SMALL PARCEL & BAGGAGE

X-RAY IMAGING SYSTEM

XRC 50-30LCT (100kV)

The XRC 50-30LCT is a mobile, compact and light-weight x-ray baggage scanner with a 100kV x-ray generator. The XRC 50-30LCT has rollers that fold up and handles that make it easy to roll the scanner from one location to another on its low friction wheels. The scanner comes equipped with various image processing functions, a hazard alarm, advanced computer technology, and best-in-class software. It is designed to make it easy for operators to identify potentially threatening objects such as cutting tools, explosives, and narcotics. These features help to minimize the error rate and ensure efficient and effective security screening. Its multi-diode structure and high-quality imaging produce a coloured image that reflects the density of the scanned objects, displaying organic, inorganic, and mixed materials in different shades.

The XRC 50-30LCT is a mobile, compact, and lightweight scanner that is ideal for use in locations with limited working space. This scanner is equipped with the latest technology and can provide detailed scans of small handbags, packages, parcels, and cabin baggage. The x-ray baggage scanner has a built in touch-screen monitor that folds down when not in use. The scanner is designed with operators' standing operation ergonomics in mind and utilizes a built in touchscreen monitor that folds down when not in use. It is efficient and powerful, and can be used for inspection in various locations such as courts, police departments, offices, shopping malls, prisons, hotels and anywhere that space is at a premium or where the scanner must be used in multiple locations and needs to be mobile.

TECHNICAL DATA **XRC 50-30LCT (100kV)**

PHYSICAL PROPERTIES

Tunnel Size	: 532 mm x 332 mm
(W x H)	: 20,94 in x 13 in
Dimensions	: 2300 mm x 1300 mm x 770 mm
(L x H x W)	: 90,55 in x 51,18 in x 30,31 in
Approx. Weight Unpacked	: ~450 kg (990 lbs.)
Conveyor Height	: 615mm (24,20 in)
Conveyor Load Capacity	: 165 kg (364 lbs.) Evenly Distributed
System Power	: 110/220V AC ± 10% 50/60 Hz
Conveyor Speed	: 0,20 m/sec. Forward or Reverse

X-RAY GENERATOR & IMAGE PERFORMANCE

Steel Penetration [1]	: 14 mm guaranteed; 16 mm typical
Wire Resolution [1]	: 38 AWG guaranteed; 40 AWG typical
Anode Voltage	: 100kV, operating at 90kV
Tube Current	: 0,5 mA
Beam Direction	: Vertically downward
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 Touchscreen
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	: 5% to 95% 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

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

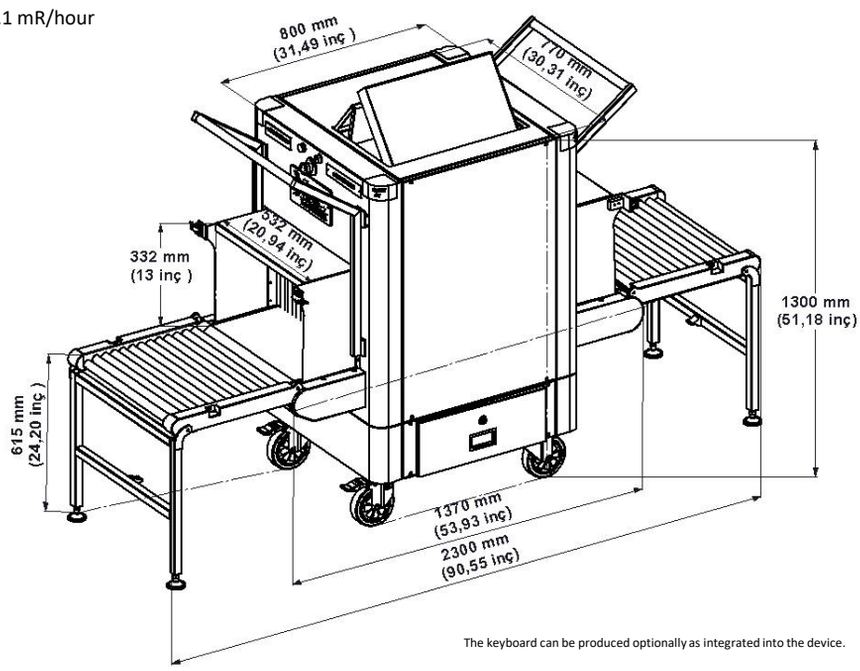
External UPS (For system)
Test Kit (STP/ASTM)
Protective Cover
Search Table
Tray Return System (Motorized/Gravity)
Inclined Conveyor
Ultrasonic Rat Repellent
Radiation Meter

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
Foldable Stainless Steel Rollers
Heavy Duty Caster Wheels



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

[1]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.

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