



# Shenzhen MCD Electronics CO.,Ltd

MCD-6550

**MCD**<sup>®</sup>  
美创达诚

Shenzhen MCD Electronics co.,ltd

CE ISO 9001  
2008

**MCD-6550**  
*X-ray baggage scanner*

The main image shows the MCD-6550 X-ray baggage scanner, a white and blue machine with a conveyor belt and a control console. The control console features a monitor displaying a landscape image, a keyboard, and a mouse. The machine is on wheels and has a blue carrying handle. The top of the machine has a green light and a red emergency stop button. The background is a light blue gradient.

The three inset images show the scanner in use at an airport security checkpoint. The first image shows a person walking through the scanner with a bag. The second image shows a person standing next to the scanner. The third image shows a person standing next to the scanner with a bag.

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## Product Parameters:

### General Specification

- 1.Tunnel Size: 650(W)\*500(H)mm
- 2.Conveyor Speed: 0.22m/s
- 3.Conveyor Max Load: 170kg
- 4.Dose per Inspection: <1.4uGy/h
- 5.Resolution: <0.0787mmMetal Wire
- 6.Spatial resolution Level:dia1.0mm , Vertical:dia1.0mm
7. Penetrate resolution: Dia 0.254mm
- 8.Penetration: 34mm Steel
- 9.Film Safety: Guarantee ISO1600 Film
- 10..X-ray Leakage: <0.05 uGy/h (at a distance of 5cm From external housing)

### X-ray Generator

- 1.Generate direct: Upward
- 2.Generate angle: 80 degree
- 3.Anode Voltage: 100~160Kv
- 4.Anode power: 0.4 to 1.2mA
- 5.Cooling / Duty Cycle: Oil Cooling /100%

### Image System

- 1.X-ray Sensor: L-Shaped Photodiode Array (monoenergetic) , 12bit Deep
- 2.Monitor: High Resolution Color, LCD Accord, 17 inch
- 3.Detector:2
- 4.Color display: full color
- 5.Image Processing: Edge enhancement, image strengthening, image lightening, reducing darkening, image returning, image retrieval.
- 6.Image Grey Level: 4096
- 7.Image Max Resolution: 1024 \* 1280 pixel
- 8.Image Processing: 24bit for processing real time
- 9.Image storage: Storage 60000 pictures in real time
- 10.Zones & Zoom: 1-9 Image regions, 2,4,8,16 Times Enlarge, Whole screen continuous observation
- 11.Multi-energetic distinguish objects: organic objects in orange, inorganic objects in blue, mixture in green
- 12.High-energy/low energy: switch from high energy to low energy

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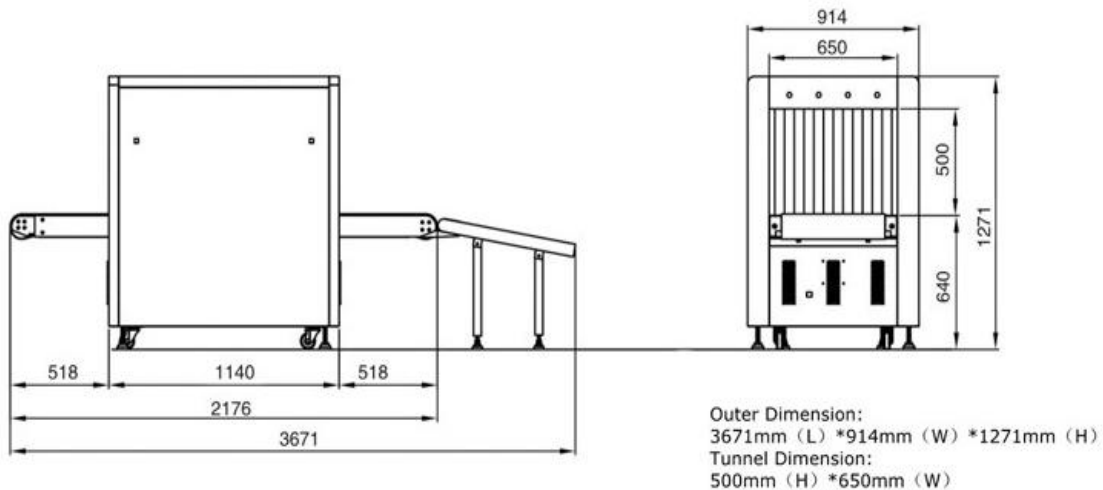
13.Assist to detect drug and explosive powder

### Installation Data

- 1.Operating Temperature/Humidity: 0°C~45°C/20%-95%(non-condensing)
- 2.Storage Temperature/Humidity: -26°C~60°C/20%-95%(non-condensing)
- 3.Operation Power:220AVC/(±10)50Hz±3Hz
- 4.Power Consumption:1.0KW(Max)
- 5.Noise: <58 dB

### Feature and Application:

X-ray penetrate inspection, the object can be found within the metal structure, can display the naked eye can not see where the liquid is also very obvious object display. Used in the factory testing of security products and business units such as: electronic factories, shoe factories, toy factories, courts, railway stations, and event bag, line security management package



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