XRC 180-180
X-RAY CONTROL SYSTEM

PALLET AND CARGO

SecurSCAN XRC 150-165 is a large X-ray security system, specific for scanning **pallets of goods** and **packaging,** even **very heavy** ones. It allows the identification of **organic and inorganic materials** including **counterfeit objects**, **contraband**, **weapons** of all kinds, artisanal and conventional **explosive devices (IED), liquid, solid, powdered drugs**.

The nature of the materials that make up the scanned objects is represented by a predetermined color code:

organic materials in **orange**, **metallic** materials in **blue**, **inorganic** materials in **green** and **non-penetrable materials in black**.

The representation of the baggage is **without shadow areas,** and it is possible to automatically signal in real time (with a moving belt) the presence of **dangerous objects** (guns, knives, hacksaws, etc.) with a settable threshold.

PHYSICAL PROPERTIES

Tunnel Dimensions:	182.5 x 181 cm. (WxH)
Overall Size:	810x277.5x213.5 cm. (WxLxH)
Total Weight:	5.800 kg.
Conveyor Height:	29 cm.
Conveyor Load Capacity:	3.000 kg. Evenly Distributed
Conveyor Speed:	0,20 mt/sec.
System Power:	230VAC +/- 10% / 60-50 Hz

STANDARD FEATURES

Programmable Function Keys
Parcel Counter
Date and Time Display
Virtual Threat Image Projection (TIP)
Organic/Inorganic Threat Alarm
Operator Training Program (OTP)
Self Diagnosis
Generator Timer
Automatic Stop Conveyor

MAIN FIELDS OF APPLICATION

XRC 180-180 is suitable for the meticulous control of pallets of goods and heavy packaging, not exceeding cm. 180x180, in areas with high freight traffic such as:

- Customs
- Logistic Warehouses
- Depot and Storage Centers
- Goods sorting centers
- Airports and Terminals

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X-RAY GENERATOR & IMAGE PERFORMANCE

Steel Penetration:	50 mm guaranteed; 52 mm typical
Wire Resolution:	36 AWG guaranteed; 38 AWG typical
Anode Voltage:	200 kV, operating at 200 kV
Tube Current:	1,2 mA
Beam Direction:	Vertically upward
Cooling:	Oil and forced air cooling

COMPUTER SPECIFICATIONS

Processor:	Intel Core i5 (or superior)
Monitor:	color 24" LED
Memory:	4GB RAM min.
Video Card:	2GB min.
Hard Drive:	1TB min.
USB Port:	6 ports min.
Operating System:	Linux

OPERATING ENVIRONMENT

Operating Temperature:	-20° > 50° C
Storage Temperature:	-20° > 50° C
Relative Umidity:	10% > 90% non condensing

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

HEALTH AND SAFETY

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All SecurSCAN X-Ray 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

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)

OPTIONAL FEATURES

Barcode Reader System
External Camera Archiving
Remote Viewing Station
Recheck Station
Network Supervisory System (NSS)
Remote Access Connection
Smart Card Login