



The HS 1010TM is an “Intermediate” baggage and cargo X-Ray Screening System offering flexibility and best in class imaging performance.

The **HS 1010 DETM** Security X-Ray Inspection System is an ideal large tunnel unit that allows for the x-raying of a wide range of oversized items. For the screening of air cargo and hold baggage, it is considered to be the preferred size choice for freight forwarders, airports, warehouses, courier companies & customs. Designed with a 1010 mm x 1010 mm tunnel size, the **HS 1010 DETM** is one of the most sought after machines on the market.

The **HS 1010 DETM** is built with high definition detectors and state of the art photo sensors that allow for ultra-thin objects placed on the conveyor belt to be picked up and scanned. The **HS 1010 DETM** provides picture-pure resolution with super enhanced image processing and automatic 20x screen image playback capability. The **HS 1010 DETM** is the machine of choice for any high throughput operations. In addition to the standard configuration, the **HS 1010 DETM** is supplied with a number of extras including TIP (Threat Image Projection); Roller Tables and a UPS (Uninterrupted Power Supply).



SPECIAL FEATURES

- Dual-energy high-definition detectors
- Compact design
- Ultra thin object scanning using micro photo sensors
- Modular design with self-diagnosis capability
- Organic / inorganic stripping
- Automatic threat and density alert
- Network ready
- Image archiving

EXTRAS

- Entry / exit guards
- Roller tables (entry/exit) built to any length
- UPS (Uninterrupted Power Supply)

SPECIFICATIONS:

GENERAL

Construction:	Steel based
Tunnel Size:	1010 mm (W) x 1010 mm (H)
Length / Width / Height (mm)	3460 (L) 1280 (W) x 1810 (H)
	1200 Kgs (uncrated)
	1300 Kgs (crated)
Conveyor Height:	300 mm
Conveyor Speed:	>0.20 metres per second
Maximum Conveyor Load:	300 Kg (evenly distributed)
System Noise Level:	<60 dB

PERFORMANCE INDEX *

Penetration:	38 mm Steel (guaranteed) 40 mm Steel (typical)
Resolution (wire gauge):	40 AWG (guaranteed) 42 AWG (typical)

X-RAY GENERATOR

Tube Voltage:	100 - 160 kV (adjustable) sealed oil bath
Tube Current:	0.3 - 1.2mA (adjustable)
Cooling / Duty Cycle:	Sealed oil cooling / 100%
Beam Launch Angle:	80 degrees

OPERATIONAL INDEX

Storage Temp/Humidity:	-20°C to 50°C 10% - 95% non-condensing
Working Temp/Humidity:	0°C to 45°C 10% - 95% non-condensing
Working Voltage:	AC 220V \pm 10% 50 Hz / 60 Hz \pm 3 Hz
Power:	1.0 kVA
Leakage:	<0.5 μ Sv / H
Dose Per Inspection:	<1.5 μ Sv (typical)
Duty Cycle:	100% (no burn in necessary)

IMAGING

- Image resolution: 1280 x1024 x 24 bits
- Zoom 2 - 64 x (dynamic, smooth and continuous)
- Full screen zoom (one click)
- High, low penetration
- Organic / inorganic stripping
- Picture pure (no distortion)
- Super edge enhancement capability
- Operator assist, automatic threat and density alert
- Automatec 20x screen image recall (last in first out)
- Dual-energy technology
- Colour, black and white display

IMAGE RECALL

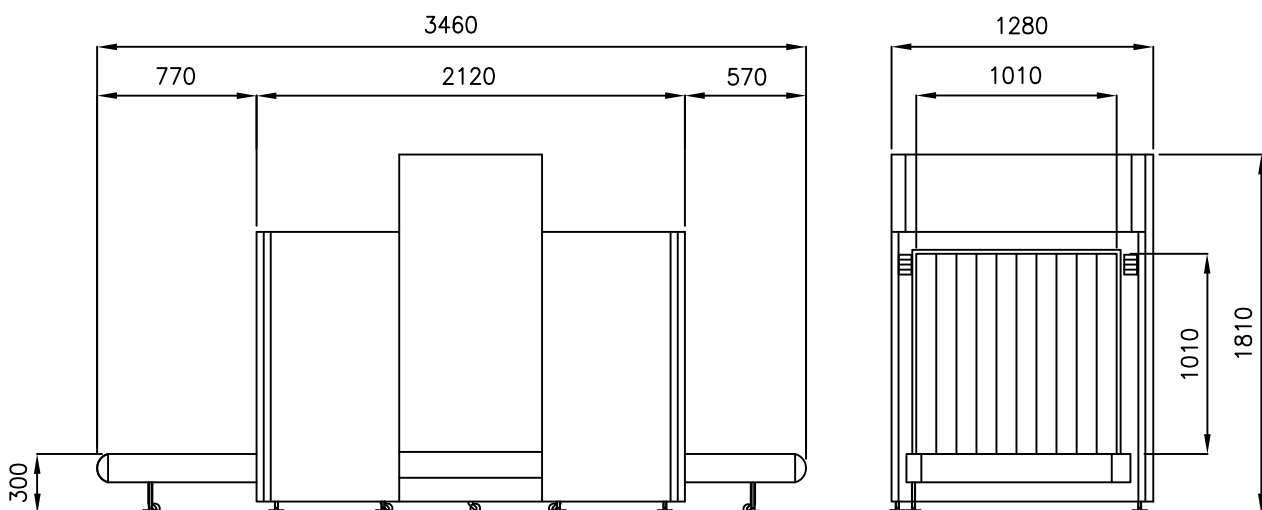
- 100,000 Images storage capacity (standard)
- Image conversion and export to jpg, png and bmp
- Image search and simulated playback

ADDITIONAL FEATURES

- Configuration operator interface
- 24" High resolution flat panel LCD monitor
- 24 Bit colour processing
- Multi language support
- Network capable
- Luggage counter
- User report mangement

COMPLIANCE STANDARDS

- Complies with film safety ISO 1600 / 33 DIN high speed photographic film
- All equipment is CE (Europe) certified and manufactured to ISO 9001 standards
- Radiation safety: All equipment is registered and licensed with the South African Department of Health
- * Measured with factory test piece



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