

# XRC 100-100LC

## PARCEL & BAGGAGE X-RAY IMAGING SYSTEM

The 100-100LC x-ray scanner with its large tunnel size and low conveyor, comes equipped with various image processing functions, advanced computer technology and the best-in-class software. This model is designed to provide exceptional imagery, enabling the easy detection of threats.

Compliant with  
DFT  
specification



**STAC**  
Approved

**XRC**  
X-RAY CENTER

Supplied & Serviced by  
[www.toddresearch.co.uk](http://www.toddresearch.co.uk)

**Todd Research**  
Detect & Protect

# XRC 100-100LC

## TECHNICAL DATA



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### PHYSICAL PROPERTIES

Tunnel Size	: 1000mm x 1000mm
(W x H)	: 39.37in x 39.37in
Dimensions	: 3340mm x 1865mm x 1410mm
(LxHxW)	: 131.50in x 73.43in x 55.51in
Approx. Weight Unpacked	: 1020kg (2249lbs.)
Conveyor Height	: 335mm (13.19in)
Conveyor Load Capacity	: 200kg (441lbs.) Evenly Distributed
System Power	: 110/220V AC $\pm$ 10%50/60 Hz, 5amp max.
Conveyor Speed	: 0.20 m/sec. Forward or Reverse

### X-RAY GENERATOR & IMAGE PERFORMANCE

Steel Penetration	: 35mm guaranteed; 37mm typical
1 Wire Resolution	: 36 AWG guaranteed; 38 AWG typical
1 Anode Voltage	: 180kV, operating at 165kV
Tube Current	: 1.0 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(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	: 10% to 90% non-condensing

### HEALTH AND SAFETY

All products supplied by Todd Research Ltd 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 EXTRAS

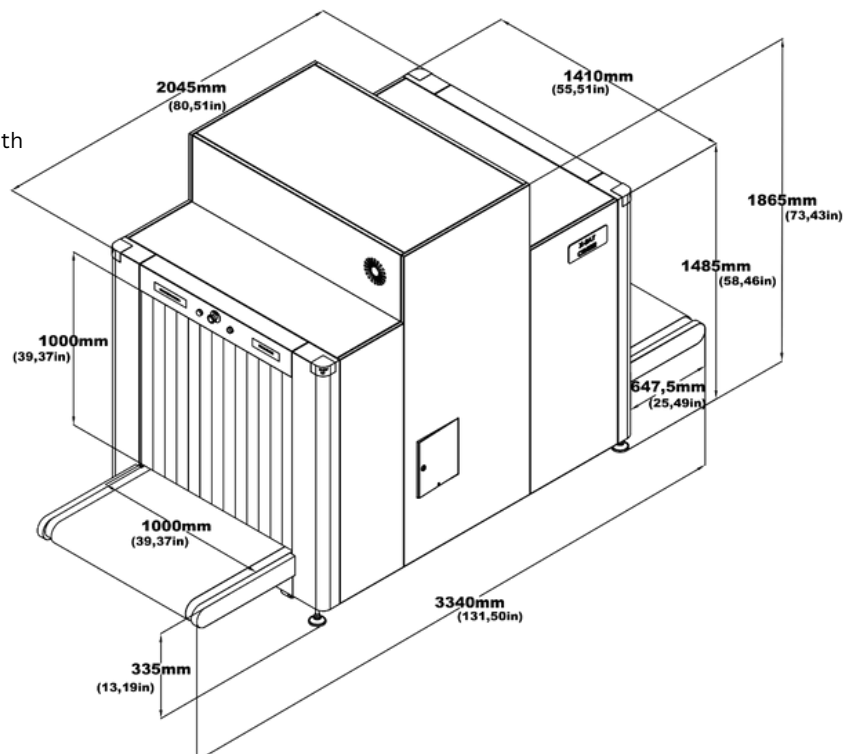
External UPS (For system)  
Operator Console (Open-Closed/Adjustable/I-stand)  
21.5"-27" Flat Monitor  
Input/output Rollers  
Test Kit (STP/ASTM)  
Protective Cover  
Search Table  
Tray Return System (Motorized/Gravity)  
Inclined Conveyor  
Ultrasonic Rat Repellent  
Radiation Meter  
Virtual Threat Image Projection (TIP)  
Threat Alarm

### STANDARD IMAGE PROCESSING FEATURES

Perfect View (Detail Enhancement) (PV)  
Edge Enhancement (EE)  
Pseudo Colour (PS)  
Organic Materials (OM)  
Inorganic Materials (IM)  
Black & White (B/W)  
Inverse Colours (IN)  
High Penetration (HP)  
Variable Edge Enhancement (+E -E)  
Variable Density (+D -D)  
Variable Gamma (+G -G)  
Variable Colour Separation (+C -C)  
Zoom (64x)  
Sniper Zoom  
Recall Previous Images  
Manual/Automatic Archive  
Annotated Archive  
Multi Energy Viewer (4 -6 Colour)  
Atomic Number Display (Z Value)

### STANDARD FEATURES

Programmable Function Keys  
Parcel Counter  
Date and Time Display  
Operator Training Program (OTP)  
UPS (For Computer Supply)  
Multi Languages  
Self Diagnosis  
Generator Timer  
Automatic Stop Conveyor



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