

SMALL PARCEL & BAGGAGE  
X-RAY IMAGING SYSTEM

# XRC 50-30P



**XRC 50-30P** x-ray device facilitates the operators use thanks to the various image processing functions, hazard alarm, advanced computer technology and the best in class software. It provides exceptional ease in detecting threats such as cutting tools, explosives narcotics and minimizes the error rate and offers unique image quality by showing the scanned organic, inorganic and mixed items in different colors thanks to its multi-diode structure and quality in imaging of scanned objects.

It is a preferred model for locations with limited operating space and it is an efficient and a powerful device for scanning small handbags, packages parcels and cabin baggage in detail. It provides the ideal solution for locations where security screening is required like courts, police departments, offices, shopping malls, prisons and hotels.

# TECHNICAL DATA XRC 50-30P

## PHYSICAL PROPERTIES

Tunnel Size	: 530 mm x 330 mm
(W x H)	: 20,86 in x 12,99 in
Dimensions	: 1265 mm x 1150 mm x 760 mm
(L x H x W)	: 49,80 in x 45,27 in x 29,92 in
Approx. Weight Unpacked	: ~380 kg (838 lbs.)
Conveyor Height*	: 700 mm (27,55 in)
Conveyor Load Capacity	: 165 kg (364 lbs.) Evenly Distributed
System Power	: 110/220V AC ± 10% 50/60 Hz, 6A/3A
Conveyor Speed	: 0,20 m/sec. Forward or Reverse

## X-RAY GENERATOR & IMAGE PERFORMANCE

Steel Penetration <sup>1</sup>	: 38 mm guaranteed; 39 mm typical
Wire Resolution <sup>1</sup>	: 38 AWG guaranteed; 40 AWG typical
Anode Voltage	: 170kV, operating at 147kV
Tube Current	: 0,7 mA
Beam Direction	: Vertically upward
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	

## 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
- Bi-Directional Scanning
- Automatic Stop Conveyor
- Emergency stop buttons

## OPTIONAL FEATURES

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

## HEALTH AND SAFETY

All X-Ray Center Ltd products meet all applicable international health and safety regulations.

Safety Interlock Switches: To protect against radiation hazards In case of opening the sensitive lids of the machine, there are Safety Interlock Switches to prevent radiation leakage.

Made of strong materials and durable to scratch and rust.

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

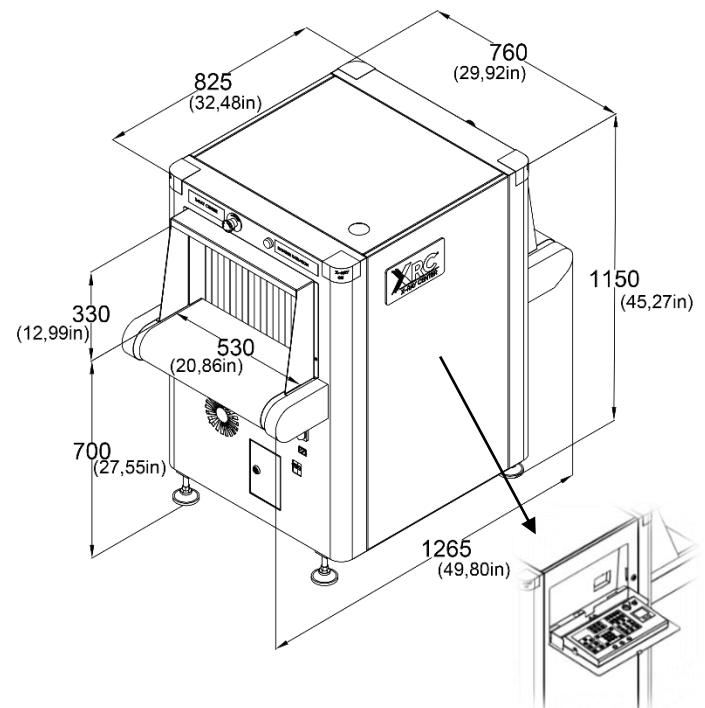
Maximum level of radiation the exterior panels come in contact with is 0.1 mR/hour

## 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 (100,000 or superior)
- Manual/Automatic Archive (100,000 or superior)
- Annotated Archive
- Multi Energy Viewer (4 – 6 Color)
- Atomic Number Display (Z Value)

## 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



The keyboard can be produced optionally as integrated into the device.

<sup>1</sup>As tested on X-Ray Center Ltd. test piece. Conveyor speed is 0.20 m/sec. \*Level adjusting feet.  
Due to continuous product development, X-Ray Center reserves the right to change specifications without notice.

