Switch Key · Power · Working indicator · X-ray indicator

Emergency stop

Expatiation As Listed Below

Communication

Charge indicator

Direction

Mouse touching

Function Shortcut · Running direction · Confirmation

◆ Professional Keyboard:

- **With Emergency button**
- **Radiation display**
- **Three programmable key**
- **Touch pad for friendly operation.**
- **Protection: IP43**

X Ray Screening System, Under Vehicle Scanning System, Explosives and Narcotics Detection,
Liquid Scanner, Walk Through Metal Detectors, Explosive Disposal Device

■ SA150180 is multi-energy x ray security inspection system for cargo scanning. It's powerful to deal with big size luggage at 150cm width, and 180cm height. It provides high resolution and ultra-clear images for easy object identification with the latest technology of computer control and image processing.

■ SA150180 can distinguish organic and inorganic materials by atomic composition of the material. SA150180 can distinguish explosives/drugs and realize Threat Image Project Function through adding different option. The operator can easily identify materials with the following coloring scheme:

<div align="center">

Organic material--orange
Inorganic material--blue
Mixed material--green
High density material--black

</div>

◆ General Specification :

Tunnel Size: 1500mm*1800mm
Conveyor Speed: 0.22m/s
Conveyor height : 350mm
Conveyor Max Load:2000kg
X ray Dose per inspection <2.8μSv
Wire Resolution:38AWG Guarantee, 40 AWG typical
Spatial resolution Level: dia1.3mm,Vertical: dia1.3mm
Penetration: 30 mm steel guarantee,32mm steel typical
Penetration Resolution :32AWG guarantee, 34AWG typical
Film Safety :Guarantee ASA/ISO1600 Film
X-ray Leakage: <0.1μSv/h (at a distance of 5cm From external housing)
Conveyor running direction: bi-direction
Throughput : Typically 720 bags per hour
Operation console: Two monitors 17inch
Mechanical construction: steel construction with steel panels, mounted on roller castors
Standard color: White
Extension roller for entrance and exit: 1.5m**(optional)**

◆ Image System :

Technical Principle: Dual-energy X-ray Imaging;
X-ray Sensor: L-Shaped Photodiode Array **(multi-energetic)**
Monitor: High Resolution Color, LCD Accord, 17inch
Image Display: High resolution of 1024 * 1280 pixel; Image Grey Level: 65536
Image Enhancement: 1-64times enlargement continuity, Color/BW, negative, high/low penetration, organic /inorganic Stripping, general enhancement, and pseudo color, etc.
Image Recall: All preceding images recallable, retrieval.
Help detect Explosives & Narcotics: Explosives & narcotics alarm and highlight according to atomic number7.8.9 signature
High Density Region Alarm: Impenetrable region alarm and highlight, for possible concealing of threats and contrabands

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Threat Image Projection: Inserting fictional, but realistic images of threat items into baggage during screening operation, for maintenance of vigilance, as well as training and assessment of image identification capability

Image Archive: Up to 50,000 images stored automatically, enable transferring to USB disk, and converting to XF、PNG、BMP、JPEG、TIFF、GIF formats

Miscellaneous Functions : Time/date display, counters, user management, system-on/X-ray-on timers, power on self test, built-in diagnostic facilities, dual-direction scanning, system log, system standby etc.

Network Applications: Multiple remote applications available based on Ethernet LAN and windows platform, such as image centralized storage and identify, recheck workstation, and network TIP, etc (Optional) .

Images process: 24bit real time processing ,4colors analysis, Images displayed marked date and ID NO ,Count the number of bags ,Memory gray level:65536

◆ Operating Environment:

Operation temperature/Humidity: 0°C to +40°C/10%-95%(non-condensing)
Storage Temperature/Humidity: -20°Cto 60°C/ 5%-95%(non-condensing)
Operation Power: 220VAC(+10%～-15%)50±3Hz (Optional: 100VAC,110VAC,120VAC,200VAC)
Power Consumption: 2.0KW (max)
Noise: <58db
Dimensions (L×W×H) :2127mm*2230mm *2338mm
Weight: 3500kgs

◆ Computer Character:

CASE: IPC7132
Power: 250W/ATX
Main board: AIMB 501G2
CPU: G1610 2.6G
Storage: 2GB 1600MHz DDR3 Innodisk
Hard Disk: SEAGATE 500G 3.5"

◆ X-ray Generator:

Anode Voltage: 160kv adjustment
Anode power: 1.2mA adjustment
Generate angle: 80 degree downward
Brand: Chinese brand
Generate direct: from top to bottom
Cooling / Duty Cycle: Oil Cooling /100%

◆ Other Characters:

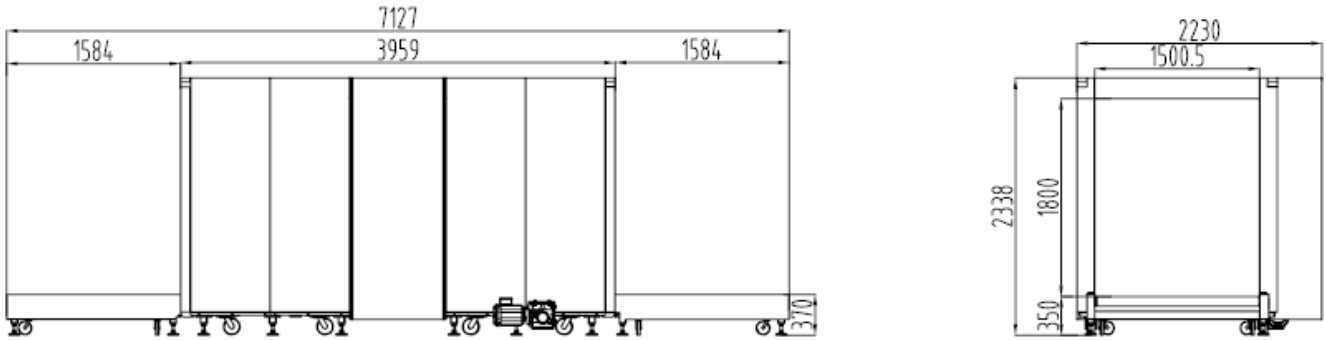**Detect PCB board:** UK brand Sensortech
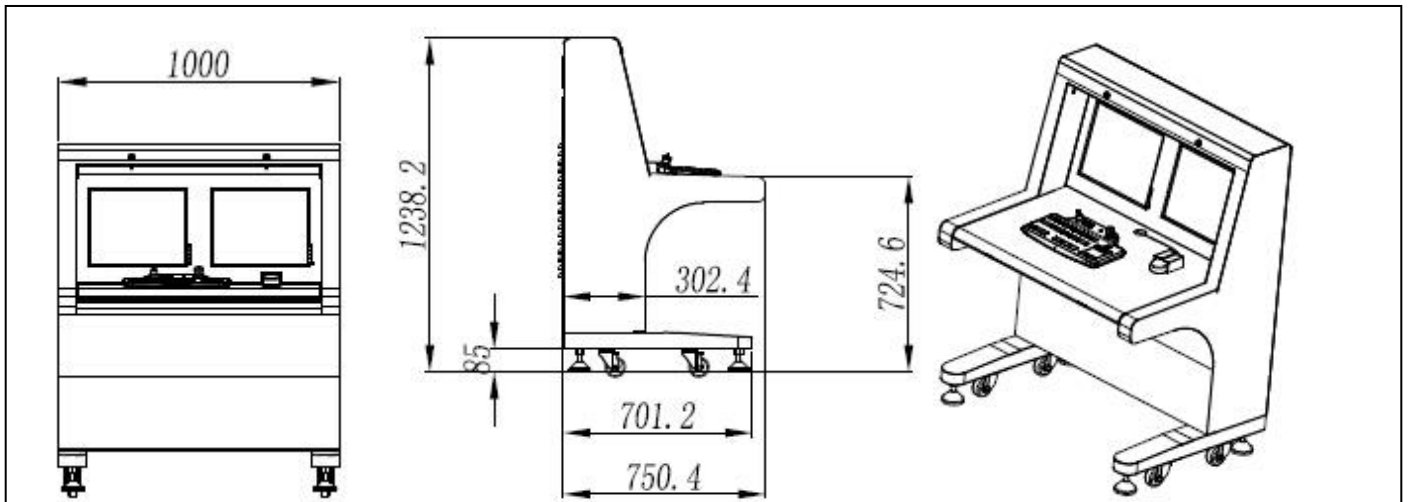**Extension Rollers:** customize size length
Support card reader operator access
CD DVR/RW unit: Optional
Computer system: XP system
Monitor: 17 inch two monitors

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➤ **SA150180 Cargo Scanner Dimension**

➤ **Operation Console Dimension**

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