

PALLET & CARGO
X-RAY IMAGING SYSTEM

XRC 180-180 (200kV)



XRC 180-180 x-ray baggage scanner facilitates the operators use thanks to the various image processing functions, hazard alarm, advanced computer technology and the best in class software and provides excellent performance thanks to its **200kV** generator. It makes it extraordinarily easy to detect threats such as cutting tools, explosive narcotics and reduces the rate of error.

Thanks to its multi-diode structure and quality in imaging of scanned materials, image is colored based on density and shows organic, inorganic and mixed materials in different tones.

It is an efficient and a powerful device for scanning medium and large packages on a pallet. Institutions ensure that packages are inspected in places where inspection is required this x-ray device is one of the most suitable solutions for use in high security facilities such as freight companies, terminals, airports, customs and general cargo.

TECHNICAL DATA XRC 180-180 (200kV)

PHYSICAL PROPERTIES

Tunnel Size (W x H)	: 1825 mm x 1810 mm
Dimensions (L x H x W)	: 8100 mm x 2315 mm x 2775 mm
Approx. Weight Unpacked	: ~5800 kg (12787 lbs.)
Conveyor Height	: 290 mm (11,42 in)
Conveyor Load Capacity	: 3000 kg (6614 lbs.) Evenly Distributed
System Power	: 110/220V AC ± 10% 50/60 Hz , 10A/5A max.
Conveyor Speed	: 0,20 m/sec. Forward or Reverse

X-RAY GENERATOR & IMAGE PERFORMANCE

Steel Penetration ¹	: 50 mm guaranteed; 52 mm typical
Wire Resolution ¹	: 36 AWG guaranteed; 38 AWG typical
Anode Voltage	: 200kV, operating at 200kV
Tube Current	: 1,2 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

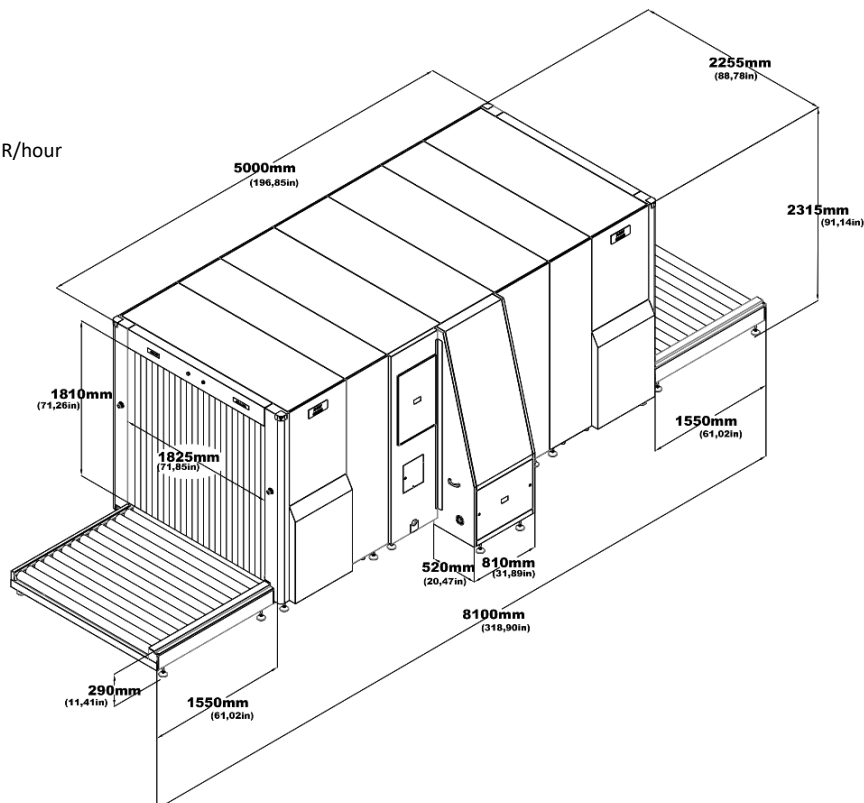
External UPS (For system)
 Operator Console (Open-Closed/Adjustable/I-stand)
 21,5"- 27" Flat Monitor
 Input / Output Rollers
 Test Kit (STP/ASTM)
 Protective Cover
 Search Table
 Tray Return System (Motorized/Gravity)
 Inclined Conveyor
 Ultrasonic Rat Repellent
 Radiation Meter

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
 Parcel 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



¹As 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.

