XRC 180-180DV (200kV)

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TRANSMISSION X-RAY TECHNOLOGY

TSA Approved — STAC Approved

The **180-180DV** x-Ray scanner, certified by the American Transportation Security Administration's (TSA) ACSTL, delivers outstanding performance due to its potent 200kV generator and the incorporation of dual view (DV) technology. This device, with its two-generator sources, delivers high-resolution imaging in both horizontal and vertical planes. This functionality allows for images to be generated in a single scan without requiring repositioning of the packages, leading to more efficient and quicker detection of concealed objects in luggage.

The scanner further enhances user experience through various image processing functions, a hazard alarm, state-of-the-art computer technology, and top-tier software. It demonstrates superior effectiveness in threat detection, including cutting tools, explosives, and narcotics, while significantly reducing the error rate. The device's multi-diode structure enables it to exhibit scanned organic, inorganic, and mixed items in distinctive colors, providing unparalleled image quality and clarity.

Designed with the latest technology, the 180-180DV x-ray scanner can meticulously scan medium to large packages on a pallet. It presents the perfect solution for high-security facilities requiring thorough security screening, such as freight companies, terminals, airports, customs, and general cargo.

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

OPTIONAL FEATURES

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

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For more information contact us directly at:

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TECHNICAL SPECIFICATIONS

TUNNEL SIZE	1,820 mm x 1,810 mm
DIMENSIONS	8,580 mm x 3,015 mm x 2,785 mm
APPROX. WEIGHT UNPACKED	~6800 kg
CONVEYOR HEIGHT	385 mm
CONVEYOR LOAD CAPACITY	3000 kg evenly distributed
SYSTEM POWER	110/220V AC ± 10% 50/60 Hz, 12amp max.
CONVEYOR SPEED	0.20 m/sec. forward or reverse
STEEL PENETRATION [1]	50 mm guaranteed; 52 mm typical
WIRE RESOLUTION 1	36 AWG guaranteed; 38 AWG typical
ANODE VOLTAGE	200 kV, operating at 200 kV
TUBE CURRENT	1.2 mA
BEAM DIRECTION	1st generator: Vertical upwards 2nd generator: Horizontal sideways
ARTICLE SEPARATION	Low Z, Medium Z, High Z to 0.5 Z Accuracy
COOLING	Oil and forced air cooling

COMPUTER SPECIFICATIONS

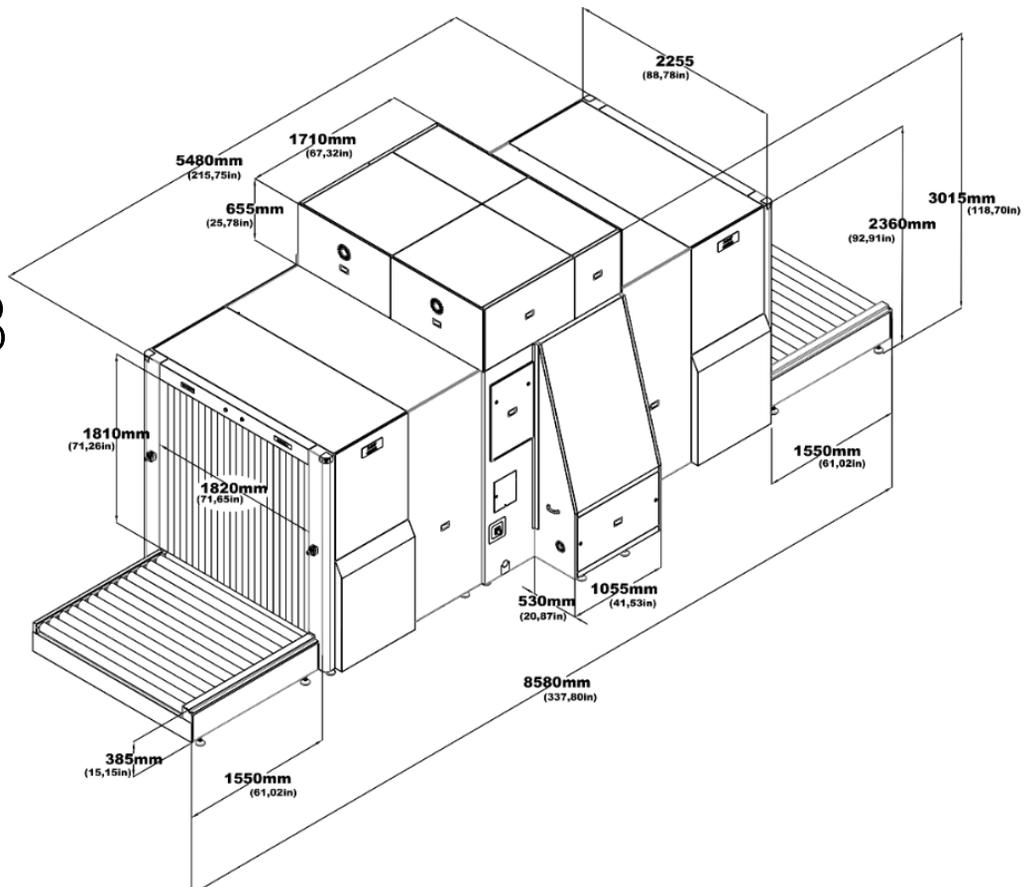|	
PROCESSOR	Intel® Core™ i5 (or superior)
MONITOR	21.5" Flat (or superior)
MEMORY	4 GB RAM (or superior)
VIDEO CARD	2 GB (or superior)
HARD DRIVE	1 TB (or superior)
USB PORT	6 port (or superior)
OPERATING SYSTEM	Linux

[1]As tested on unival test piece. Conveyor speed is 0.20 m/sec. Products certified as TSA, ECAC and so on are available as an option. Please inquire from your dealer. Due to continuous product development, X-Ray Center reserves the right to change specifications without notice.

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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)**

CE