

# XRC<sup>®</sup> TROLLEY SCANNER

## XRC<sup>®</sup>-ACS-SVP



The XRC<sup>®</sup>-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<sup>®</sup> 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 1950 mm x 1740 mm
(L x H x W)	: 247,25 in x 76,77 in x 68,50 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 $\pm$ 10% 50/60 Hz, 10A / 5A max.
Conveyor Speed	: 0,20 m/sec. Forward or Reverse - 3 Trolleys per minute

### X-RAY GENERATOR & IMAGE PERFORMANCE

Steel Penetration <sup>1</sup>	: 35 mm guaranteed; 38 mm typical
Wire Resolution <sup>1</sup>	: 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 regulations.  
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

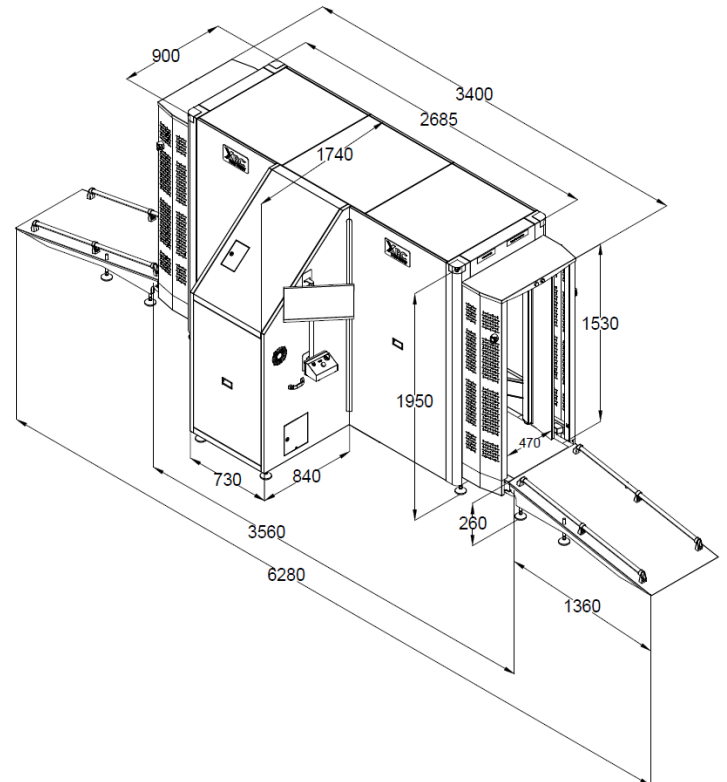
External UPS (For system)  
Operator Console (Open-Closed/Adjustable/I-stand)  
21,5"-27" Flat Monitor  
Ultrasonic Rat Repellent  
Radiation Meter

### 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



<sup>1</sup>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.

