

SMALL PARCEL & BAGGAGE  
X-RAY IMAGING SYSTEM

# XRC 50-30 (100kV)



With the help of 100kV generator power, this model 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. XRC 50-30 enables easy identification of potentially threatening objects such as cutting tools, explosives narcotics and minimizes the error rate. Thanks to its multi diode structure and quality in imaging of scanned objects, image is colored based on density and shows organic, inorganic and mixed materials in different tones.

**XRC 50-30** is a preferred model for locations with limited operating space. It is designed with the latest technology to scan small handbags, packages, parcels and cabin baggage in detail. It is an efficient and a powerful x-ray scanning device that allows inspection in courts, police departments, offices, shopping malls, prisons and hotels.

# TECHNICAL DATA XRC 50-30 (100kV)

## PHYSICAL PROPERTIES

Tunnel Size	: 550 mm x 350 mm
(W x H)	: 21,65 in x 13,78 in
Dimensions	: 1700 mm x 810 mm x 1200 mm
(L x W x H)	: 66,93 in x 31,89 in x 47,24 in
Approx. Weight Unpacked	: ~375 kg (827 lbs.)
Conveyor Height	: 730mm (28,74 in)
Conveyor Load Capacity	: 165 kg (364 lbs.) Evenly Distributed
System Power	: 110/220V AC $\pm$ 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>	: 10 mm guaranteed; 12 mm typical
Wire Resolution <sup>1</sup>	: 38 AWG guaranteed; 40 AWG typical
Anode Voltage	: 100kV, operating at 80kV
Tube Current	: 0,5 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

## 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

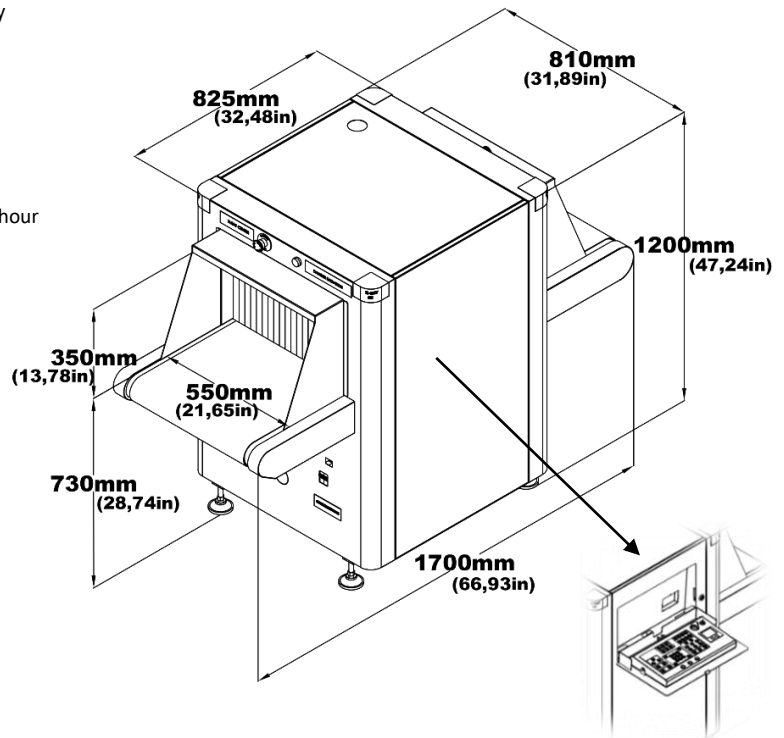
External UPS (For system)  
Operator Console (Open-Closed/Adjustable/I-stand)  
21,5"- 27" Flat Monitor  
Input / Output Rollers  
Test Kit (STP/ASTM)  
Protective Cover  
Search Table  
Tray Return System (Motorized/Gravity)  
Inclined Conveyor  
Ultrasonic Rat Repellent  
Radiation Meter

## 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



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.

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

