

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             | : 1825 mm x 1810 mm                           |
| (W x H)                 | : 71,85 in x 71,26 in                         |
| Dimensions              | : 8100 mm x 2315 mm x 2775 mm                 |
| (L x H x W)             | : 318,90 in x 91,14 in x 109,25 in            |
| 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 $\pm$ 10% 50/60 Hz , 10amp max. |
| Conveyor Speed          | : 0,20 m/sec. Forward or Reverse              |

## X-RAY GENERATOR & IMAGE PERFORMANCE

|                                |   |
|--------------------------------|---|
| Steel Penetration <sup>1</sup> | : 50 mm guaranteed; 52 mm typical           |
| Wire Resolution <sup>1</sup>   | : 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 |
| Cooling                        | : Oil and forced air cooling                |

## COMPUTER SPECIFICATIONS

|                  |                                 |
|------------------|---------------------------------|
| Processor        | : Intel® Core™ i5 (or superior) |
| Monitor          | : 21,5" Flat (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<br>(-4°F to 122°F / 32°F to 104°F) |
| Relative Humidity               | : 10% to 90% non-condensing                                      |

## 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

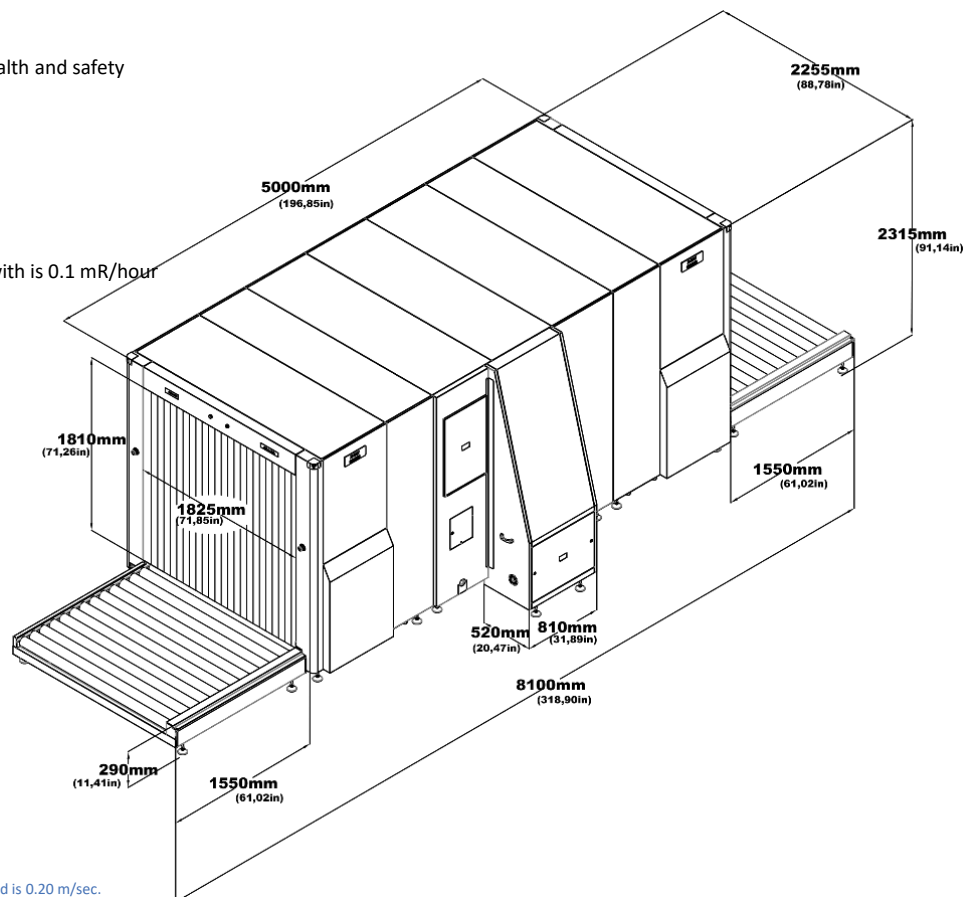
- External UPS (For system)
- Operator Console (Open-Closed/Adjustable/I-stand)
- 21,5"- 27" Flat Monitor
- Input / Output Rollers
- Test Kit (STP/ASTM)
- Protective Cover
- Search Table
- Tray Return System (Motorized/Gravity)
- Inclined Conveyor
- Ultrasonic Rat Repellent
- Radiation Meter

## 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



<sup>1</sup>As tested on X-Ray Center Ltd. test piece. Conveyor speed is 0.20 m/sec.

Products certified as TSA, ECAC and so on are available as an option. Please inquire from your dealer.

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

