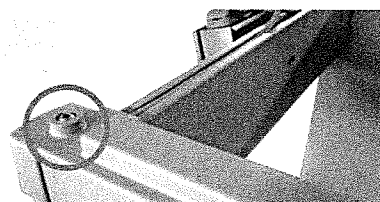
Kit for upgrading the standard version to outdoor applications according to IEC 60950-22; this kit includes shelters, crossbars, protection covers for power supply and waterproof mains power supply adapter.

- 28.3" passage width (part # 55630)
- 32.3" passage width (part # 55633)



### ➤ Anti-vandalism, Anti-tampering Protection

This option includes stainless steel control unit, waterproof mains power supply adapter, protection covers for power supply and antenna connection compartments, equipped with screws requiring tools for removal. Part # 55629



### ➤ IP65 Protection

This option includes the Weather Resistant and Anti-vandalism kits.

- 28.3" passage width (part # 55631);
- 32.3" passage width (part # 55632)

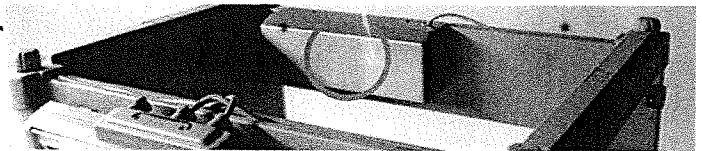
### ➤ 32.3" Useful Passage Width

Part # 55635

### ➤ Long life crossbar battery back-up

Crossbar battery back-up in stainless steel case. Provides up to 8 hours of autonomous working time.

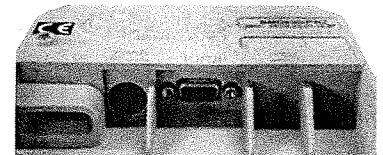
Part # 55681



### ➤ Embedded Battery Charger and Under-voltage Protection

Anti-tamper on/off switch, RS-232 interface, battery charger with 12 hours mains disconnection diagnostic alarm.

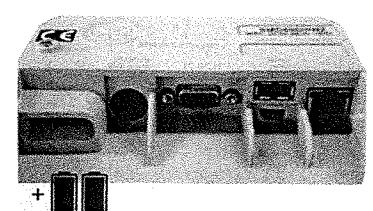
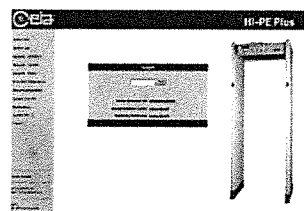
Part # APSM2Plus/P



### ➤ Integrated Web-server & Logger, Battery Back-up and Charger

Anti-tamper on/off switch, RS-232, USB, 10/100 baseT Ethernet interface, data logger, real-time clock, integrated web-server, transit statistical data analysis, 20' internal battery back-up with 12 hours mains disconnection diagnostic alarm.

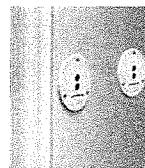
Part # APSIM2Plus/P



### ➤ High Precision Transit Counter

Two photocells fitted into the archway allow counting of transits, alarms and percentage of alarms.

Part # 32716



## Accessories

### ➤ Chip Cards

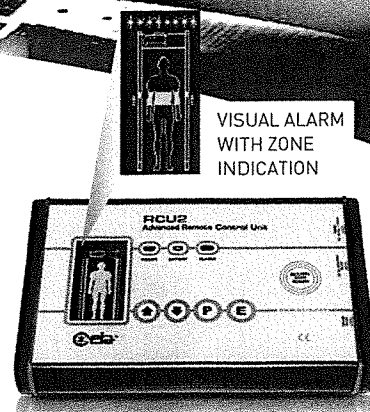
Chip cards for simple and secure selection of Security Levels and parameter setting. List of chip-cards available on request.



### ➤ RCU2

Control unit for full remote access, including alarm signalling and programming of CEIA Metal Detectors.

Part # RCU2

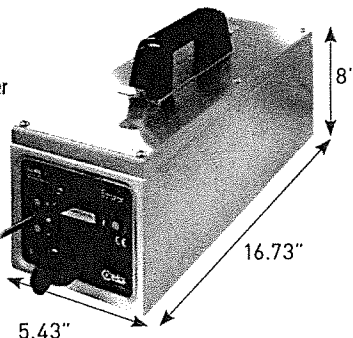


### ➤ MBSU-2

Independent, compact size, long life power supply in weatherproof stainless steel case, with embedded fast charger:

- 14 hours typical (10 hours minimum) continuous operation with HI-PE Plus
- 5 hours typical charging time.

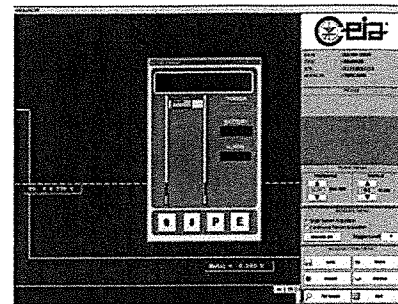
Part # MBSU-2



### ➤ MD-Scope

Powerful, PC based installation and service Software. Includes oscilloscope and terminal functionality.

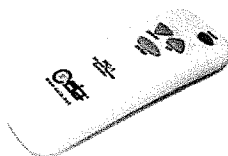
Part # MD-SCOPE2



### ➤ IRC-1

Infrared Remote Controller for wireless remote programming of the control unit.

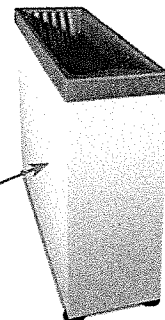
Part # 47180



### ➤ Metal Detector Divesting Table

FOR MANAGEMENT OF PERSONAL METAL BELONGINGS

- Standard length: 24" (Part # 18074)
- Extended length: 47" (Part # 39491)



### ➤ Upper Connection Module

This extension cable allows the connection of power supply and serial communication to personal computers or CEIA accessories, such as RCU-2. Part # 46650

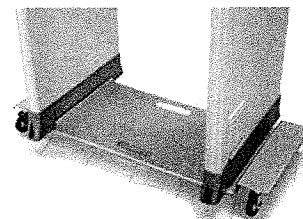
### ➤ RRU

Remote relay unit (RRU) to repeat the detection alarms of the gate through a relay contact. The RRU module can be used for integration of the Metal Detector in interlocked door systems. Part # RRU

### ➤ Stainless Steel Deck Dolly

FOR LOCAL MOVING OF THE PANEL METAL DETECTOR GATE

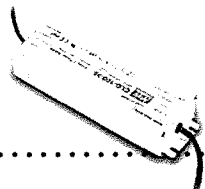
- Robust construction in AISI 316L stainless steel
- Rubber-covered castor-type wheels for easy movement
- Incorporated handles for transport (available only for 28.3" useful passage width: part # 50789)



### ➤ Waterproof Mains Power Supply

100W IP67 power supply for outdoor applications. It is provided with flanges for simple installation.

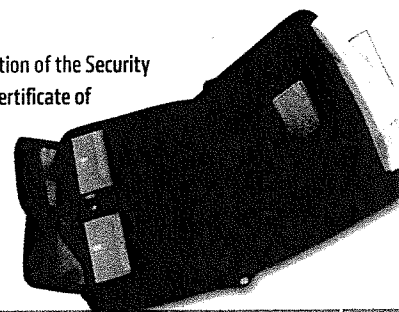
Part # 43564



### ➤ Test Samples Kit

Reference Samples for accurate verification of the Security Level. Includes guided procedures and certificate of calibration.

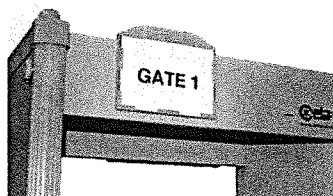
- Part # EMD-SK-GAL
- Part # EMD-SK-GDML



### ➤ ID-Holder

This accessory is designed to be hung on a crossbar of the archway, either at the entrance or the exit side. It can hold, for instance, a notice or an ID number for waiting people or for the screener.

Part # 54095



# CEIA HI-PE Plus Enhanced Multi-Zone Metal Detector

## Specifications

KEY FEATURES	Wide range of threat detection from guns to 1/2 cutter blade	
	Excellent discrimination of personal metal effects	
	60 zones x 2 (entry and exit side) with left, center and right indication	
	Met-Identity technology identifies the metal type in real time	
	High precision bidirectional counter with automatic rescreening compensation	
	Chip Card capability for fast, simple, and secure programming	
	Random alarm capability programmable from 0% to 100%	
	Exceptional Immunity to external interferences	
	One touch automatic self installation (OTS)	
	Powered by safe low voltage DC	
QUALITY	Standard Interfaces: RS-232, Bluetooth, Infrared	
	Other available interfaces: Ethernet, USB	
	Continuous self diagnostic system	
	Proven reliability	
	No periodic re-calibration and preventive maintenance required	
WALK-THROUGH GATE STRUCTURE	No scheduled maintenance	
	Fully digital design	
CENTRAL CONTROL UNIT	State-of-the-art, robust and washable panels	
	Protected against aging, weather and wear	
ALARM SIGNALING	VISUAL SIGNALS	State-of-the-art, robust and washable panels
		Protected against aging, weather and wear
		Ergonomic and robust design
	AUDIO SIGNALS	High visibility alphanumeric display and programming keyboard
		Made of advanced plastics or stainless steel and anti-vandalism construction (option)
TYPE OF SIGNALING	Access to the front panel protected by hardware key and two levels of passwords	
	VISUAL SIGNALS	Multi-zone display bar for "height on person" localization
PROGRAMMING	VISUAL SIGNALS	4 light bars with selectable entry/exit and pacing indication
		Green and red metering signals proportional to the mass of the detected target
		10 selectable continuous and pulsed tone plus 34 special tones
	AUDIO SIGNALS	10 selectable sound intensities ranging from 0 to 90 dbA at 1m
		Fixed or proportional to the mass in transit - visible from 6m under lighting of 4000lux
OPERATIONAL FEATURES	VISUAL SIGNALS	60 distinct zones (20 vertical x 3 horizontal)
		entry and exit side
	Over 40 built in security programs	
	Remote via RS-232, Infrared Remote Control Unit, Bluetooth or Ethernet 10/100 base T (option) interface	
	SECURITY LEVEL	International Standard (IS) command
INSTALLATION DATA	Chip card	
	Local by Control Unit alphanumeric display and keyboard	
	Programming and chip card access protected by user and super-user passwords	
	Very high discrimination and transit flow rates five or more times greater than other metal detection systems	
	Quick reset time as short as 0.2 seconds for high throughput rate	
INSTALLATION DATA	Very high detection speed (up to 50 ft/sec.)	
	Built-in operational functional verification	
	One-touch key reading of inbound, outbound and Security Level Data	
	Automatic synchronisation between two or more metal detectors with distance of down to 2" (5 cm) without the use of external cables	
	Automatic Installation function (OTS)	

## Environmental Data

- POWER SUPPLY : 100...240V~ -10/+15%, 47...63Hz, 40 VA max
- OPERATING TEMPERATURE: -4°F to 158°F (-35°F to 158°F upon request)
- STORAGE TEMPERATURE: -35°F to 158°F
- RELATIVE HUMIDITY: 0 to 95% (without condensation)

## Certification and Compliance

- Compliant with the applicable Standards for Enhanced Metal Detectors
- Compliant with the applicable electromagnetic Standards on Human Exposure and Pacemaker Safety
- Compliant with all Airport Security Standards worldwide
- Compliant with applicable International Standards for electrical safety and EMC
- Harmless to magnetic media (floppy disks, tapes, etc.)

## Comprehensive support

CEIA USA PROVIDES FULL OPERATIONAL AND TECHNICAL TRAINING SUPPORT BY CERTIFIED PERSONNEL EITHER AT CEIA USA FACILITY OR AT CUSTOMER PREMISES

- phone technical support
- in-house and on-site repair/services
- standard and custom training



CEIA USA Ltd - 9155 Dutton Drive, Twinsburg, OH 44087

Phone: [330] 405 3190 - Fax [330] 405 3196 - e-mail: security@ceia-usa.com

www.ceia-usa.com

Call Toll-Free 888-532-CEIA

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DP060K0061V1000US-



**Bid Number 50-00119357**

**FURNISH AND INSTALL ONE (1) NEW HI-RESOLUTION, HI-SCAN X-RAY  
INSPECTION SYSTEM AT THE J. P. GENERAL GOVERNMENT BLDG. &  
ONE (1) NEW HI-RESOLUTION, HI-SCAN X-RAY INSPECTION SYSTEM AT  
THE JOSEPH S. YENNI BLDG.**

**BID DUE DATE, TIME: MAY 16, 2017 AT 2:00 PM**

**ATTENTION VENDORS!!!**

**Please review all pages and respond accordingly, complying with all provisions  
in the technical specifications and Jefferson Parish Instructions for Bidders and  
General Terms and Conditions. All bids must be received in the Purchasing  
Department by the bid due date and time.**

**Jefferson Parish Purchasing Department  
200 Derbigny Street  
General Government Building, Suite 4400  
Gretna, LA 70053  
Buyer Name: Daphne Nelson  
Buyer Email: [DNelson@jeffparish.net](mailto:DNelson@jeffparish.net)  
Buyer Phone: (504) 364-2650**



# JEFFERSON PARISH

## Department of Purchasing

Michael S. Yenni  
Parish President

Brenda C. Patel  
Director

### **CHANGES TO JEFFERSON PARISH BIDDING PROCEDURES**

The East bank Office of Purchasing is now open! We are located in the Joseph S. Yenni Building, 1221 Elmwood Park Blvd., Suite 404, Jefferson, LA 70123. Bidders may submit bid responses at this location, pending authorization in each bid package. **Bidders should carefully read and must respond accordingly per the requirements of the bid packages. NOTE: Bidders submitting bids on the day of bid opening, bidders must submit at the West Bank location only.**

#### **Other Changes Continued:**

- For all advertised bids, corporate resolutions and/or written evidence of signature authority must be included with bid submission.
- Effective June 1, 2017, bidders may no longer send bid responses via facsimile, as some bid solicitations may provide. Vendors responding to bid solicitations may only submit via USPS, courier service, hand delivery or via online by registering free of charge at [www.jeffparishbids.net](http://www.jeffparishbids.net). For more information, please contact the Purchasing Department or visit [jeffparish.net](http://jeffparish.net).
- Current W9 Forms and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, a current W-9 form must be supplied upon contract execution, should you be awarded a contract and/or issued a purchase order.
- Upon contract execution, successful bidder must continue producing final insurance certificates per standard Jefferson Parish insurance requirements. Proof of insurance is required for bidding purposes. Bidders must read the insurance requirements attachment included in each bid package for specific instructions.

**Bidders should reference the "Additional Requirements" section of the bid instructions and/or the "Important Notice to Bidders" included in the bid package for specific requirements to respond accordingly.**

For more information, please call Jefferson Parish Purchasing at 504-364-2678.

General Government Bldg. – 200 Derbigny St – Suite 4400 - Gretna, LA 70053

Office 504.364.2678 – Fax 504.364.2693

Email: [Purchasing@jeffparish.net](mailto:Purchasing@jeffparish.net) Website: [www.jeffparish.net](http://www.jeffparish.net)

**Supply and install one (1) New Hi- Resolution HI-SCAN 7555i X-Ray Inspection System and one (1) new Hi- Resolution HI-Scan 6040-2is X-Ray Inspection System.**

**Section 1.0 – SITE VISIT:**

**A PRE-BID CONFERENCE WILL NOT BE HELD FOR THIS BID** – If a site visit is needed, please contact Ryan Babcock, Assistant Director, General Services at (504) 364-2675 between the hours of 8:00 a.m. and 2:00 p.m., Monday through Friday to schedule a site visit.

**Section 2.0 – Scope:**

We extend this bid to supply all labor, materials, transportation, programming, shipping, and all other necessary essentials to furnish and install the following:

- One (1) Smiths Detection HI-Scan 6040-2is x-ray Inspection System at the Jefferson Parish General Government Building, located at 200 Derbigny St. Gretna, LA.
- One (1) Smiths Detection HI-SCAN 7555i X-ray Inspection System at the Joseph S. Yenni Building located at 1221 Elmwood Park Boulevard Jefferson, LA:.

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The following items shall be bid as line items:

**Line item 1-**

- Provide a cost for labor and materials to install one (1) new bidder supplied HI-PE Enhanced Walk-Through Multi-Zone Metal Detector. (See Section 8.0 for specifications)

**Note:** If budgetary conditions allow mutable HI-PE Enhanced Walk-Through Multi-Zone Metal Detector could be purchased.

**Line item 2-**

- Supply and Install One (1) Smiths Detection or owner approved equal HI-SCAN 7555i X-ray Inspection System

**Line item 3-**

- Provide an additional one (1) year (two year total) extended warranty and preventative maintenance program as described in Section 13.0 AND 10.1 of these specifications for the new bidder supplied HI-SCAN 7555i X-ray Inspection System.

**Line item 4-**

- Provide an additional two (2) years (three years total) extended warranty and preventative maintenance program as described in Section 13.0 AND 10.1 of these specifications for the new bidder supplied HI-SCAN 7555i X-ray Inspection System.

**Line item 5-**

- Provide an additional three (3) years (four years total) extended warranty and preventative maintenance program as described in Section 13.0 AND 10.1 of these specifications for the new bidder supplied HI-SCAN 7555i X-ray Inspection System.

**Line item 6-**

- Supply and install one (1) new Smiths Detection HI-Scan 6040-2is x-ray Inspection System.

**Line item 7-**

- Provide an additional one (1) year (two year total) extended warranty and preventative maintenance program as described in Section 13.0 AND 10.1 of these specifications for the new bidder supplied HI-Scan 6040-2is x-ray Inspection System.

**Line item 8-**

- Provide an additional two (2) years (three years total) extended warranty and preventative maintenance program as described in Section 13.0 AND 10.1 of these specifications for the new bidder supplied HI-Scan 6040-2is x-ray Inspection System.

**Line item 9-**

- Provide an additional three (3) years (four years total) extended warranty and preventative maintenance program as described in Section 13.0 AND 10.1 of these specifications for the new bidder supplied HI-Scan 6040-2is x-ray Inspection System.



**Section 3.0 – Quantities/Inspection:**

Bidders are invited to inspect the site and perform their own measurements in order to determine the proper quantity of materials and equipment required to complete this project. All measurements given in these specifications are informational only.

**Section 4.0 – Submittals:**

If another product is being bid other than the specified equipment the bidder shall indicate on their bid form that an or equal product is being bid. If an or equal is being bid the following information shall be provided with the bid for owner review and approval. Failure to provide the requested information will result in the bid being deemed non-responsive.

1. Manufacturer's catalog with data sheets
2. Specifications of product including weights, dimensions, software, etc.
3. Warranty and preventative maintenance certificates

**Section 5.0 – Performance and Payment Bond:**

A performance and payment bond in the amount of 100% of the total contract amount will be required. Performance and payment bond shall be produced upon contract execution.

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**Section 6.0 – Bid Specifications Hi-Scan 6040-2is High Resolution X-ray Inspection System:**

The successful bidder shall supply all labor, materials, and necessary essentials to perform the following at the Jefferson Parish General Government Building located at 200 Derbigny Street Gretna, LA:

**Removal:**

- Disconnect and remove existing Smiths Detection HS 7555ix-ray machine and roller table and properly prepare unit for owner to place in storage.
- X-ray machine shall be wrapped with hand stretched plastic shrink wrap and placed in another location in the building.

**Installation:**

- Install One (1) new bidder supplied Smiths Detection or owner approved equal Hi-Scan 6040-2is High Resolution X-ray Inspection System.
- Install new x-ray machine in existing x-ray machine location
- Install Two(2) new bidder supplied 19" LCD hi resolution monitor
- Install One (1) new bidder supplied manufacturer approved operator key board.
- Install One (1) new bidder supplied and programmed advanced software with the following options:
  - Image Store System-Digital image management
  - X-Act-Advanced Contents Tracking
  - Hi-Tip Plus-Threat Image Projection
  - High Density Alert-Automatic Marking of Suspicious Packages
  - X-Plore-Determination of Organic Materials
  - OTS Xtrain-Operator Training
- Provide owner with a copy of the owner's manual listing all software installed.
- Install new bidder supplied 6 foot roller table on discharge side of machine
- Plug in new x-ray machine to existing electrical circuits.
- Replace existing receptacle to match new plug. (If applicable)
- Properly level machine.
- Commissioning of new x-ray system shall be performed with an owner's representative present.
- Provide a minimum of two (2) hours of operation training during installation

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**Section 6.1 Unit Description: Hi-Scan 6040-2is High Resolution X-ray Inspection System:**

**Tunnel Dimensions:**

Max. Object size: 620 (W) x 420 (H) [mm] 24.4" (W) x 16.5" (H)  
615 (W) x 410 (H) [mm] 24.2" (W) x 16.1" (H)

Conveyor height: approx. 800 mm (31.4")

Conveyor speed at mains frequency: approx. 0.2 / 0.24 [m/s] 50 Hz / 60 Hz

Max. Conveyor load even distributed: 160 kg (352 lbs.) Over the whole conveyor

Resolution (wire detectability): standard: 39 AWG (0.09 mm) • typical: 40 AWG (0.08 mm)

Penetration (steel): standard: 35 mm • typical: 37 mm

X-ray dose (typical): 4.6  $\mu$ Sv

External Dose: <1uSv/h

Film safety guaranteed: up to ISO 1600 (33 DIN) with a maximum of 5 inspections

Operating cycle: 100 %, no warm-up procedure required

**X-ray Generator:**

Quantity: 2

Anode voltage cooling: 160 kV cp • hermetically sealed oil bath

Beam direction: Horizontal and Vertical

**Image Generating System:**

X-ray converter: Duel view detector system with large scale integrated monolithic amplifier

Grey levels stored: 4096

Image presentation: B/W, color Hi Mat Plus

Digital video memory: 1280 x 1024 / 24 bit

Image evaluation functions: VARI-MAT, O2, OS, HIGH, Low, NEG

Stepless electronic zoom: up to 64-times

Monitor: Two (2) 19" Flat Panel LCD Monitor with stand

**Additional Features:**

- ✓ Fading-in of date/time
- ✓ Luggage counter
- ✓ User id-number
- ✓ Luggage marking system (acoustic)
- ✓ Display of operating mode
- ✓ REVIEW-feature (to recall previously visible image areas)
- ✓ Zoom overview
- ✓ Free programmable keys
- ✓ USB 2.0 interface
- ✓ Stepless zoom

**Additional Options:**

- ✓ HI-TIP
- ✓ HI-SPOT
- ✓ SEN
- ✓ XPlore
- ✓ IMS (image store system-Stores up to 100,000 images)
- ✓ Xport
- ✓ Media Bay for RIDA (250 GB),

**Installation Data:**

X-ray leakage: Meets all applicable laws and regulations with respect to X-ray emitting devices.

CE-labelling in compliance with directives: 2004/108/EC, 2006/42/EC, 2006/95/EC

Sound pressure level: < 70 dB(A)

Operating- / storage temperature: 0° - 40°C / -20°C - +60°C

Humidity: 10% - 90% (non-condensing)

Power supply standard: 100,120,230,240 VAC +10% / -20% 50 Hz / 60 Hz ± 3 Hz

Power consumption: approx. 1.2 kVA

Protection class system/keyboard: IP 20 / IP 43

Dimensions: 2340 (L) x 1314 (W) x 1372 (H) [mm] 83.5" (L) x 38.8" (W) x 56.8" (H)

Weight approx. 580 kg or 1278.7 lbs.

Mechanical construction: Steel construction with steel panels, mounted on roller castors

Standard color(s): Silver matt/B11-W1 (blue)

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**Section 7.0 – Bid Specifications HI-SCAN 7555i X-ray Inspection System:**

The successful bidder shall supply all labor, materials, and necessary essentials to perform the following at the Jefferson Parish Joseph S. Yenni Building located at 1221 Elmwood Park Boulevard Jefferson, LA:

**Removal:**

- Disconnect and remove existing Smiths Detection HS7555i x-ray machine and properly prepare unit for owner to store.
- Remove roller system and reuse on new machine. If existing roller table does not match new system it will be the bidder's responsibility to provide a new roller table to match existing table.
- X-ray machine shall be wrapped with hand stretched plastic shrink wrap and placed in another location in the building.

**Installation:**

- Install One (1) new bidder supplied Smiths Detection or owner approved equal HI-SCAN 7555i High Resolution X-ray Inspection System.
- Install new x-ray machine in existing x-ray machine location
- Install one (1) new bidder supplied 19" LCD hi resolution monitor
- Install One (1) new bidder supplied manufacturer approved operator key board.
- Install One (1) new bidder supplied and programmed advanced software with the following options:
  - HI-SPOT - Automatic Dense Area Detection
  - HI-TRAX Image Enhancement Functions
  - Image Store System - Digital Image Management
  - X-ACT - Advanced Contents Tracking
  - HI-TIPPlus - Threat Image Projection
  - High Density Alert - Automatic Marking of Suspicious Objects
  - X-PLORE - Determination of Organic Materials
  - Xport - Automatic Image Transmission
  - OTS Xtrain - Operator Training
- Provide owner with a copy of the owner's manual listing all software installed.
- Connect new x-ray machine to existing electrical circuits.
- Properly level machine.
- Commissioning of new x-ray system shall be performed with an owner's representative present.
- Provide a minimum of two (2) hours of operation training during installation
- Connect new x-ray machine to existing electrical circuits.
- Properly level machine.
- Commissioning of new x-ray system shall be performed with an owner's representative present.

**Section 7.1 Unit Description: HI-SCAN 7555i X-ray Inspection System:**

Tunnel Dimensions: 755 (W) x 555 (H) [mm] • 29.7" (W) x 21.9" (H)

Maximum Object Size: 750 (W) x 550 (H) [mm] • 29.5" (W) x 21.7" (H)

Conveyor Height: Approximately 750 mm (29.5")

Conveyor Speed at Mains Frequency: Approximately 0.2 / 0.24 [m/s] 50 Hz / 60 Hz

Maximum Conveyor Load Even Distributed: 160 kg (352 lbs.) over the whole conveyor

Resolution (wire detectability) Standard: 39 AWG (0.09 mm) typical: 40 AWG (0.08 mm)

Penetration (steel) Standard: 30 mm • typical: 31 mm

X-ray Dose / Inspection (typical) Standard: 0.8  $\mu$ Sv (0.08 mrem) • with HI-MAT: 1.6  $\mu$ Sv (0.16 mrem)

Film Safety Guaranteed Up to ISO 1600 (33 DIN)

Duty Cycle 100 %, no warm-up procedure required

**X-ray Generator:**

Anode voltage Cooling 140 kV cp

Hermetically sealed oil bath

Beam direction: Diagonal

**Image Generating System:**

X-ray converter: L-shaped detector line

Grey levels stored: 4096

Image presentation: B/W, color

Digital Video Memory: 1280 x 1024 / 24 bit

Image Evaluation Functions: VARI-MAT, O2, OS, HIGH, electronic zoom Stepless enlargement up to 16-times

Monitor: 19" Flat Panel LCD Monitor with Stand

**Additional Features Include:**

- ✓ Fading-in of date/time
- ✓ Luggage counter
- ✓ User id-number
- ✓ Luggage marking system (acoustic)
- ✓ Display of operating mode
- ✓ REVIEW-feature (to recall previously visible image areas)
- ✓ Zoom overview
- ✓ Free programmable keys
- ✓ USB 2.0 interface
- ✓ Step less zoom

**Options:**

- ✓ X-ACT
- ✓ HI-TIP
- ✓ HI-SPOT
- ✓ SEN
- ✓ XPlore
- ✓ IMS (image management system)
- ✓ Xport, Media Bay for RIDA (250 GB)
- ✓ CD/RW module

**X-Ray Machine:**

- X-ray leakage Shall meet all applicable laws and regulations with respect to X-ray emitting devices
- CE-labeling Shall be in compliance with directives 2004/108/EC, 2006/42/EC, 2006/95/EC
- Sound pressure level < 70 dB(A)
- Operating/storage temperature 0° - 40°C / -20°C - +60°C
- Humidity 10% - 90% (non-condensing)
- Power supply standard 230 VAC or 120 VAC +10% / -15% • 50 Hz / 60 Hz ± 3 Hz
- Power consumption Approximately 0.8 kVA
- Protection class system/keyboard IP 20 / IP 43
- Dimensions 2120 (L) x 958 (W) x 1443 (H) [mm]  
83.5" (L) x 38.8" (W) x 56.8" (H) [feet/inches]  
Weight-approximately 580 kg/1278.7 lbs.
- Mechanical construction Steel construction with steel panels, mounted on roller casters
- Standard color(s): RAL 7016 (dark gray)/B11-W1 (blue)

**SECTION INTENTIONALLY LEFT BLANK**

## **Section 8.0 –Enhanced Walk-Through Multi-Zone Metal Detector:**

### **Unit Description/Features:**

- Compliant with the strictest detection and discrimination standards for EMDs (Enhanced Metal Detectors)
- 4 display bars each programmable as zone indicators and/or pacing lights
- 60 localization zones (20 vertical x 3 lateral) with left, center and right indication
- Chip Card Reader
- Bluetooth, infrared and RS-232 communication
- Programmable Random Alarm capability
- 3-Level Password and hardware key access protection
- Met-Identity technology (separate Ferrous and Non-Ferrous alarm signaling)
- One Touch Automatic Self Installation (OTS)
- Automatic Operational Functional Verification (OFV)
- Automatic Vibration Compensation (AVS, EVA)
- Automatic Channel Search (CS)
- Automatic Floor Gain Adjustment (FGA)
- Automatic Technical Functional Verification (TFV)
- Automatic Environmental Noise Compensation (ENA)
- Powered by safe low voltage DC
- Anti-tamper on/off switch
- High precision transit counter
- 32.3" passage width
- People counter
- Wide range of threat detection from guns to ½ cutter blade
- Automatic Environmental Noise Compensation (ENA)
- Excellent discrimination of personal metal effects
- Met-Identity technology identifies and signals the metal type in real time
- 60 localization zones (20 vertical x 3 lateral) with left, center and right indication
- High precision bidirectional counter with automatic rescreening compensation
- One touch automatic self-installation (OTS)
- Chip Card capability for fast, simple, and secure programming
- Automatic Operational Functional Verification (OFV)
- Random alarm capability programmable from 0% to 100%
- Automatic Vibration Compensation (AVS,EVA)
- Exceptional Immunity to external interferences
- Automatic Channel Search (CS)
- Powered by safe low voltage DC
- Automatic Floor Gain Adjustment (FGA)
- Standard Interfaces: RS-232, Bluetooth, Infrared
- Automatic Technical Functional Verification (TFV)
- Other available interfaces: Wi-Fi, Ethernet, USB
- Power Supply: 100...240V~ -10/+15%, 47...63Hz, 40 VA max
- Operating temperature: -4°F to 158°F (-35°F to 158°F upon request)
- Storage temperature: -35°F to 158°F
- Relative humidity: 0 to 95% (without condensation)
- Multi-zone display bar for "height on person" localization



- 4 light bars with selectable entry/exit and pacing indication
- Green and red metering signals proportional to the mass of the detected target
- 10 selectable continuous and pulsed tone plus 34 special tones
- 10 selectable sound intensities ranging from 0 to 90 dbA at 1m
- 60 distinct zones (20 vertical x 3 lateral) entry and exit side
- Up to 50 built-in security programs (up to 30 International Standards, up to 20 Customizable Levels)
- Remote via RS-232, Infrared Remote Control Unit, Bluetooth or Ethernet 10/100 base T (option) interface
- Test Samples Kits Part # EMD-SK-GAL Part # EMD-SK-GDML

#### **Section 9.0 – Hours of Work:**

The work that is to be performed shall be scheduled during regular working hours Monday through Friday 8:00 a.m. and 4:00 p.m.

#### **Section 10.0 – Existing Structure:**

Should any cutting, patching, alteration, addition, or repairs to existing structure, wall, floor, ceiling, or part of building be required of this project, the contractor shall restore the alteration to its original condition, with the same type materials, finish, and workmanship. Any concrete curbs broke or damaged shall be repaired or replaced by the contractor.

Precautions must be exercised at all times to safeguard and protect from damage, all Parish, public, and private properties. Any such damages shall remain the sole responsibility of the contractor.

#### **Section 11.0 – Cleaning Area and Safety:**

Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Inflammable material must be removed from the job site daily, because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare and safety of the general public, employees of Jefferson Parish, and other Parish officials.

#### **Section 12.0 – MSDS:**

The contractor shall notify the Jefferson Parish Department of General Services contact person of any hazardous substances that will be brought to and/or used at the workplace. Bidder shall provide MSDS as per this requirement to the Jefferson Parish Department of General Services.

### **Section 13.0 –Preventative Maintenance:**

A Preventative maintenance inspections shall be performed twelve (12) months from the substantial completion date. The preventative maintenance inspection shall include but is not limited to the following:

- Travel time
- Travel expenses
- Freight
- Replacement parts
- Labor
- Shipping
- Check condition of all doors, panels, fenders, safety/jump rollers and lens covers.
- Check condition of all conveyor belts for damage, proper tracking/tension and alignment/leveling.
- Check for oil leaking from motors or excessive noise from belt. Recommend replacement, if needed.
- Check and replace defective x-ray on indicators.
- Open system and check internal condition.
- Clean dust and dirt from PI Board, Power Supply fans, XRC, LIF and Light barriers.
- Gently clean the light barrier transmitter and receiver Diodes from the inside of the tunnel.
- Check the inside of the tunnel and remove any foreign material stuck to inside walls, plastic collimator cover and under the conveyor belt.
- Perform a full alignment of the X-Ray generator. Adjust the offset and gain of the LIF board either mechanically (LIF 1 units) or via the software (LIF 3 units).
- Check the high voltage, anode current and heater current values and make adjustments, if necessary.
- Check the AC line voltage, proper grounding at the AC outlet and the low voltage DC power supply.
- Check all cables and tighten loose connections.
- Test and verify that all emergency stops are working properly.
- Verify that all keyboard controls and buttons are working properly.
- Test operator foot mat and clean optical attendant sensor and test for proper alignment. (Optional Devices may not be present on all systems).
- Check, clean and align the VGA monitor.
- Open all panels/covers for the x-ray conveyor system and remove all debris from the rollers, motor and covers/panels.
- Perform radiation leakage safety survey. Attach completed radiation form.

### **Section 14.0 – Warranty:**

All labor and materials shall be covered for a minimum of one (1) year starting from the date of acceptance of the project against defects. The warranty shall include travel time, travel expenses, freight, replacement parts, labor, shipping, and all other incidentals required to repair or replace any defective parts. The bidder must agree, upon written notice from the owner, promptly and without charge, and to the satisfaction of the owner, to make changes, replacements, and corrections which may be required to make good all defects in materials and/or equipment under its intended use, within the warranty period, at no cost to the owner.

**Section 15.0 – Permits:**

The contractor shall obtain any and all permits required by the Jefferson Parish Department of Inspection and Code Enforcement and the City of Gretna (if applicable). The contractor shall also be responsible for payment of these permits. All permits must be obtained prior to the start of the project.

Certificate of Final Inspection must be submitted to and approved by the Department of General Services before final payment is rendered.

**Section 16.0 – Liquidated Damages:**

Liquidated Damages in the amount of \$100.00 per day will be assessed on the seventh day from the date of the "Notice to Proceed" until work is substantially completed.

**Section 17.0 – Pre-Construction Conference and Notice to Proceed:**

A Pre-Construction Conference shall be held between the successful bidder and the owner before any work commences.

No materials shall be ordered until the successful bidder receives a written "Notice to Order Materials" from the Department of General Services.

No work shall be performed until the successful bidder receives a written "Notice to Proceed" to begin work, from the Department of General Services.

DATE: 4/25/2017  
BID NO.: 50-00119357

INVITATION TO BID  
THIS IS NOT AN ORDER

Page: 1

## JEFFERSON PARISH

PURCHASING DEPARTMENT  
P.O. BOX 9  
GRETNA, LA. 70054-0009  
504-364-2678

BUYER: DNELSON@jeffparish.net

**BIDS WILL BE RECEIVED IN THE WEST BANK PURCHASING DEPT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETNA, LA 70053 UNTIL 2:00 PM, 5/16/2017 AND PUBLICLY OPENED THEREAFTER.**

For convenience, bidders may also submit bids in the East Bank Purchasing Department, Suite 404, Jefferson Parish Joseph S. Yenni Building, 1221 Elmwood Park Blvd., Jefferson LA 70123. However, if submitting bids on the day of bid opening, bidders must submit at the West Bank location only. All bids will be publicly opened at the West Bank location.

At no charge, bidders may also submit via Jefferson Parish's electronic procurement page by visiting [www.jeffparishbids.net](http://www.jeffparishbids.net) to register for this free site. Additional instructions are included in the text box highlighting electronic procurement.

### LATE BIDS WILL NOT BE ACCEPTED

Unless submitting via online (see Page 3), each bid must be submitted in a sealed envelope bearing on the outside; the name of the Bidder, his address, and the name of the project for which the bid is submitted and the bid number.

**NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES SHALL RESULT IN BID REJECTION.**

### INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

#### THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647.

All vendors submitting bids should register as a Jefferson Parish vendor if not already yet registered. Registration forms may be downloaded from <http://purchasing.jeffparish.net> and by clicking on Vendor Information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Further, a current W-9 form and respective Tax Identification number must be supplied upon contract execution, should you be awarded a contract and/or issued purchase order. Failure to do so may result in delay of payment.

All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department. This provision does not apply to public works projects

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

Bidders should submit all questions in writing and fax them to the Purchasing Department at (504) 364-2693 no later than FIVE (5) working days prior to bid opening. Bid numbers should be mentioned in all requests. Questions may also be emailed to the buyer for this bid at the email address listed above. If submitting online, vendors may send questions via the E-Procurement site no later than Five (5) working days prior to the bid opening.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum. Please note that all official communication will be expressed in the form of an addendum.

All formal Addenda require written acknowledgement on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected. JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications.

Visit our website at [HTTP://PURCHASING.JEFFPARISH.NET](http://PURCHASING.JEFFPARISH.NET)

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. Vendors must not alter the bid forms. Doing so will cause the bid to be rejected.

A corporate resolution or written evidence of the individual signing the bid having such authority must be submitted with the bid. Failure to comply will cause bid to be rejected. For corporate entities, such written evidence may be a printout of the Louisiana Secretary of State's website listing the signatory as an officer. Such printout shall be included with the bid submission. Bids submitted by Owners or Sole Proprietorships must include certification that he or she owns the entity for which the bid is signed. This documentation must be submitted with the bid. Failure to do so will result in bid rejection.

NOTE: A sample corporate resolution can be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document. A sample certification of sole proprietorship can also be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document.

## INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

**A. AWARD OF CONTRACT:** JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE. SPLIT AWARDS MADE TO SEVERAL VENDORS WILL ONLY BE GRANTED TO THOSE DEEMED RESPONSIVE AND RESPONSIBLE.

All bid prices shall remain valid for 45 days. Jefferson Parish and the lowest responsive and responsible bidder(s) by mutual written consent may mutually agree to extend the deadline for award by one (1) or more extensions of thirty (30) calendar days.

**PROTESTS:** Only those vendors that submitted a bid in response to this solicitation may submit a protest in writing to the Director of the Purchasing within 48 hours of bid opening. The Purchasing Director will review it in connection with the Parish Attorney's Office which will then respond in writing as soon as possible.

**PREFERENCE:** Unless federal funding is directly spent by Jefferson Parish for this purchase, preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA - R.S. 38:2251-2261"

**B. USE OF BRAND NAMES AND STOCK NUMBERS:** Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

**C. CANCELLATION OF CONTRACT:** JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

**D. PRICES:** Jefferson Parish is exempt from paying sales tax under LSA-R.S. 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit of measure specified and unless otherwise specified, shall be exclusive of state and Parish taxes. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit price shall prevail.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A17.1-1961).

Jefferson Parish and its partners as the recipients of federal funds are fully committed to awarding a contract(s) to firm(s) that will provide high quality services and that are dedicated to diversity and to containing costs. Thus, Jefferson Parish strongly encourages the involvement of minority and/or woman-owned business enterprises (DBE's, including MBE's, WBE's and SBE's) to stimulate participation in procurement and assistance programs.

**INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS**

Advertised bids will be tabulated and a copy of the tabulation will be forwarded to each responding bidder.

**IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS**

This electronic procurement system allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only. Bidders are encouraged to submit electronically using this free service; while the website accepts various file types, one single PDF file containing all appropriate and required bid documents is preferred. Bidders submitting uploaded images of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, then bidder's submission will be rejected. Please note all requirements contained in this bid package for electronic bid submission.

Please visit our E-Procurement Page at [www.jeffparishbids.net](http://www.jeffparishbids.net) to register and view Jefferson Parish solicitations. For more information, please visit the Purchasing Department page at <http://purchasing.jeffparish.net>.

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 113646 or 113647 dated 12/09/09. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at <http://purchasing.jeffparish.net> and clicking on Online Forms.

**ADDITIONAL REQUIREMENTS FOR THIS BID**

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE  
CORRESPONDING INSTRUCTIONS BELOW.

**3,5,6,8,9,10,11,13,15**

1. All bidders must attend the MANDATORY pre-bid conference and will be required to sign in and out as evidence of attendance. In accordance with LSA R.S. 38:2212(l), all prospective bidders shall be present at the beginning of the MANDATORY pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid for the project.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.
4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid envelope. Failure to comply will cause the bid to be rejected. Additionally if submitting the bid electronically, then the license number must be entered in the appropriate field in the Electronic Procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.

**INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS**

7. **PUBLIC WORKS BIDS:** All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise stated in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. **NON-PUBLIC WORKS BIDS:** A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. **NON-PUBLIC WORKS BIDS:** A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. Unless otherwise stated in the bid specifications, the successful bidder will be required to procure standard insurance policies evidencing Parish-mandated insurance requirements as indicated on the attached "insurance requirements" sheet. All bidders must comply with the instructions in this sheet. Failure to comply will cause bid to be rejected.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. Acceptable forms shall be limited to cashier's check, certified check, or surety bid bond. All sureties must be in original format (no copies). If submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations or warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. **PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits Required;** This applies to all solicitations for construction, alteration or demolition of public buildings or projects, in conformity with the provisions contained in LSA-RS 38:2212.9, LSA-RS 38:2212.10, LSA-RS 38:2224, and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit, Debt Disclosures Affidavit and E-Verify Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
15. **NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits Required** in conformity with the provisions contained in LSA - RS 38:2224 and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Debt Disclosures Affidavit and Campaign Contribution Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled NON PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
16. The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement and/or Federal funding/reimbursement. As such, the referenced appendix will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and submitted with bid submission. Failure to submit applicable certifications with bid submission will result in bid rejection.
17. For this project, the Contractor shall not pay any state or local sales or use taxes on materials and equipment which are affixed and made part of the immovable property of the project or which permanently incorporated in the project (hereinafter referred to as "applicable materials and equipment"). All purchases of applicable materials or equipment shall be made by the contractor on behalf of and as the agent of Jefferson Parish (Owner), a political subdivision of the State of Louisiana. No state and local sales and use taxes are owned on applicable materials and equipment under the provisions of Act 1029 of the 1991 Regular Session - Louisiana Revised Statute 47:301(8)(c). Owner will furnish contractor a certificate form which certifies that Owner is not required to pay such state or local sales and use taxes, and contractor shall furnish a copy of such certificate to all vendors or suppliers of the applicable materials and equipment.

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission; and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to Jefferson Parish Code of Ordinances Section 2-155.10(19). By submitting a bid, vendor acknowledges this and will abide by all provisions of the referenced Jefferson Parish Code of Ordinances.

DATE: 4/25/2017

Page: 5

BID NO.: 50-00119357

**BID FORM**  
Non Public Works

**All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form**

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES \_\_\_\_\_ NO X

MAXIMUM ESCALATION PERCENTAGE REQUESTED N/A %

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF N/A

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

**DELIVERY: FOB JEFFERSON PARISH**

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES \_\_\_\_\_

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) N/A

**THIS SECTION MUST BE COMPLETED BY BIDDER:**

FIRM NAME: Pemica Inc.

ADDRESS: 7324 SW 48<sup>th</sup> Street.

CITY, STATE: Miami, Florida ZIP: 33155

TELEPHONE: (305) 668 0771 FAX: (305) 675 0713

EMAIL ADDRESS: antonio@pemica.com

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: # 1 May 9, 2017.

NUMBER: # 2 May 11, 2017.

NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

TOTAL PRICE OF ALL BID ITEMS: \$ \_\_\_\_\_

AUTHORIZED  
SIGNATURE: [Signature]

TITLE: General Manager.

Antonio Navarro  
Printed Name

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

**NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.**



HOLD DOCUMENT UP TO THE LIGHT TO VIEW TRUE WATERMARK

OFFICIAL CHECK

HOLD DOCUMENT UP TO THE LIGHT TO VIEW TRUE WATERMARK

**citibank**

Citibank, N.A.

FC#00123 FA# 010  
018-02 CK. Ser. #

\$0.00 ONL  
170679502

DATE 05/12/17

170679502

62-20  
311

PAY

\*\*\*\*\*TEN THOUSAND DOLLARS\*\*\*\*\*

\*\*\*\$10,000.00\*\*

TO  
THE  
ORDER  
OF

\*\*\*\*\*JEFFERSON PARISH PURCHASING DEPARTMENT\*\*\*\*\*

Drawer: Citibank, N.A.

NAME OF REMITTER  
ADDRESS  
Citibank, N.A. One Penn's Way  
New Castle, DE 19720

PEMICA INC  
RID NUMBER 50-00119357

BY  
AUTHORIZED SIGNATURE

MP

Security  
Deposit on  
Back

⑈170679502⑈

⑆031100209⑆

38762924⑈



# JEFFERSON PARISH

Department of Purchasing

Michael S. Yenni  
Parish President

Brenda C. Patel  
Director

May 9, 2017

**ADDENDUM #1**

**Bid No.: 50-00119357**

**Bid Opening Date: May 16, 2017**

**For: Furnish and install new Hi-Resolution Hi-Scan X-Ray Inspection Systems at the General Government Building and the Joseph S. Yenni Building**

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**REVISIONS TO THE BID SPECIFICATIONS:**

This addendum hereby revises and replaces pages 6 and 7 of the original bid form and specification page SP-2 is attached hereto. Bidders must submit this revised bid form with their submission. Failure to do so will result in bid rejection.

**THE BID OPENING DATE WILL REMAIN THE SAME MAY 16, 2017 AT 2:00 P.M.**

Sincerely,

*Daphne Nelson*

Daphne Nelson, Buyer II  
Jefferson Parish Purchasing Department

**Bidders must acknowledge all addenda on the bid form. Bidder acknowledges receipt of this addendum on the bid form as indicated. Failure to do so will result in bid rejection.**

**This addendum is a part of the contract documents and modifies the original bidding documents and specifications. The contents of this addendum shall be included in the contract documents. Changes made by this addendum shall take precedence over the documents of earlier date.**

## INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119357

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			<p>LABOR, MATERIALS, PROGRAMMING &amp; EQUIPMENT NECESSARY TO FURNISH &amp; INSTALL ONE (1) NEW HI-RESOLUTION, HI-SCAN</p> <p>ONE (1) NEW HI-RESOLUTION HI-SCAN 755I XRAY INSPECTION SYSTEM AND ONE NEW HI-RESOLUTION 6040-2IS X-RAY. WE EXTEND THIS BID FOR LABOR, MATERIALS, TRANSPORTATION, PROGRAMING, AND SHIPPING OF ALL NECESSARY ESSENTIAL TO FURNISH AND INSTALL ONE (1) SMITHS DETECTION HI-SCAN 6040-2IS X-RAY INSPECTION SYSTEM AT JEFFERSON PARISH GENERAL GOVERNMENT BUILDING. LOCATED AT 200 DERBIGNY ST., GRETN, LA, 70053 AND ONE (1) SMITHS DETECTION HI-SCAN 755I X-RAY INSPECTION SYSTEM AT THE JOSEPH S. YENNI BUILDING LOCATED AT 1221 ELMWOOD PARK BLVD. AS PER SPECIFICATIONS.</p> <p>*****NOTE***** A PRE-BID CONFERENCE WILL NOT BE HELD FOR THIS BID *****</p> <p>*****SITE VISIT***** IF A SITE VISIT IS NEEDED, PLEASE CONTACT RYAN BABCOCK, ASSISTANT DIRECTOR GENERAL SERVICES AT (504) 364-2675 BETWEEN THE HOURS OF 8:00 AM AND 2:00 PM MONDAY THROUGH FRIDAY, TO SCHEDULE A SITE VISIT. *****</p> <p>*****FIRST ITEM TO BID*****</p>		
1	1.00	EA	0010 ONE (1)SMITHS DETECTION HI-SCAN 6040-2is X-RAY INSPECTION SYSTEM AT THE JEFFERSON PARISH GENERAL GOVERNMENT BLDG. LOCATED AT 200 DERBIGNY ST GRETN	→ \$74,210	\$74,210
2	1.00	EA	0020-PROVIDE AN ADDITIONAL ONE (1) YEAR (TWO YEAR TOTAL) EXTENDED WARRANTY AND PREVENTATIVE MAINTENANCE PROGRAM AS DESCRIBED IN SECTION 13.0 AND 10.1 OF THE SPECS FOR THE NEW BIDDER SUPPLIES HI-SCAN 6040-2 IS X-RAY INSPECTION SYSTEM	→ \$6,948	\$6,948
3	1.00	EA	0030-PROVIDE AN ADDITIONAL (2) YEAR (THREE YEARS TOTAL) EXTENDED WARRANTY AND PREVENTATIVE MAINTENANCE PROGRAM AS DESCRIBED ON SECTION 13.0 AND 10.1 OF THE SPECS FOR THE NEW BIDDER SUPPLIED HI-SCAN 6040-2 IS X-RAY INSPECTION SYSTEM.	→ \$13,340	\$13,340
<p>50-00119357 Revised Per Addendum #1</p>					

## INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119357

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
4	1.00	EA	0040-PROVIDE AN ADDITIONAL THREE (3) YEAR (FOUR YEARS TOTAL) EXTENDED WARRANTY AND PREVENTATIVE MAINTENANCE PROGRAM AS DESCRIBED IN SECTION 13.0 AND 10.1 FOR THE SPECS FOR THE NEW BIDDER SUPPLIED HI-SCAN 6040-2is X-RAY INSPECTION SYSTEM.	→ \$19,593	\$19,593
5	1.00	EA	0050-ONE (1) SMITHS DETECTION OR OWNER APPROVED EQUAL HI-SCAN 7555I X-RAY INSPECTION SYSTEM AT THE JOSEPH S. YENNI BUILDING LOCATED AT 1221 ELMWOOD PARK BLVD. JEFFERSON	→ \$42,291	\$42,291
6	1.00	EA	0060-PROVIDE AN ADDITIONAL ONE (1) YEAR (TWO YEAR TOTAL) EXTENDED WARRANTY AND PREVENTATIVE MAINTENANCE PROGRAM AS DESCRIBED IN SECTION 13.0 AND 10.1 OF THE SPECS FOR THE NEW BIDDER SUPPLIED HI-SCAN 7555I X-RAY INSPECTION SYSTEM.	→ \$4,869	\$4,869
7	1.00	EA	0070-PROVIDE AN ADDITIONAL TWO (2) YEAR (THREE YEARS TOTAL) EXTENDED WARRANTY AND PREVENTATIVE MAINTENANCE PROGRAM AS DESCRIBED IN SECTION 13.0 AND 10.1 OF THE SPECS FOR THE NEW BIDDER SUPPLIED HI-SCAN 7555I X-RAY INSPECTION SYSTEM.	→ \$8,525	\$8,525
8	1.00	EA	0080-PROVIDE AN ADDITIONAL THREE (3) YEAR (FOUR YEAR TOTAL) EXTENDED WARRANTY AND PREVENTATIVE MAINTENANCE PROGRAM AS DESCRIBED IN SECTION 13.0 AND 10.1 OF THE SPECS FOR THE NEW BIDDER SUPPLIED HI-SCAN 7555I X-RAY INSPECTION SYSTEM.	→ \$11,727	\$11,727
9	1.00	EA	0090-ALTERNATE NO.1-PROVIDE COST FOR LABOR AND MATERIALS TO INSTALL ONE (1) NEW BIDDER SUPPLIED HI-PE ENHANCED WALK-THROUGH MULTI-ZONED METAL DETECTOR. AS PER THE SPECS IN SECTION 8.0.	→ \$5,870	\$5,870.
<p style="text-align: center;">50-00119357 Revised Per Addendum #1</p>					

The following items shall be bid as line items:

Line item 1-

- Supply and install one (1) new Smiths Detection HI-Scan 6040-2is x-ray Inspection System.

Line item 2-

- Provide an additional one (1) year (two year total) extended warranty and preventative maintenance program as described in Section 13.0 AND 10.1 of these specifications for the new bidder supplied HI-Scan 6040-2is x-ray Inspection System.

Line item 3-

- Provide an additional two (2) years (three years total) extended warranty and preventative maintenance program as described in Section 13.0 AND 10.1 of these specifications for the new bidder supplied HI-Scan 6040-2is x-ray Inspection System.

Line item 4-

- Provide an additional three (3) years (four years total) extended warranty and preventative maintenance program as described in Section 13.0 AND 10.1 of these specifications for the new bidder supplied HI-Scan 6040-2is x-ray Inspection System

Line item 5-

- Supply and Install One (1) Smiths Detection or owner approved equal HI-SCAN 7555i X-ray Inspection System

Line item 6-

- Provide an additional one (1) year (two year total) extended warranty and preventative maintenance program as described in Section 13.0 AND 10.1 of these specifications for the new bidder supplied HI-SCAN 7555i X-ray Inspection System.

Line item 7-

- Provide an additional two (2) years (three years total) extended warranty and preventative maintenance program as described in Section 13.0 AND 10.1 of these specifications for the new bidder supplied HI-SCAN 7555i X-ray Inspection System.

Line item 8-

- Provide an additional three (3) years (four years total) extended warranty and preventative maintenance program as described in Section 13.0 AND 10.1 of these specifications for the new bidder supplied HI-SCAN 7555i X-ray Inspection System.

Line item 9-

- Provide a cost for labor and materials to install one (1) new bidder supplied HI-PE Enhanced Walk-Through Multi-Zone Metal Detector. (See Section 8.0 for specifications)

Note: If budgetary conditions allow multiple HI-PE Enhanced Walk-Through Multi-Zone Metal Detector could be purchased.

50-00119357

SP-2

Revised per Addendum #1



# JEFFERSON PARISH

## Department of Purchasing

**Michael S. Yenni**  
Parish President

**Brenda C. Patel**  
Director

**May 11, 2017**

### **ADDENDUM #2**

**Bid No.: 50-00119357**

**Bid Opening Date: May 16, 2017**

**For: Furnish and install new Hi-Resolution Hi-Scan X-Ray Inspection Systems at the General Government Building and the Joseph S. Yenni Building**

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### **CLARIFICATION TO THE BID SPECIFICATIONS:**

#### **Question 1**

States "all workmanship and materials must have at least one (1) year guaranty."

Please clarify the use of the word "workmanship." Does this refer to the product or to the warranty service?

#### **Answer:**

The service performed by the successful bidder

#### **Question 2**

Bidder shall provide MSDS as per this requirement to the Jefferson Parish Dept. of General Services.

Please advise if MSDS must be provided with the proposal or if these are post-award requirements.

#### **Answer:**

Safety Data Sheets (SDS) shall be provided to owner at pre-construction meeting.

#### **Question 3**

X-ray converter: dual view detector system with large scale integrated monolithic amplifier

Please define the need for an "integrated monolithic amplifier." Will the Parish consider a unit without such an amplifier?

#### **Answer**

An integrated monolithic amplifier is required please bid equipment as specified.

#### **Question 4**

Fading-in of date/time please clarify the need to have this "fade-in." Will the Parish accept a date/time feature that does not fade-in or out?



# JEFFERSON PARISH

## Department of Purchasing

**Michael S. Yenni**  
Parish President

**Brenda C. Patel**  
Director

**Answer**

Fading-in of date/time is required please bid equipment as specified.

**Question 5**

Resolution (wire detectability): standard 39 AWG (0.09mm), typical 40 AWG (0.08 mm)  
Will the Parish accept standard 38 AWG with 40 AWG typical?

**Answer**

Standard 39 AWG (0.09mm), typical 40 AWG (0.08 mm) is required please bid equipment as specified.

**Question 6**

Dimensions: 2340 (L) x 1314 (W) x 1372 (H) [mm] 83.5" (L) x 38.8" (W) x 56.8" (H)  
Will the Parish accept a system that is: 2880mm (L) x 1430mm (W) x 1418mm (H) 113.4" (L) x 56.3" (W) x 55.8" (H)?

**Answer**

2340 (L) x 1314 (W) x 1372 (H) [mm] 83.5" (L) x 38.8" (W) x 56.8" (H) is required please bid equipment as specified.

**Question 7**

Weight approx. 580 kg or 1278.7 lbs. Will the Parish accept a system that weighs 1,000kg/2205 lbs.?

**Answer**

Yes a 1,000kg/2205 lbs will also be acceptable

**Question 8**

Replace existing receptacle to match new plug (if applicable) Systems are dual voltage and support 230 or 110

VAC +/- 10% at 50/60 hz. It is the customer's responsibility to provide compatible site power.

Please confirm that this is acceptable.

**Answer**

110 volts are available at the location

**Question 9**

Standard color(s): Silver matt/BIl-WI (blue) These are specific to Smiths Detection.

Will other colors be considered?

**Answer**

Yes other color will be considered.



# JEFFERSON PARISH

## Department of Purchasing

**Michael S. Yenni**  
Parish President

**Brenda C. Patel**  
Director

**Question 10**

Tunnel Dimensions: 755 (W) x 555 (H) [mm] Maximum Object Size: 750 (W) x 550 (H) [mm]

Will the Parish consider a system that has a Tunnel Size of 750 (W) x 550 (H) [mm] with a Maximum Object Size of 745 (W) x 545 (H) mm?

**Answer**

Tunnel size of 755 (W) x 555 (H) [mm] Maximum Object Size: 750 (W) x 550 (H) [mm] is required please bid equipment as specified Equipment shall be bid as specified.

**Question 11**

Penetration (steel) Standard: 30 mm• typical: 31 mm

Will the Parish consider a system that is 29 guaranteed with 30 typical?

**Answer**

Penetration (steel) Standard: 30 mm• typical: 31 mm is required please bid equipment as specified.

**Question 12**

Fading-in of date/time please clarify the need to have this "fade-in."

Will the Parish accept a date/time feature that does not fade-in or out?

**Answer**

Fading-in of date/time is required please bid equipment as specified.

**Question 13**

Standard color(s): RAL 7016 (dark gray)/811-WI (blue) these are specific to Smiths Detection.

Will other colors be considered?

**Answer**

Yes other color will be considered.

**Question 14**

Dimensions: 2120 (L) x 958 (W) x 1443 (H) [mm] 83.5" (L) x 38.8" (W) x 56.8" (H) [feet/inches]

Will the Parish accept a system that is: 2282mm (L) x 1030mm (W) x 1467mm (H) 89.9" (W) x 40.6" (W) x 57.8" (L)?

**Answer**

Dimensions: 2120 (L) x 958 (W) x 1443 (H) [mm] 83.5" (L) x 38.8" (W) x 56.8" (H) [feet/inches] is required please bid equipment as specified.





# JEFFERSON PARISH

## Department of Purchasing

**Michael S. Yenni**  
Parish President

**Brenda C. Patel**  
Director

**Question 15**

Weight: approximately 580 kg/1278.7 lbs  
Will the Parish accept a system that weighs 1,000kg?

**Answer**

Yes the parish will accept a weight of 1,000kg also.

**Question 16**

States "Bidders should reference the "Additional Requirements" section of the bid instructions and/or the "Important Notice to Bidders" included in the bid package."  
We do not see the referenced "Important Notice to Bidders." Please clarify or provide us with this notice.

**Answer**

The statement includes **and/or**. This is standard bidding procedures language because some of our projects refer to our "Additional Requirements for This Bid" listed on page 3 and others such as Public Works projects refer to the "Important Notice to Bidders". The requirements for this bid are listed on Page 3.

**Question 17**

Requires a bid bond in the amount of 5% of "total bid."  
Please define how the Parish wishes vendors to calculate the total, i.e. should any options be included?

**Answer**

Bond shall be for 5% of the total bid including all line items and alternates

**Question 18**

On Section 7.0  
Remove roller system and reuse on new machine. If existing roller table does not match new system it will be the bidder's responsibility to provide a new roller table to match existing table.

What is the length of this table?

**Answer**

As per Section 3.0 – Quantities/Inspection of the bid specifications "Bidders are invited to inspect the site and perform their own measurements in order to determine the proper quantity of materials and equipment required to complete this project. All measurements given in these specifications are informational only".



# JEFFERSON PARISH

Department of Purchasing

Michael S. Yenni  
Parish President

Brenda C. Patel  
Director

**THE BID OPENING DATE WILL REMAIN THE SAME MAY 16, 2017 AT 2:00 P.M.**

Sincerely,

Daphne Nelson

Daphne Nelson, Buyer II  
Jefferson Parish Purchasing Department

**Bidders must acknowledge all addenda on the bid form. Bidder acknowledges receipt of this addendum on the bid form as indicated. Failure to do so will result in bid rejection.**

**This addendum is a part of the contract documents and modifies the original bidding documents and specifications. The contents of this addendum shall be included in the contract documents. Changes made by this addendum shall take precedence over the documents of earlier date.**

A handwritten signature in black ink, appearing to be "B. Patel", is located in the lower right quadrant of the page.

## CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF  
Pemica Inc  
INCORPORATED.

AT THE MEETING OF DIRECTORS OF Pemica Inc  
INCORPORATED, DULY NOTICED AND HELD ON 6/15/1999,  
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT  
WAS:

RESOLVED THAT Antonio Navarro, BE AND IS HEREBY  
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-  
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON  
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS  
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,  
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE  
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,  
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES  
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS  
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING  
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-  
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE  
A TRUE AND CORRECT COPY OF AN  
EXCERPT OF THE MINUTES OF THE ABOVE  
DATED MEETING OF THE BOARD OF  
DIRECTORS OF SAID CORPORATION, AND  
THE SAME HAS NOT BEEN REVOKED OR  
RESCINDED.

  
\_\_\_\_\_  
SECRETARY-TREASURER

05/16/2017  
\_\_\_\_\_  
DATE

## **Non-Public Works Bid Affidavit Instructions**

- Affidavit is supplied as a courtesy to Affiants, but it is the responsibility of the affiant to insure the affidavit they submit to Jefferson Parish complies, in both form and content, with federal, state and parish laws.
- Affidavit must be signed by an authorized representative of the entity or the affidavit will not be accepted.
- Affidavit must be notarized or the affidavit will not be accepted.
- Notary must sign name, print name, and include bar/notary number, or the affidavit will not be accepted.
- Affiant **MUST** select either A or B when required or the affidavit will not be accepted.
- Affiants who select choice A must include an attachment or the affidavit will not be accepted.
- If both choice A and B are selected, the affidavit will not be accepted.
- Affidavit marked N/A will not be accepted.
- It is the responsibility of the Affiant to submit a new affidavit if any additional campaign contributions are made after the affidavit is executed but prior to the time the council acts on the matter.

*Instruction sheet may be omitted when submitting the affidavit*

Non-Public Works Bid

AFFIDAVIT

STATE OF Florida

PARISH/COUNTY OF Miami-Dade

BEFORE ME, the undersigned authority, personally came and appeared: Antonio  
Navarro, (Affiant) who after being by me duly sworn, deposed and said that  
he/she is the fully authorized General Manager of Pemica Inc (Entity),  
the party who submitted a bid in response to Bid Number 50-0019357 to the Parish of  
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required  
attachment):

Choice A \_\_\_\_\_ Attached hereto is a list of all campaign contributions, including  
the date and amount of each contribution, made to current or  
former elected officials of the Parish of Jefferson by Entity,  
Affiant, and/or officers, directors and owners, including  
employees, owning 25% or more of the Entity during the two-year  
period immediately preceding the date of this affidavit or the  
current term of the elected official, whichever is greater. Further,  
Entity, Affiant, and/or Entity Owners have not made any  
contributions to or in support of current or former members of the  
Jefferson Parish Council or the Jefferson Parish President through  
or in the name of another person or legal entity, either directly or  
indirectly.

Choice B X there are NO campaign contributions made which would require  
disclosure under Choice A of this section.

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A \_\_\_\_\_ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B X There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

*[The remainder of this page is intentionally left blank.]*

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.



Signature of Affiant

Antonio Navarro

Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

ON THE 16 DAY OF May, 2017.



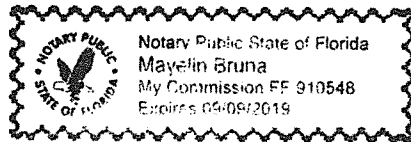
Notary Public

Mayelin Bruna

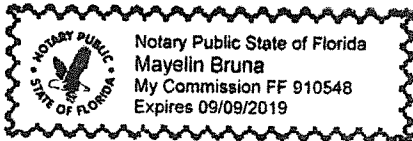
Printed Name of Notary

FF 910548

Notary/Bar Roll Number



My commission expires 9/9/2019



## **STANDARD INSURANCE REQUIREMENTS – PUBLICLY ADVERTISED BIDS**

All required insurance under this bid shall conform to Jefferson Parish Resolution No. 113646 or No. 113647, as applicable. Contractors may not commence any work under any ensuing contract unless and until all required insurance and associated evidentiary requirements thereto have been met, along with any additional specifications contained in the advertised bid. Except as where otherwise precluded by law, the Parish Attorney or his designee, with the concurrence of the Director of Risk Management or his designee, may agree on a case-by-case basis, to deviate from Jefferson Parish's standard insurance requirements, as provided in this Section. Vendors requesting deviation therefrom shall submit such requests in writing, along with compelling substantiation, to the Purchasing Department prior to the bid's due date. Any changes to the insurance requirements will be reflected in the bid specifications and addenda. Prior to contract execution and at all times thereafter during the term of such contract, contractors must provide and continuously maintain all coverages as required by the foregoing Resolutions, and the contract documents. Failure to do so shall be grounds for suspension, discontinuation or termination of the contract.

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For bidding purposes, bidders must submit with bid submission a current (valid) insurance certificate evidencing the required coverages. Failure to comply will cause bid to be rejected. The current insurance certificate will be used for proof of insurance at time of evaluation. Thereafter, and prior to contract execution, the low bidder will be required to provide final insurance certificates to the Parish which shall name the Jefferson Parish, its Districts Departments and Agencies under the direction of the Parish President and the Parish Council as additional insureds regarding negligence by the contractor for the Commercial General Liability, Workmen's Compensation Insurance and the Comprehensive Automobile Liability policies. Additionally, said certificates should reflect the name of the Parish Department receiving goods and services and reference the respective Jefferson Parish bid number.

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### **JEFFERSON PARISH REQUIRED STANDARD INSURANCE**

#### **☒ WORKER'S COMPENSATION INSURANCE**

As required by Louisiana State Statute, exception; Employer's Liability, Section B shall be \$1,000,000 per occurrence when Work is to be over water and involves maritime exposures to cover all employees not covered under the State Worker's Compensation Act, otherwise this limit shall be no less than \$500,000 per occurrence.

**Note:** If your company is not required by law to carry workmen's compensation insurance, i.e. not a Louisiana company, sole employee of the company, then bidders must request a workmen's compensation insurance declaration affidavit prior to the bid opening date. This insurance declaration affidavit must be fully completed, signed, properly notarized and submitted with the bid. A scanned copy may be submitted with the bid; however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.



☒ **COMMERCIAL GENERAL LIABILITY**

Shall provide limits not less than the following: \$1,000,000.00 Combined Single Limit per Occurrence for bodily injury and property damage.

☒ **COMPREHENSIVE AUTOMOBILE LIABILITY**

Bodily injury liability \$1,000,000.00 each person; \$1,000,000.00 each occurrence.  
Property Damage Liability \$1,000,000.00 each occurrence.

**Note:** This category may be omitted if bidders do not/will not utilize company vehicles for the project or do not possess company vehicles. Bidder must request an automobile insurance declaration affidavit prior to the bid opening date. This insurance declaration affidavit must be fully completed, signed, properly notarized and submitted with the bid. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid; however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

**DEDUCTIBLES**

No insurance required shall include a deductible not greater than \$10,000.00. The cost of the deductible shall be borne by the contractor.

NOTE: If the vendor requires a change in deductibles, the request must be submitted in writing to the Purchasing Department prior to the due date of the bid. Such request shall be reviewed by the Parish Attorney's Office with the concurrence of the Director of Risk Management.

**UMBRELLA LIABILITY COVERAGE**

An umbrella policy or excess may be used to meet minimum requirements.

**FOR CONSTRUCTION AND RENOVATION PROJECTS:**

The following are required unless otherwise specified in the bid. Such insurance is due upon contract execution.

**1) OWNER'S PROTECTIVE LIABILITY**

To be for the same limits of liability for bodily injury and property damage liability established for commercial general liability.

**2) BUILDER'S RISK INSURANCE**

The contractor shall maintain Builder's Risk Insurance at his own expense to insure both the owner (Parish of Jefferson) and contractor as their interest may appear.

## Request for Taxpayer Identification Number and Certification

Give Form to the  
requester. Do not  
send to the IRS.

Print or type  
See Specific Instructions on page 2.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. <b>Remica Inc.</b>	
2 Business name/disregarded entity name, if different from above	
3 Check appropriate box for federal tax classification; check only <b>one</b> of the following seven boxes: <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ <b>Note.</b> For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner. <input type="checkbox"/> Other (see instructions) ▶	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <i>(Applies to accounts maintained outside the U.S.)</i>
5 Address (number, street, and apt. or suite no.) <b>7324 SW 49<sup>th</sup> Street</b>	Requester's name and address (optional)
6 City, state, and ZIP code <b>Miami, FL 33155</b>	
7 List account number(s) here (optional)	

### Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

**Note.** If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.

Social security number	
<div></div>	<div></div>
or	
Employer identification number	
<div></div>	<div></div>

### Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign  
Here

Signature of  
U.S. person ▶

Date ▶ **05/16/2017.**

### General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

**Future developments.** Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at [www.irs.gov/fw9](http://www.irs.gov/fw9).

### Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)

- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

*If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding? on page 2.*

By signing the filled-out form, you:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
- Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YY)  
12/09/16PRODUCER Procom Insurance Underwriters  
4909 SW 74th Ct.  
Miami, FL 33155  
Phone (305)740-4460 Fax (305)740-4465THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION  
ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE  
HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR  
ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.INSURED PEMICA, INC.  
7324 SW 48 STREET  
MIAMI, FL 33155  
305-668-0771

## INSURERS AFFORDING COVERAGE

NAIC #

INSURER A COVINGTON SPECIALTY INS. CO.

13027

INSURER B ASSOCIATED INDUSTRIES INS. CO.

23140

INSURER C

INSURER D

INSURER E

## COVERAGES

THE POLICIES OF INSURANCE LISTED HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING  
ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR  
MAY PERTAIN. THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH  
POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/>	<b>GENERAL LIABILITY</b>	VBA464462-00	05/26/2016	05/26/2017	EACH OCCURRENCE	
		2,000,000					
		DAMAGE TO RENTED PREMISES (Ea occurrence)					
		100,000					
		<input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR				MED EXP (Any one person)	5,000
		<input checked="" type="checkbox"/> 500 BI/PD DED				PERSONAL & ADV INJURY	2,000,000
		GEN'L AGGREGATE LIMIT APPLIES PER:				GENERAL AGGREGATE	2,000,000
		<input type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC				PRODUCTS - COMP/OP AGG	2,000,000
		<b>AUTOMOBILE LIABILITY</b>				COMBINED SINGLE LIMIT (Ea accident)	
	<input type="checkbox"/>	<input type="checkbox"/> ANY AUTO				BODILY INJURY (Per person)	
		<input type="checkbox"/> ALL OWNED AUTOS				BODILY INJURY (Per accident)	
		<input type="checkbox"/> SCHEDULED AUTOS				PROPERTY DAMAGE (Per accident)	
		<input type="checkbox"/> HIRED AUTOS				AUTO ONLY - EA ACCIDENT	
		<input type="checkbox"/> NON OWNED AUTOS				OTHER THAN EA ACC	
						AUTO ONLY: AGG	
		<b>GARAGE LIABILITY</b>				EACH OCCURRENCE	
	<input type="checkbox"/>	<input type="checkbox"/> ANY AUTO				AGGREGATE	
		<b>EXCESS / UMBRELLA LIABILITY</b>					
	<input type="checkbox"/>	<input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE					
		<input type="checkbox"/> DEDUCTIBLE					
		<input type="checkbox"/> RETENTION \$					
B		<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b>	AWC1069104	09/23/2016	09/23/2017	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER	
		ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER / MEMBER EXCLUDED? (Mandatory in NH)	Y/N			E.L. EACH ACCIDENT	1,000,000
		If yes, describe under SPECIAL PROVISIONS below	Y			E.L. DISEASE - EA EMPLOYEE	1,000,000
		OTHER				E.L. DISEASE - POLICY LIMIT	1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS  
WHOLESALE DISTRIBUTORS AND INSTALLATION OF ELECTRIC SCALE & METAL DETECTORSThe Jefferson Parish, its Districts Departments and Agencies under the direction of the Parish President and the Parish Council as  
additional insureds regarding negligence by the contractor for the Commercial General Liability, Worker Compensation Insurance

## CERTIFICATE HOLDER

Additional Insured  
Jefferson Parish Purchasing Department  
200 Derbigny Street  
General Government Building, Suite 4400

## CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE  
EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL  
30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO  
THE LEFT. BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY  
OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.AUTHORIZED REPRESENTATIVE  
ISIDRO GUEZAMA



## CERTIFICATE OF INSURANCE

SUCH INSURANCE AS RESPECTS THE INTEREST OF THE CERTIFICATE HOLDER NAMED BELOW WILL NOT BE CANCELED OR OTHERWISE TERMINATED WITHOUT GIVING 10 DAYS PRIOR WRITTEN NOTICE TO THE CERTIFICATE HOLDER, BUT IN NO EVENT SHALL THIS CERTIFICATE BE VALID MORE THAN 30 DAYS FROM THE DATE WRITTEN. THIS CERTIFICATE OF INSURANCE DOES NOT CHANGE THE COVERAGE PROVIDED BY ANY POLICY DESCRIBED BELOW.

This certifies that: ☒ STATE FARM MUTUAL AUTOMOBILE INSURANCE COMPANY of Bloomington, Illinois  
☐ STATE FARM FIRE AND CASUALTY COMPANY of Bloomington, Illinois  
☐ STATE FARM COUNTY MUTUAL INSURANCE COMPANY OF TEXAS of Dallas, Texas  
☐ STATE FARM INDEMNITY COMPANY of Bloomington, Illinois, or  
☐ STATE FARM GUARANTY INSURANCE COMPANY of Bloomington, Illinois

has coverage in force for the following Named Insured as shown below:

NAMED INSURED: PEMICA INCORPORATED							
ADDRESS OF NAMED INSURED: 7324 SW 48 STREET, MIAMI, FL 33155-5523							
POLICY NUMBER	G18 2448-C15-59						
EFFECTIVE DATE OF POLICY	09/15/16-03/15/17						
DESCRIPTION OF VEHICLE (Including VIN)	15 NISSAN PATHFINDER VIN# 5N1AR2MN0FC722230						
LIABILITY COVERAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
LIMITS OF LIABILITY							
a. Bodily Injury							
Each Person	500,000						
Each Accident	500,000						
b. Property Damage							
Each Accident	500,000						
c. Bodily Injury & Property Damage Single Limit							
Each Accident							
PHYSICAL DAMAGE COVERAGES							
a. Comprehensive	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
	\$ 500 Deductible	\$ Deductible	\$ Deductible	\$ Deductible	\$ Deductible	\$ Deductible	\$ Deductible
b. Collision	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
	\$ 500 Deductible	\$ Deductible	\$ Deductible	\$ Deductible	\$ Deductible	\$ Deductible	\$ Deductible
EMPLOYERS NON-OWNED CAR LIABILITY COVERAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
HIRED CAR LIABILITY COVERAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
FLEET - COVERAGE FOR ALL OWNED AND LICENSED MOTOR VEHICLES	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO

Signature of Authorized Representative

Title

6675

Agent's Code Number

12/09/2016

Date

Name and Address of Certificate Holder

Name and Address of Agent

Jefferson Parish  
200 Derbigny Street  
General Government Building, Suite 4400

C MARTINEZ STATE FARM AGENCY  
878 S DIXIE HWY STE 100  
CORAL GABLES, FL 33146

INTERNAL STATE FARM USE ONLY:

- ☐ Request permanent Certificate of Insurance for liability coverage.  
☒ Request Certificate Holder to be added as an Additional Insured.



# CERTIFICATE OF INSURANCE

SUCH INSURANCE AS RESPECTS THE INTEREST OF THE CERTIFICATE HOLDER NAMED BELOW WILL NOT BE CANCELED OR OTHERWISE TERMINATED WITHOUT GIVING 10 DAYS PRIOR WRITTEN NOTICE TO THE CERTIFICATE HOLDER, BUT IN NO EVENT SHALL THIS CERTIFICATE BE VALID MORE THAN 30 DAYS FROM THE DATE WRITTEN. THIS CERTIFICATE OF INSURANCE DOES NOT CHANGE THE COVERAGE PROVIDED BY ANY POLICY DESCRIBED BELOW.

This certifies that: ☒ STATE FARM MUTUAL AUTOMOBILE INSURANCE COMPANY of Bloomington, Illinois  
☐ STATE FARM FIRE AND CASUALTY COMPANY of Bloomington, Illinois  
☐ STATE FARM COUNTY MUTUAL INSURANCE COMPANY OF TEXAS of Dallas, Texas  
☐ STATE FARM INDEMNITY COMPANY of Bloomington, Illinois, or  
☐ STATE FARM GUARANTY INSURANCE COMPANY of Bloomington, Illinois

has coverage in force for the following Named Insured as shown below:

NAMED INSURED: PEMICA INCORPORATED				
ADDRESS OF NAMED INSURED: 7324 SW 48 STREET, MIAMI, FL 33155-5523				
POLICY NUMBER	979 6771-E31-59F	458 8927-A16-59K	C24 7135-B08-59	D32 9675-A06-59A
EFFECTIVE DATE OF POLICY	11/30/16-05/31/17	07/16/16-01/16/17	08/08/16-02/08/17	07/06/16-01/06/17
DESCRIPTION OF VEHICLE (Including VIN)	15 NISSAN ALTIMA VIN# 1N4AL3AP4FC239783	16 TOYOTA TACOMA VIN# 5TFAX5GN8GX061922	NON OWNED LIABILITY	14 NISSAN NV 200 VIN# 3N6CM0KN6EK702508
LIABILITY COVERAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
LIMITS OF LIABILITY				
a. Bodily Injury				
Each Person	500,000	500,000		500,000
Each Accident	500,000	500,000		500,000
b. Property Damage				
Each Accident	500,000	500,000		500,000
c. Bodily Injury & Property Damage Single Limit				
Each Accident			1,000,000	
PHYSICAL DAMAGE COVERAGES				
a. Comprehensive	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO \$ 500 Deductible	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO \$ 500 Deductible	<input type="checkbox"/> YES <input type="checkbox"/> NO \$ Deductible	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO \$ 500 Deductible
b. Collision	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO \$ 500 Deductible	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO \$ 500 Deductible	<input type="checkbox"/> YES <input type="checkbox"/> NO \$ Deductible	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO \$ 500 Deductible
EMPLOYERS NON-OWNED CAR LIABILITY COVERAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
HIRED CAR LIABILITY COVERAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
FLEET - COVERAGE FOR ALL OWNED AND LICENSED MOTOR VEHICLES	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

Signature of Authorized Representative: *Martinez* ADM ASSISTANT Title: 6675 Agent's Code Number: 12/09/2016 Date:

Name and Address of Certificate Holder

Name and Address of Agent

Jefferson Parish  
200 Derbigny Street  
General Government Building Suite 4400

C MARTINEZ STATE FARM AGENCY  
878 S DIXIE HWY STE 100  
CORAL GABLES, FL 33146

***PRODUCT WARRANTY STATEMENT***

Smiths Detection, Inc. (SDI) warrants new products to be free from defects in material and workmanship for the period of 12 months from the date of installation and customer acceptance, or 13 months from the date of shipment from SDI, whichever is shorter.

This warranty shall not apply if the user abuses or modifies the product, or utilizes the product in an environment with excessive dirt, moisture, chemical fumes, extremes of temperature or other improper conditions, or does not provide a suitable source of electric power for the product. Additionally, any product that has been damaged by accident, shipment, or misapplication shall not be covered by this warranty.

All other warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose, are excluded.

Smiths Detection, Inc. is not responsible for special, incidental, or consequential damages resulting from any breach of warranty, or under any legal theory, including lost profits, downtime, goodwill, damage to or replacement of equipment and property, and any costs of recovering, reprogramming, or reproducing any program or data stored in or used with Smiths Products.

---

# HI-SCAN™ 6040-2is

## DUAL-VIEW X-RAY INSPECTION FOR HAND LUGGAGE



### Feature Highlights

- **Compact footprint and weighs less than 850 kg (1873 lbs)**
- **Guaranteed steel penetration of 35 mm (1.38")**
- **Flexible design for easier installation through door widths of 900 mm (35.5")**
- **Dual-view technology**
- **Operator friendly interface**
- **Available in standard and high resolution**

HI-SCAN 6040-2is is an advanced dual view X-ray inspection system for automatic explosive detection. It offers high throughput at security checkpoints, where bags and personal belongings are screened, utilising proven Heimann X-ray technology to detect dangerous and illegal objects, highlighted in excellent, high quality dual-view images.

With its modern, contemporary design the HI-SCAN 6040-2is provides increased flexibility, with its compact footprint and lower weight, less than 850 kg (1873 lbs). It can be used in areas that are restricted in space and will fit through doorways of 900 mm (35.5") for installation.

It offers further flexibility with different monitor options and an integrated lockable keyboard. Monitors can be placed on top of the X-ray unit or on a wheeled stand, to provide remote operation away from the machine.

HI-SCAN 6040-2is comes with a guaranteed steel penetration of 35 mm (1.38") and an operator friendly interface which makes it easy for the user to identify illegal objects and explosives that pose a threat to society.

Available in standard and also in high resolution to include EU certified liquid explosive detection (LEDS), providing the Standard 2 Type C capability\*.

The HI-SCAN 6040-2is is suitable for airports, government buildings, hotels and other critical infrastructure applications where reliable security solutions are required.

\*LEDS available in 2014 for high resolution only



# Technical Data **HI-SCAN 6040-2is**

## General Specifications

Tunnel dimensions	620 (W) x 420 (H) [mm] • 24.4" (W) x 16.5" (H)
Max. object size	615 (W) x 410 (H) [mm] • 24.2" (W) x 16.1" (H)
Conveyor height <sup>1)</sup>	approx. 800 mm [21.5"]
Conveyor speed with 50 Hz / 60 Hz mains frequency	standard: 0.2/0.24 [m/s]
Max. conveyor load even distributed over the whole conveyor	160 kg [352 lbs]
Resolution (wire detectability) <sup>2)</sup>	standard resolution (SR): standard: 39 AWG • typical: 40 AWG high resolution (HR): standard: 40 AWG • typical: 41 AWG standard: 35 mm • typical: 37 mm
Penetration (steel) <sup>2)</sup>	4.6 µSv
X-ray dose (typical)	< 1 µSv/h
External dose	guaranteed up to ISO 1600 [33 DIN] with a maximum of 5 inspections
Film safety	100 %, no warm-up procedure required
Operating cycle	

## X-ray Generator

X-ray generators	2
Anode voltage • cooling	160 kV cp • hermetically sealed oil bath
Beam direction	horizontal and vertical

## Image Generating System

X-ray converter	dual-view detector system with large-scale integrated, monolithic amplifier
Grey levels stored	4096
Image presentation	B/W, color, HI-MAT <sup>Plus</sup>
Digital video memory	1280 x 1024 / 24 bit
Image evaluation functions	VARI-MAT, O <sup>2</sup> , OS, HIGH, LOW, NEG stepless, electronic Zoom: enlargement: up to 16 times
Monitor	Flat Panel LCD Monitor

## Additional Features

Functions	fading-in of date/time, luggage counter, user id-number, luggage marking system (acoustic), display of operating mode, REVIEW-feature (to recall previously visible image areas), zoom overview, free programmable keys, USB 2.0 interface, stepless zoom
Options	HI-TIP, HI-SPOT, SEN, XPlore, IMS (image management system), Xport, Media Bay for RIDA (250 GB)

## Installation Data

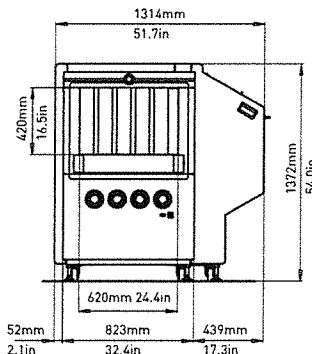
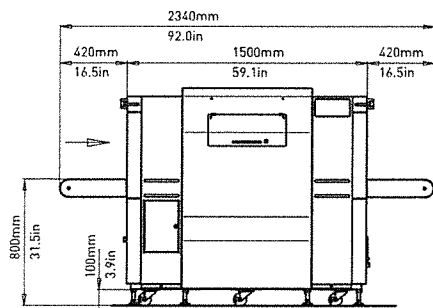
X-ray leakage	meets all applicable laws and regulations with respect to X-ray emitting devices
CE labelling/directives	in compliance with directives 2004/108/EC, 2006/42/EC, 2006/95/EC developed in accordance with directives IEC, UN, UL, CSA
Sound pressure	< 65 dB(A)
Operating-/storage temperature	0° - 40°C / -20°C - +60°C
Humidity	10% - 90% (not condensing)
Power supply	standard: 100, 120, 200, 230, 240 VAC +10% / -20% • 50 Hz - 60 Hz ± 3 Hz
Power consumption	max. 1.2 kVA
Protection class system/keyboard	IP 20 / IP 43
Dimensions • weight <sup>4)</sup>	2340 (L) x 1314 (W) x 1372 (H) [mm] • approx. 820 kg
Mechanical construction	steel construction with steel panels, mounted on roller castors standard color(s): silver matt / B11-W1 (blue)

<sup>1)</sup> approx. values (adjustable)

<sup>2)</sup> proprietary quality management test piece: steel step wedge, CU wires, belt speed 0.2 m/s

<sup>3)</sup>

<sup>4)</sup> without control desk, keyboard, monitor(s) etc.



For product information, sales or service, please go to [www.smithsdetection.com/locations](http://www.smithsdetection.com/locations)

Smiths Heimann GmbH, Im Herzen 4, 65205 Wiesbaden, Germany  
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HI-SCAN is a trademark of Smiths Detection Group Ltd.

smiths detection

# HI-SCAN™ 7555i

HEIMANN X-RAY TECHNOLOGY



## Feature Highlights

- **High-End processor technology**
- **High-Speed digital signal transmission**
- **HI-MAT Plus advanced material classification**
- **High image resolution**
- **24 Bit real time image processing**
- **New ergonomic user interface**
- **Free programmable priority keys**

The HI-SCAN 7555i is a newly designed, compact x-ray inspection system with a tunnel opening of 755 mm (30") wide by 555 mm (22") high. This tunnel size is ideally suitable for screening checked luggage and packages as well as briefcases, handbags and other small items.

The HI-SCAN 7555i is part of the new iLane system concept, which offers various possibilities of extension due to a modular, flexible system design.

Online image analysis methods to support the operator's work, and a new man-machine interface configured according to ergonomic aspects, are pointing the way to the future for this kind of system. Innovative technique and a high degree of reliability, make this system an excellent tool for covering sensitive fields of inspection.

The equipment offers the operating personnel optimum support in making decisions and reduces inspection times considerably.

# Technical Data **HI-SCAN 7555i**

## General Specifications

Tunnel dimensions	755 (W) x 555 (H) [mm] • 29.7" (W) x 21.9" (H)
Max. object size	750 (W) x 550 (H) [mm] • 29.5" (W) x 21.7" (H)
Conveyor height <sup>1)</sup>	approx. 750 mm (29.5")
Conveyor speed at mains frequency 50 Hz / 60 Hz	approx. 0.2 / 0.24 [m/s]
max. conveyor load even distributed over the whole conveyor <sup>5)</sup>	160 kg (352 lbs)
Resolution (wire detectability) <sup>2)</sup>	standard: 39 AWG (0.09 mm) • typical: 40 AWG (0.08 mm)
Penetration [steel] <sup>2)</sup>	standard: 30 mm • typical: 31 mm
External dose rate	≤ 2 µSv/h (0.2 mrem)
Film safety	guaranteed up to ISO 1600 (33 DIN)
Duty cycle	100 %, no warm-up procedure required

## X-ray Generator

Anode voltage • cooling	140 kV cp • hermetically sealed oil bath
Beam direction	diagonal

## Image Generating System

X-ray converter	L-shaped detector line
Grey levels stored	4096
Image presentation	B/W, color
Digital video memory	1280 x 1024 / 24 bit
Image evaluation functions	VARI-MAT, O2, OS, HIGH, electronic zoom: stepless enlargement up to 64-times
Monitor	Flat Panel LCD Monitor

## Additional Features

Features	fading-in of date/time, luggage counter, user id-number, luggage marking system (acoustic), display of operating mode, REVIEW-feature (to recall previously visible image areas), zoom overview, free programmable keys, USB 2.0 interface, stepless zoom
Options	X-ACT, HI-TIP, HI-SPOT, SEN, XPlore, IMS (Image Store System - stores up to 100,000 images), Xport, Media Bay for RIDA (250 GB), CD/RW module

## Installation Data

X-ray leakage	meets all applicable laws and regulations with respect to X-ray emitting devices.
CE-labelling	in compliance with directives 2004/108/EC, 2006/42/EC, 2006/95/EC
Sound pressure level	< 70 dB(A)
Operating- / storage temperature	0° - 40°C / -20°C - +60°C
Humidity	10% - 90% (non-condensing)
Power supply <sup>3)</sup>	standard: 230 VAC or 120 VAC +10% / -15% • 50 Hz / 60 Hz ± 3 Hz
Power consumption	approx. 0.8 kVA
Protection class system / keyboard	IP 20 / IP 43
Dimensions • Weight <sup>4)</sup>	2120 (L) x 958 (W) x 1443 (H) [mm] • approx. 580 kg 83.5" (L) x 38.8" (W) x 56.8" (H) • approx. 1278.7 lbs
Mechanical construction	steel construction with steel panels, mounted on roller castors standard color(s): RAL 7016 [dark gray] / B11-W1 [blue]

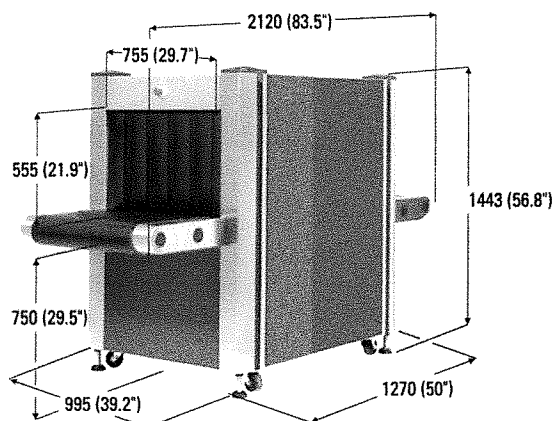
<sup>1)</sup> approx. values [adjustable]

<sup>2)</sup> proprietary quality management test piece: steel step wedge, CU wires, belt speed 0.2 m/s

<sup>3)</sup> different values optional

<sup>4)</sup> without control desk, keyboard, monitor(s) etc.

<sup>5)</sup> measured at ambient temperature of 20°C and nominal voltage



For product information, sales or service, please go to [www.smithsdetection.com/locations](http://www.smithsdetection.com/locations)

Smiths Heimann GmbH, Im Herzen 4, 65205 Wiesbaden, Germany

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smiths detection

# HI-PE Plus

## ENHANCED WALK-THROUGH MULTI-ZONE METAL DETECTOR

- Accurate Detection of magnetic, non-magnetic and mixed-alloy metal weapons
- 60 localization zones:
  - 20 vertical • 3 lateral
- High Discrimination and Throughput
- Compliant with and Certified to the Strictest Security Standards for weapons detection
- Exceptional Immunity to external interferences
- Unmatched Reliability
- Rapid Installation

### Applications

- ✓ Government Buildings
- ✓ Industries [Security]
- ✓ Nuclear Facilities [Security]
- ✓ Prisons [visitors]
- ✓ Public Events
- ✓ Amusement Parks
- ✓ Courts
- ✓ Cruise ships
- ✓ Data Processing Centers [EDP]
- ✓ Hotels
- ✓ Schools Security



[www.ceia-usa.com](http://www.ceia-usa.com)

**Threat Detection through Electromagnetics**

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## HI-PE Plus Enhanced Multi-Zone Metal Detector

CEIA is proud to present the new HI-PE Plus Multi-Zone Metal Detector, a development of the well-established HI-PE model. Accurate detection of all metals, high level of discrimination, full compliance with the latest Security Standards and exceptional immunity to external interferences are among the main peculiarities of this new device.

### Features



- Capability to detect the full range of metal weapon threats even within body cavities

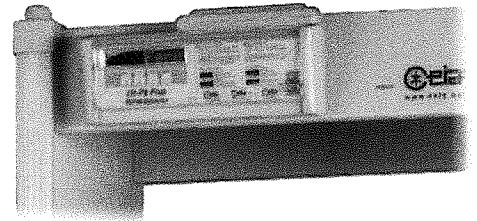


- Met-Identity technology for Identification of Threat Composition

The most advanced Security Standards require detection of all ferrous and non-ferrous metal weapons and of those constructed in special non-magnetic alloys. The HI-PE Plus detects firearms and knives of this type, even when they are hidden within body cavities, and accurately indicate the position of the threat, its intensity and its prevalent composition. Inspection personnel thereby acquire thorough knowledge of the metal item and can act, according to procedures, with maximum effectiveness and security.



- 60 pinpointing zones with high resolution & precision:
  - 20 Vertical • 3 Lateral



#### MET-IDENTITY TECHNOLOGY

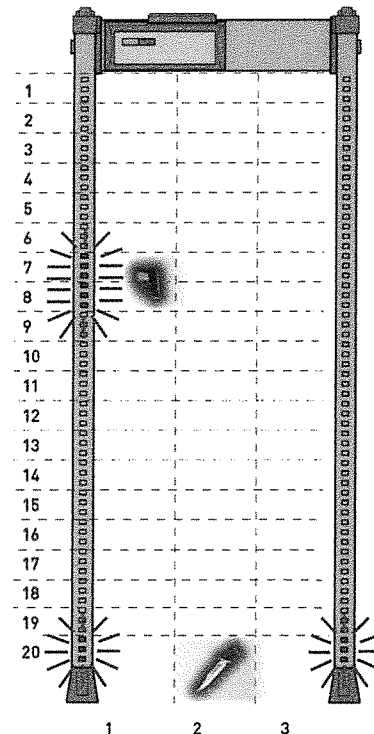
*With Met-Identity technology, the HI-PE Plus allows you to know where, how much and what type of metal is being brought into the secure area.*



➤ FERROUS METAL

➤ NON FERROUS METAL

#### 60 LOCALIZATION ZONES with left, center and right indication



## Benefits



- Cutting-edge discrimination technology allows personal effects to be ignored, creating rapid transit flow

The transit volume magnetic scanning system, invented by CEIA and applied since production of the first zonal Metal Detectors in 1986, allows state-of-the-art detection and discrimination results.

The HI-PE Plus has a very low nuisance alarm rate even at the strictest Security Levels requested today, and therefore allows high transit flow rates and the minimum need for intervention by inspection personnel.

## Unique Alarm Signaling



- 4 Multi-Zone Display Bars, each programmable as entry Stop/Go and/or local alarm indication
- High visibility of the control unit and the zone indication independent from the operator position and the installation environment

Accurate signaling is essential for best operation and flow management. The HI-PE Plus provides the user with fully-programmable signaling. Both entry-points can indicate with a high level of accuracy, even simultaneously, the vertical and lateral areas of transit of the threats detected, and can also be configured as 'traffic lights' to control transits through the detector.



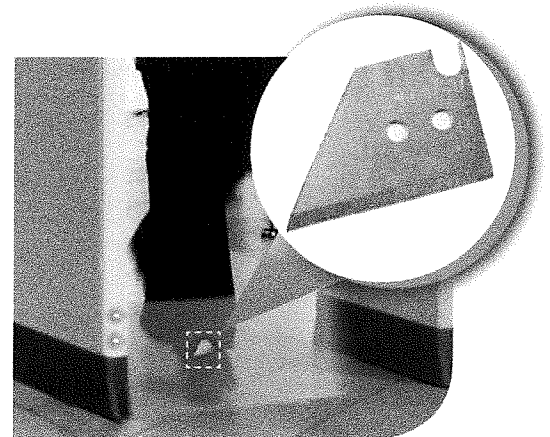
- Flexible Acoustic Alarm Signaling System:
  - ☑ 10 Continuous and Pulsed Tones
  - ☑ 34 Special Sounds
- 10 Acoustic Intensity Levels

A complete acoustic alarm system allows personalization of the alarm tones and intensities, with a wide choice of continuous, pulsed and special tones at different levels of intensity. The wide volume control dynamic allows operation even in very noisy environments.



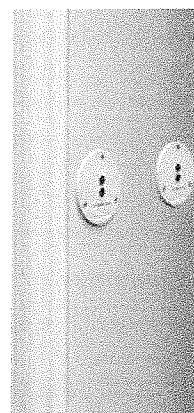
- High Precision Transit Counter:
  - ☑ In-Bound Transits
  - ☑ Out-Bound Transits
  - ☑ Alarm Rate
  - ☑ Automatic Compensation for repeated transits of the same person

The Metal Detector provides an automatic count of the people passing through the access point in both directions and the related nuisance alarm percentage.



### 4 MULTI-ZONE DISPLAY BARS

*Light bars indicate metal position vertically and laterally and can also show pacing lights.*



### HIGH PRECISION TRANSIT COUNTER

*Two photocells fitted into the archway allow counting of transits, alarms and percentage of alarms.*



# HI-PE Plus Enhanced Multi-Zone Metal Detector

## Most Powerful and Versatile Security Features



### ■ Up to 50 built-in Security Programs

- ☒ Up to 30 International Standards
 ☒ Up to 20 Customizable Levels

Setting the Security Levels could not be easier and more versatile than in the HI-PE Plus. Users can choose directly from the known International Standards or request implementation of a Standard personalized to their own requirements. Users can also create their own work program and save it in internal memory provided for the purpose.



### ■ Chip Card system for fast, simple and secure parameter changes [i.e. alarm volume and tone, counter reading, etc...] and security level selection

One unique characteristic of the CEIA Metal Detectors is the chip-card system, which allows the Head of Security to set the Security Level quickly, reliably and without having to program the device in any way.



### ➤ CHIP CARD SYSTEM

*Chip Card for automatic selection of Security Levels and parameter changes.*



### ■ Any security standard can be enhanced with selectable random alarm probability

## Rapid Installation



### ■ One touch guided automatic installation [OTS]

Innovative function assisting the installation through an automatic step-by-step procedure



### ■ Continuous self diagnostics assures monitored performance reliability

## Communication Capabilities



### TYPE OF OPERATION

	Ethernet	USB	Infrared	Bluetooth	RS-232
Maintenance	○	○		■	■
Remote Control	○		■	■	■
Remote Data collection	○				

■ STANDARD ○ OPTION

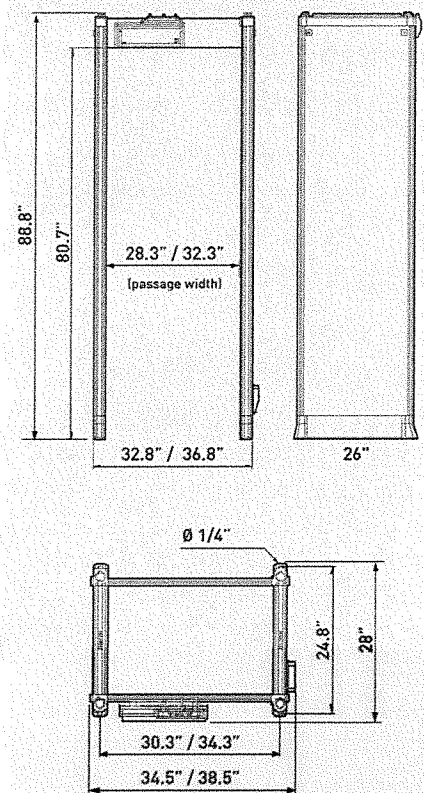
➤ *Exceptional immunity to environmental interferences makes the Metal Detector easy to use even when electrical noise is encountered.*

## Model Configuration

Features	HI-PE Plus/PZ
Compliant with the strictest detection and discrimination standards for EMDs (Enhanced Metal Detectors)	■
4 display bars each programmable as zone indicators and/or pacing lights	■
60 localization zones (20 vertical x 3 lateral) with left, center and right indication	■
Chip Card Reader	■
Bluetooth, infrared and RS-232 communication	■
High precision transit counter	■
Programmable Random Alarm capability	■
3-Level Password and hardware key access protection	■
Met-Identity technology (separate Ferrous and Non-Ferrous alarm signaling)	■
One Touch Automatic Self Installation (OTS)	■
Automatic Operational Functional Verification (OFV)	■
Automatic Vibration Compensation (AVS, EVA)	■
Automatic Channel Search (CS)	■
Automatic Floor Gain Adjustment (FGA)	■
Automatic Technical Functional Verification (TFV)	■
Automatic Environmental Noise Compensation (ENA)	■
Powered by safe low voltage DC	■
Anti-tamper on/off switch	■
Integrated web-server & logger (includes Ethernet and USB interface)	○
Weather resistant protection	○
Anti-vandalism, anti-tampering protection	○
IP65 protection (includes weather resistant and anti-vandalism options)	○
Embedded battery charger and under-voltage protection	○
Long life crossbar battery back-up	○
32.3" useful passage width	○

■ STANDARD ○ OPTION

## Dimensions



### UNDER THE ALARM THRESHOLD

- Small metal mass
- Medium metal mass

### OVER THE ALARM THRESHOLD

- Medium metal mass
- Large metal mass

Green and Red Metering Signals  
Proportional to the Metal Mass  
Detected



## HI-PE Plus Enhanced Multi-Zone Metal Detector

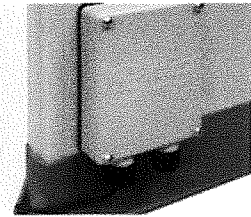
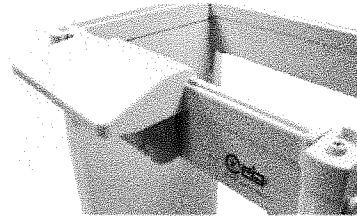


### Options / Upgrade Kits

#### ➤ Weather Resistant Protection

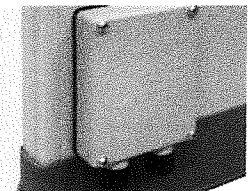
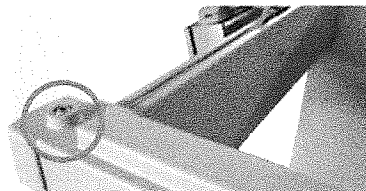
Kit for upgrading the standard version to outdoor applications according to IEC 60950-22; this kit includes shelters, crossbars, protection covers for power supply and IP67 mains power supply adapter.

- 28.3" passage width (part # 55630)
- 32.3" passage width (part # 55633)



#### ➤ Anti-vandalism, Anti-tampering Protection

This option includes stainless steel control unit, IP67 mains power supply adapter, protection covers for power supply and antenna connection compartments, equipped with screws requiring tools for removal. Part # 55629



#### ➤ IP65 Protection

This option includes the Weather Resistant and Anti-vandalism kits.

- 28.3" passage width (part # 55631);
- 32.3" passage width (part # 55632)

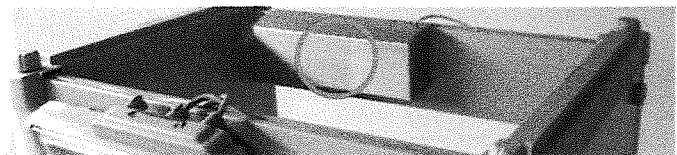
#### ➤ 32.3" Useful Passage Width

Part # 55635

#### ➤ Long life crossbar battery back-up

Crossbar battery back-up in stainless steel case. Provides up to 8 hours of autonomous working time.

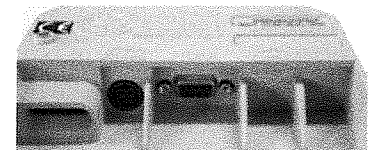
Part # 55681



#### ➤ Embedded Battery Charger and Under-voltage Protection

Anti-tamper on/off switch, RS-232 interface, battery charger with 12 hours mains disconnection diagnostic alarm.

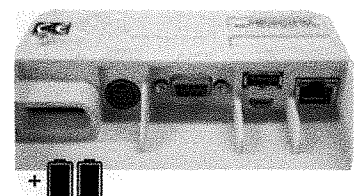
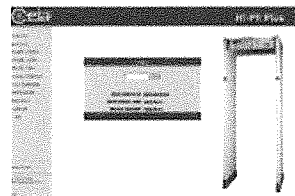
Part # APSM2Plus/P



#### ➤ Integrated Web-server & Logger, Battery Back-up and Charger

Anti-tamper on/off switch, RS-232, USB, 10/100 baseT Ethernet interface, data logger, real-time clock, integrated web-server, transit statistical data analysis, 20h internal battery back-up with 12 hours mains disconnection diagnostic alarm.

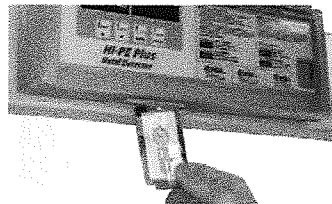
Part # APSiM2Plus/P



## Accessories

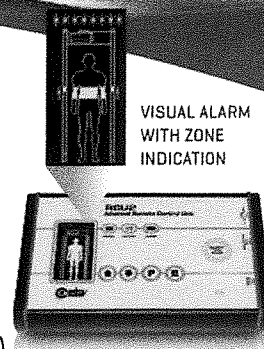
### ➤ Chip Cards

Chip cards for simple and secure selection of Security Levels and parameter setting. List of chip-cards available on request.



### ➤ RCU2

Control unit for full remote access, including alarm signaling and programming of CEIA Walk Through Metal Detectors (part # RCU2). The connection is performed via bluetooth (standard) or via cable connection (part # 3618).

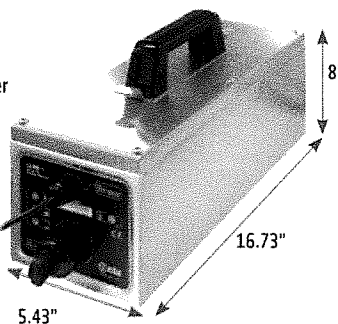


### ➤ MBSU-2

Independent, compact size, long life power supply in weatherproof stainless steel case, with embedded fast charger:

- 14 hours typical (10 hours minimum) continuous operation with HI-PE Plus
- 5 hours typical charging time.

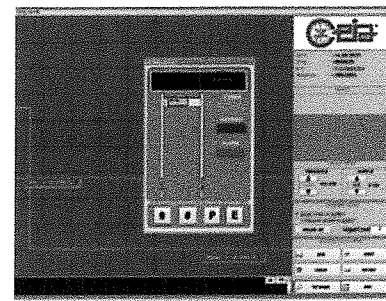
Part # MBSU-2



### ➤ MD-Scope2

Powerful, PC based installation and service software. Includes oscilloscope and terminal functionality (part # MD-SCOPE2).

The connection is performed via bluetooth (standard) or via cable connection (part # 3805).



### ➤ IRC-1

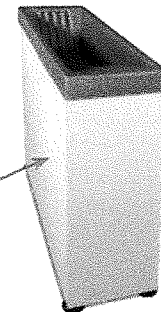
Infrared Remote Controller for wireless remote programming of the control unit.

Part # 47180



### ➤ Metal Detector Divesting Table FOR MANAGEMENT OF PERSONAL METAL BELONGINGS

- Standard length: 24" (Part # 18074)
- Extended length: 47" (Part # 39491)



### ➤ Upper Connection Module

This extension cable allows the connection of power supply and serial communication to personal computers or CEIA accessories, such as RCU-2. Part # 46650

### ➤ RRU

Remote relay unit (RRU) to repeat the detection alarms of the gate through a relay contact. The RRU module can be used for integration of the Metal Detector in interlocked door systems. Part # RRU

### ➤ IP67 Mains Power Supply

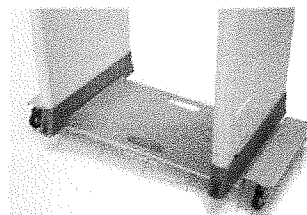
100W IP67 power supply for heavy duty applications. Vandal resistant. It is provided with flanges for simple installation. Part # 62697



### ➤ Stainless Steel Deck Dolly

FOR LOCAL MOVING OF THE PANEL METAL DETECTOR GATE

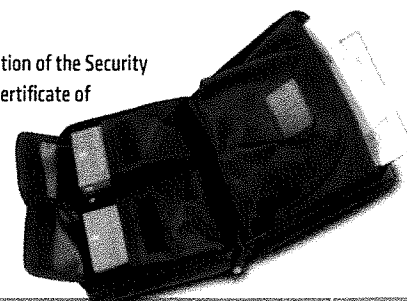
- Robust construction in AISI 316L stainless steel
- Rubber-covered castor-type wheels for easy movement
- Incorporated handles for transport (available only for 28.3" useful passage width: part # 50789)



### ➤ Test Samples Kit

Reference Samples for accurate verification of the Security Level. Includes guided procedures and certificate of calibration.

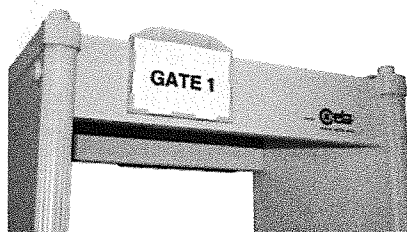
- Part # EMD-SK-GAL
- Part # EMD-SK-GDML



### ➤ ID-Holder

This accessory is designed to be hung on a crossbar of the archway, either at the entrance or the exit side. It can hold, for instance, a notice or an ID number for waiting people or for the screener.

Part # 54095



# HI-PE Plus Enhanced Multi-Zone Metal Detector

## Specifications

KEY FEATURES	Wide range of threat detection from guns to 1/2 cutter blade	Automatic Environmental Noise Compensation (ENA)
	Excellent discrimination of personal metal effects	Met-Identity technology identifies and signals the metal type in real time
	60 localization zones (20 vertical x 3 lateral) with left, center and right indication	High precision bidirectional counter with automatic rescreening compensation
	One touch automatic self installation (OTS)	Chip Card capability for fast, simple, and secure programming
	Automatic Operational Functional Verification (OFV)	Random alarm capability programmable from 0% to 100%
	Automatic Vibration Compensation (AVS,EVA)	Exceptional Immunity to external interferences
	Automatic Channel Search (CS)	Powered by safe low voltage DC
	Automatic Floor Gain Adjustment (FGA)	Standard Interfaces: RS-232, Bluetooth, Infrared
	Automatic Technical Functional Verification (TFV)	Other available interfaces: Wi-Fi, Ethernet, USB
QUALITY	Continuous self diagnostic system	
	Proven reliability	
	No periodic re-calibration and preventive maintenance required	
	No scheduled maintenance	
	Fully digital design	
	State-of-the-art, robust and washable panels	
WALK-THROUGH GATE STRUCTURE	Protected against aging, weather and wear	
CENTRAL CONTROL UNIT	Ergonomic and robust design	
	High visibility alphanumeric display and programming keyboard	
	Made of advanced plastics or stainless steel and anti-vandalism construction (option)	
	Access to the front panel protected by hardware key and 3 levels of passwords	
ALARM SIGNALING	VISUAL SIGNALS	Multi-zone display bar for "height on person" localization
		4 light bars with selectable entry/exit and pacing indication
		Green and red metering signals proportional to the mass of the detected target
	AUDIO SIGNALS	10 selectable continuous and pulsed tone plus 34 special tones
		10 selectable sound intensities ranging from 0 to 90 dBa at 1m
TYPE OF SIGNALING	VISUAL	Fixed or proportional to the mass in transit - visible from 6m under lighting of 4000lux
	VISUAL ZONE INDICATION	60 distinct zones (20 vertical x 3 lateral) entry and exit side
PROGRAMMING	Up to 50 built-in security programs (up to 30 International Standards, up to 20 Customizable Levels)	
	Remote via RS-232, Infrared Remote Control Unit, Bluetooth or Ethernet 10/100 base T (option) interface	
	SECURITY LEVEL	International Standard (IS) command
		Chip card
	Local by Control Unit alphanumeric display and keyboard	
	Programming and chip card access protected by user and super-user passwords	
OPERATIONAL FEATURES	Very high discrimination and transit flow rates five or more times greater than other metal detection systems	
	Quick reset time as short as 0.2 seconds for high throughput rate	
	Very high detection speed (up to 50 ft/sec.)	
	Built-in operational functional verification	
	One-touch key reading of inbound, outbound and Security Level Data	
	Automatic synchronisation between two or more metal detectors with distance of down to 2" (5 cm) without the use of external cables	
INSTALLATION DATA	Automatic Installation function (OTS)	

## Environmental Data

- POWER SUPPLY: 100...240V~ -10/+15%, 47...63Hz, 40 VA max
- OPERATING TEMPERATURE: -4°F to 158°F (-35°F to 158°F upon request)
- STORAGE TEMPERATURE: -35°F to 158°F
- RELATIVE HUMIDITY: 0 to 95% (without condensation)

## Certification and Compliance

- Compliant with and certified to the applicable Standards for Enhanced Metal Detectors
- Compliant with the applicable electromagnetic Standards on Human Exposure and Pacemaker Safety
- Compliant with all Airport Security Standards worldwide
- Compliant with applicable International Standards for electrical safety and EMC
- Harmless to magnetic media (CDs, tapes, etc.)

## Comprehensive support

CEIA USA PROVIDES FULL OPERATIONAL AND TECHNICAL TRAINING SUPPORT BY CERTIFIED PERSONNEL EITHER AT CEIA USA FACILITY OR AT CUSTOMER PREMISES

- phone technical support
- in-house and on-site repair/services
- standard and custom training



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PAY \*\*\*\*\*TEN THOUSAND DOLLARS\*\*\*\*\*

TO THE ORDER OF \*\*\*\*\*JEFFERSON PARISH PURCHASING DEPARTMENT\*\*\*\*\*

\*\*\$10,000.00\*\*

NAME OF REMITTER  
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BID NUMBER 50-00119357  
Citibank, N.A. One Penn's Way  
New Castle, DE 19720

Drawer: Citibank, N.A.

BY  
AUTHORIZED SIGNATURE

MP

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