

SMALL PARCEL & BAGGAGE X-RAY IMAGING SYSTEM

XRC 50-30LCT (100kV)



XRC 50-30LCT – Compact, Mobile X-Ray Scanner for Tight Spaces

The **XRC 50-30LCT** is a compact and lightweight x-ray baggage scanner designed for environments where space is limited. Equipped with a 100kV x-ray generator, it delivers high-resolution imaging to effectively detect potential threats such as weapons, explosives, and narcotics.

Key Features:

Mobility and Compact Design: Weighing approximately 400 kg (882 lbs) and featuring foldable stainless steel rollers and integrated handles, the XRC 50-30LCT is easy to maneuver and ideal for locations requiring flexible deployment.

Advanced Imaging Technology: Utilizing a multi-diode structure, the scanner produces color-coded images that differentiate between organic, inorganic, and mixed materials based on density, enhancing threat detection capabilities.

User-Friendly Interface: A built-in touchscreen monitor provides intuitive operation and folds down when not in use, optimizing space and ensuring ergonomic use for operators.

Software and Language Support: The system runs on upgradable Linux-based software and offers multilingual support, catering to diverse operational requirements.

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 | : ~400 kg (882 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, 6A/3A |
| Conveyor Speed | : 0,20 m/sec. Forward or Reverse |

X-RAY GENERATOR & IMAGE PERFORMANCE

| | |
|--------------------------------|--|
| Steel Penetration ¹ | : 10 mm guaranteed; 12 mm typical |
| Wire Resolution ¹ | : 38 AWG guaranteed; 40 AWG typical |
| Anode Voltage | : 100kV, operating at 80kV |
| Tube Current | : 0,5 mA |
| Beam Direction | : Vertically downward |
| 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 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 | : 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
 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

IDEAL APPLICATIONS

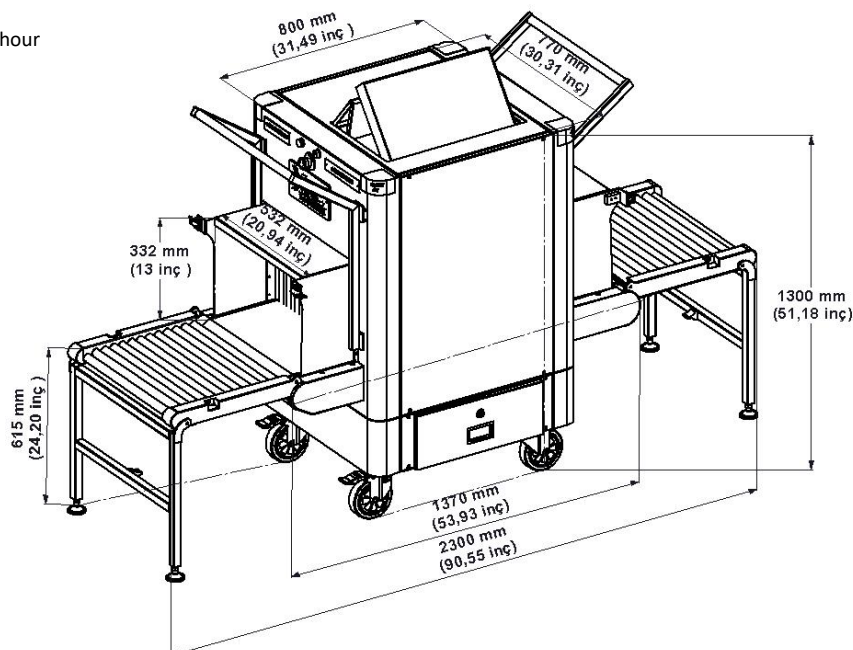
The XRC 50-30LCT is suited for various settings, including:
 Courts and Police Departments
 Government Offices
 Shopping Malls
 Prisons
 Hotels
 Exhibition Centers
 Any location where space is at a premium and mobility is essential

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
- Bi-Directional Scanning
- Emergency Stop Buttons



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.

