

SMALL PARCEL & BAGGAGE
X-RAY IMAGING SYSTEM

XRC 50-30 (170kV)



XRC 50-30 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 50-30 (170kV)

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	: ~415 kg (915 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 ¹	: 38 mm guaranteed; 39 mm typical
Wire Resolution ¹	: 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 Monitor
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

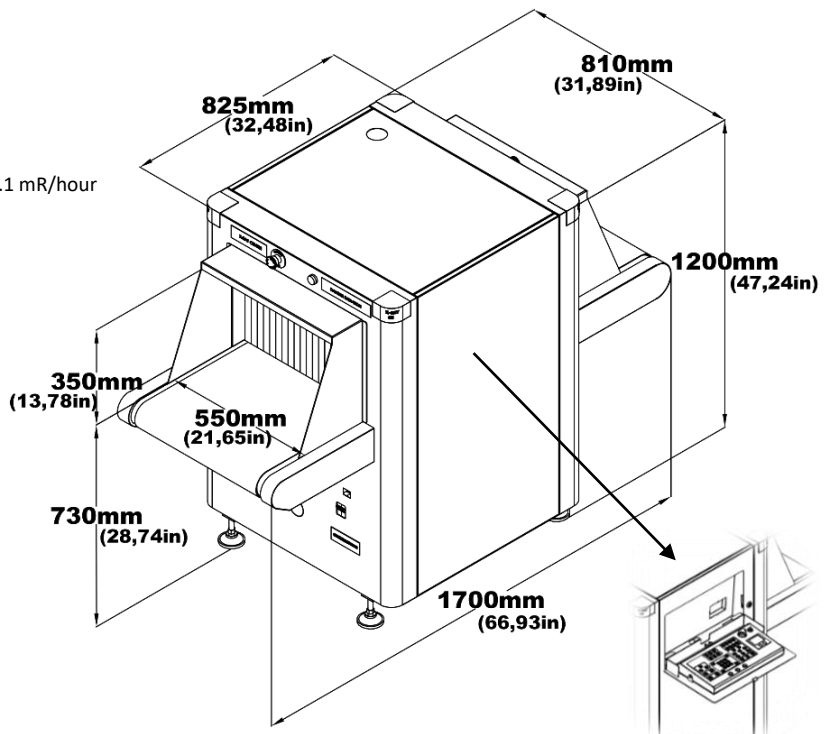
External UPS (For system)
Operator Console (Open-Closed/Adjustable/I-stand)
21,5" - 27" Flat Monitor
Input / Output Rollers
Test Kit (STP/ASTM)
Protective Cover
Search Table
Tray Return System (Motorized/Gravity)
Inclined Conveyor
Ultrasonic Rat Repellent
Radiation Meter

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.

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.

