

# AT100100 Luggage Scanner



## **Baggage X-ray Scanner AT100100 Xray Machine for luggage security sheek**

Tunnel Size: 1000(W)\*1000(H)mm

Conveyor Speed: 0.22m/s

Conveyor Max Load: 200kg

Dose per Inspection < 1.7 $\mu$  Gy/h

Resolution < 0.101mm Copper Wire

Spatial resolution: Level: Dia1.3mm, Vertical: Dia1.0mm

Penetrate resolution: Dia 0.511mm

Penetration: 34mm Steel

Film Safety: Guarantee ISO1600 Film

X-ray Leakage: <0.1  $\mu$  Gy/h (at a distance of 5cm From external housing)

### **X-ray Generator**

Generate direct: Downward

Generate anger: 80 degree

Anode Voltage: 100~160Kv

Anode power: 0.4 to 1.2mA

Cooling / Duty Cycle: Oil Cooling /100%

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## Image System of x-ray detector system:

X-ray Sensor: L-Shaped Photodiode Array (multi-energetic), 12bit Deep

Monitor: High Resolution Color, LCD Accord, 17 inch

Image Processing: Edge enhancement, image strengthening, image lightening, , reducing darkening, image returning, image retrieval.

Image Grey Level: 4096

Image Max Resolution: 1024 \* 1280 pixel

Image Processing: 24bit for processing real time

Image storage: Storage 100000 pictures in real time

Zoom: 64Times Enlarge, Whole screen continuous observation

Multi-energetic distinguish objects: Organic objects in orange, inorganic objects in blue, mixture in green

High-energy/low energy: Switch from high energy to low energy

Assist to detect drug and explosive powder

## Installation Data of x-ray luggage scanner machine:

Operation temperature/Humidity: 0° C-45° C/20%-95%(non-condensing)

Storage Temperature/Humidity: -20° C-60° C/20%-95%(non-condensing)

Operation Power: 220VAC(± 10%)50± 3Hz

Power Consumption: 1.0 KW (max), 1.0KW(working)

Noise: <58dB

