

# 150180

## X-RAY INSPECTION



Explosives, Weapons and Contraband

SINGLE SOURCE, MULTI ENERGY



### FEATURES

Fully designed for luggage inspection against weapons, explosives, drugs and all other contraband. Widely used in Airports, Warehouse, Customs, Ports and other important places.

- ◆ Multi-energy, 1,58 high resolution detector, Penetration 48 mm steel
- ◆  $\phi$  0.0787 mm (40 AWG) high- definition image.
- ◆ Ultra low X-Ray leakage, complying with domestic and international safety standarts
- ◆ Double screen joint display, wider view and longer recognition time
- ◆ Hi-spot for image best contrast and HDA to alert dangerous items.
- ◆ Ultra-thin object scanning
- ◆ Modular design, self diagnosis for important parts like X-Ray generator, detection board , light barrier
- ◆ Explosives and Drugs Auto-inspection
- ◆ Scale to make sure image in original shape without distortion
- ◆ Convenient software and humanized hardware, special keyboard, zoom & move by mouse
- ◆ VMS Video Monitoring System (Black- Box)
- ◆ Temperature and humidity monitoring
- ◆ Threat image projection (TIP) optional



150180

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## 150180 TECHNICAL SPECIFICATIONS

### PHYSICAL DETAILS

- ◆ Tunnel Size 1550 mm (W) \* 1820 mm (H)
- ◆ Dimensions 7200\*2420\*2380 mm
- ◆ Weight 3000 kgs net 3200 gross
- ◆ Temperature -20 °C / + 50°C
- ◆ Humidity 95 % non-condensing
- ◆ Power Consumption 1.5 kVA
- ◆ Working Voltage AC 220V (-15%+10%) 50 Hz/60Hz

### INSPECTION PERFORMANCE

- ◆ Resolution 0.0787 mm Metal Wire (40 AWG)
- ◆ Conveyor Speed 0.2 m/s; up to 0.3 m/s
- ◆ Conveyor Max. Load 300 kg (evenly distributed)
- ◆ System Noise <65 dB
- ◆ Image Resolution 1280 x1024 /24 Bits
- ◆ Film Safety ISO 1600 guaranteed
- ◆ Penetration 48 mm Steel

### X-RAY GENERATOR

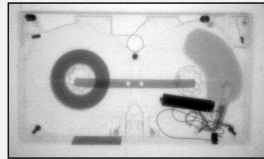
- ◆ X-Ray Tube sealed Oil bath cooling
- ◆ Tube High Voltage 100-160kV (adjustable)
- ◆ Tube Current 0.3 - 1.2 mA (adjustable)
- ◆ Beam Orientation 80° upward
- ◆ Duty Cycle 100%
- ◆ Dose per Exam <2.0 µ Sv

### IMAGE PROCESSING

- ◆ Processing Color/ Black & White
- ◆ Material Classification Organic & Inorganic & Mineral and Mixture . Green/ Mineral: Blue /High density Mat.: black or red
- ◆ Zoom 1-32 times or any zone
- ◆ Display 17" High resolution nonflicker
- ◆ Image Recall 20 screens
- ◆ Image Storage 100.000 images at least

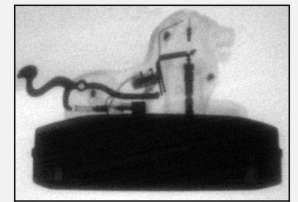
### STANDARD FEATURES

- ◆ Auto-Inspection for drugs and Explosives
- ◆ Hi-Spot for image best contrast
- ◆ Auto-Scale to make sure image in original shape
- ◆ Self-diagnosis for X-Ray generator and Detectors
- ◆ Video Monitoring System
- ◆ Organic & Inorganic Stripping
- ◆ Dual Monitor
- ◆ High & Low Density Stripping
- ◆ Color & Black/White imaging
- ◆ Gray Level Scanning



### ADDITIONAL FEATURES

- ◆ Customized Shortcuts
- ◆ Image Retrieval
- ◆ Package Counter
- ◆ Multi-Level User Management
- ◆ User Report Management
- ◆ Maintenance warning
- ◆ Quick Shutdown
- ◆ Multi-Language
- ◆ System Work Time Counter
- ◆ X-Ray Work Time Counter



### OPTIONAL FEATURES

- ◆ Threat Image Projection (TIP)
- ◆ Energy Saving Device
- ◆ Operator desk
- ◆ Stainless steel conveyor Extensions

### COMPUTER FEATURES

- ◆ AMD A10 7860k 160 Ghz 4 GB RAM (min)
- ◆ 1 terabyte HDD 6 USB port
- ◆ 1024 MB Display card Win 7 Pro

