

Usage/Application	logistics company, airport x-ray security checking for luggage, and hotel baggage security inspection in the lobby,Olympics, Expo,summit ,metro and railways etc.
Assist to	detect drug and explosive powder
General Parameters	
Model number	MCD-100100A
Tunnel Size Conveyor	1000 mm (Width) * 1000 mm (Height)
Conveyor Speed	0.22/ sec
Conveyor height	300 mm
Conveyor Max Load	250 kg (Evenly distributed)
Single inspection dosage	< 1.0μsv
Wire Resolution	40AWG
Spatial Resolution	Level: dia 1.0 mm Vertical: dia 1.0 mm
Penetration Through Steel Plate	14 mm
Maximum leakage radiation	Less than 1.0 uGy/h
Film Safety	Guaranteed ISO 1600 Film
X-ray Leakage	Less than 1 uGy/h at 5cm from frame house
*With continued R&D, MCD reserves the right to amend specifications without notice.	
This model designed for railway, airport, custom, port and other critical areas	
X-ray Generator	
Generator Direction	From top to bottom
Generator Angle	80 degrees downward
Anode Voltage	80KV
Anode Power	0.6 mA
X-ray Sensor	single generator
Cooling/Duty Cycle	0%-90% (non-condensing)
Image System	
X-ray Sensor	L-shaped photo diode array (mono energetic), 16bit depth
Monitor	High resolution color, LCD compatible, 19inch
Image Processing	Edge enhancement, image enhancement, image lighting, reduction of darkening, image reversion, image rewind.
Image Grayness Level	4096
Image Maximum Resolution	1024*768 pixels
Image Processing	24bit real time processing in real time
Image Storage	200,000 images in real time
Zone & Zoom	1-9 image zones, enlargement of 2, 4, 8, 16 times, fully screen continuous observation.
Other function	Date & Time Display, Luggage Counting, System Working Timing, X-Ray Emission,Working Status Display, User

	Management, Fault Self-diagnosis and Maintenance Functions, Alarm Function, Urgent Stop, Limits of Authority Management for Operator,Self-check Power-On, Image Magnification Display, Save and Retrieval, Image Navigation,Bi-directional Scanning, Image Recognition Training, Network Interface,Browse, One Key to Shutdown, Save As, Plication.
Installation Data	
Operating Environment / Humidity	0 to 45 Degree C / 20 - 95% (non-condensing)
Storage Temperature / Humidity	-20 to 60 Degree C / 20 ~ 95% (non-condensing)
Operating Power	220VAC ($\pm 10\%$) 50 \pm 3Hz
Power Consumption	1.0 KW (max), 0.3KW (working)
System Noise	<55 dB
Package Size	
Unit Net Weight	1130 Kgs
Unit Gross Weight	1220 Kgs
Wooden size	260*140*215 cm (X ray machine) 127*134*75 cm (operation desk)
CBM	9.1023CBM

