XRC® TROLLEY SCANNER

XRC® ACS-SVP

The XRC® ACS-SVP is a one of a kind x-ray screening system purpose built for airline food trolleys. Engineered from the ground up, it features a unique detector array that enables complete inspection of trolley contents using an economical dual energy, single view design. Like all systems in the XRC® product line, it delivers high quality imaging, advanced image enhancement, and robust post processing features for exceptional clarity and threat detection. Custom engineered automatic doors replace traditional lead curtains, streamlining the loading process and enabling efficient screening of up to three trolleys per minute.

TECHNICAL DATA **XRC® ACS-SVP**

PHYSICAL PROPERTIES

Tunnel Size	: 470 mm x 1530 mm
(W x H)	: 18,50 in x 60,24 in
Dimensions	: 6280 mm x 1740 mm x1950 mm
(L x W x H)	: 247,25 in x 68,50 in x76,77 in
Approx. Weight Unpacked	: ~1600 kg (3527 lbs.)
Conveyor Height	: 260 mm (10,24 in)
Max Object Size	: 410 mm x 1480 mm
Conveyor Load Capacity	: 200 kg (441 lbs.) Evenly Distributed
System Power	: 120/220V AC ± 10% 50/60 Hz, 10A / 5A max.
Conveyor Speed	: 0,20 m/sec. Forward or Reverse - 3 Trolleys per minute

CRATED SHIPPING DIMENSIONS

PL – TOTAL	: 2 Crates / GW : 1750kg (3858 lbs.)
Dimensions	: 3900 mm x 2000 mm x 2450 mm / 1500kg (3307 lbs.)
(L x W x H)	: 153,54 in x 78,74 in x 96,45 in
Dimensions	: 1700 mm x 1000 mm x 930 mm / 250kg (551 lbs.)
(L x W x H)	: 66,93 in x 39,37 in x 36,61 in

X-RAY GENERATOR & IMAGE PERFORMANCE

Steel Penetration [1]	: 35 mm guaranteed; 38 mm typical
Wire Resolution [1]	: 38 AWG guaranteed; 40 AWG typical
Anode Voltage	: 180kV, operating at 160kV
Tube Current	: 1,0 mA
Beam Direction	: Horizontally Sideward
Article Separation	: Low Z, Medium Z, High Z to 0,5 Z Accuracy Organic, InOrganic, Metallic
Cooling	: Oil and forced air cooling

COMPUTER SPECIFICATIONS

Processor	: Intel® Core™ i5 (or superior)
Monitor	: 21,5" Flat LCD (or superior)
Memory	: 4 GB RAM (or superior)
Video Card	: 2 GB (or superior)
Hard Drive	: 1 TB (or superior)
USB Port	: 6 port (or superior)
Operating System	: Linux

OPERATING ENVIRONMENT

Storage / Operating Temperature : -20°C to 50°C / 0°C to 40°C
(-4°F to 122°F / 32°F to 104°F)
Relative Humidity : 0% to 95% non-condensing
Duty Cycle 100% (24 Hours), No warm-up required

HEALTH AND SAFETY

All X-Ray Center Ltd products meet all applicable international health and safety regulati
US FDA Federal Standard 21CFR 1020.40
Health and Safety at Work Act 1974-compliant 6 : Available

Film Safety	: ISO 1600 / 33 DIN
CE Compliance	: Certified
FCC & IEC Compatibility	: Available
IP 20 Safety	: Certified

Maximum level of radiation the exterior panels come in contact with is 0.1 mR/hour

OPTIONAL FEATURES

Barcode Reader System
External Camera Archiving
Remote Viewing Station
Recheck Station
Network Supervisory System (NSS)
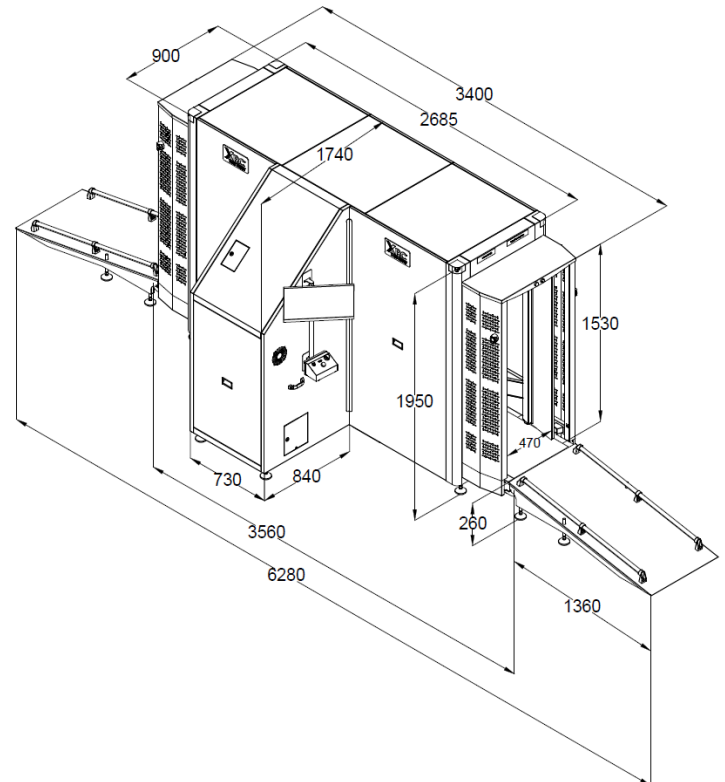Remote Access Connection
Smart Card Login

OPTIONAL ACCESSORIES

External UPS (For system)
Operator Console (Open-Closed/Adjustable/I-stand)
21,5''- 27'' Flat Monitor
Ultrasonic Rat Repellent
Radiation Meter

STANDARD IMAGE PROCESSING FEATURES

Perfect View (Detail Enhancement) (PV)
Edge Enhancement (EE)
Pseudo Color (PS)
Organic Materials (OM)
Inorganic Materials (IM)
Black & White (B/W)
Inverse Colors (IN)
High Penetration (HP)
Variable Edge Enhancement (+E –E)
Variable Density (+D –D)
Variable Gamma (+G –G)
Variable Color Separation (+C –C)
Zoom (64x)
Sniper Zoom
Recall Previous Images
Manual/Automatic Archive
Annotated Archive
Multi Energy Viewer (4 – 6 Color)
Atomic Number Display (Z Value)

STANDARD FEATURES

Programmable Function Keys
Trolley Counter
Date and Time Display
Virtual Threat Image Projection (TIP)
Organic/Inorganic Threat Alarm
Operator Training Program (OTP)
UPS (For Computer Supply)
Multi Languages
Self Diagnosis
Generator Timer
Automatic Stop Conveyor
Bi-Directional Scanning
Emergency Stop Buttons

[1]As tested on X-Ray Center Ltd. test piece. Conveyor speed is 0.20 m/sec.

Due to continuous product development, X-Ray Center reserves the right to change specifications without notice.

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