

HS 1518TM DualEnergy

Freight & Cargo X-Ray System



High Resolution Imaging for Palletized & Cargo Screening.

The **HS 1518TM** Security X-Ray Inspection System is an ideal large tunnel size unit that allows for the inspection 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, courier companies and ports. Designed with a 1516 mm x 1810 mm tunnel size, it is one of the most sought after machines on the market. The **HS 1518TM** is built with high definition detectors and state of the art photo sensors, allowing ultra-thin objects that are placed on the motorized rollers to be easily picked up and scanned.

The **HS 1518TM** provides picture-pure resolution with super enhanced image processing and an automatic 20x screen image playback capability. Users operate the unit with monitors and a remote console up to 10 metres from the machine. In addition to the standard configuration the **HS 1518TM** can be supplied with a number of optional extras including TIP (Threat Image Projection); VMS (Video Monitoring System); extended motorised roller conveyors (of any length) and a UPS (Uninterrupted Power Supply).



SPECIAL FEATURES

- Multi-energy high definition detectors
- 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 conveyors built to any length
- UPS (Uninterrupted Power Supply)
- VMS (Video Monitoring System)

SPECIFICATIONS:

GENERAL

Construction:	Steel based
Tunnel Size:	1516 mm (W) x 1810 mm (H)
Length / Width / Height (mm)	5258 (L) x 2440 (W) x 2795 (H)
Weight:	2500 Kgs (uncrated) Main Body
Conveyor Height:	350 mm
Conveyor Speed:	0.20 metres per second
Maximum Conveyor Load:	3000 Kg (evenly distributed)
System Noise Level:	<65 dB

PERFORMANCE INDEX *

Penetration:	48 mm Steel (guaranteed) 50 mm Steel (typical)
Resolution (wire gauge);	40 AWG (guaranteed) 42 AWG (typical)

X-RAY GENERATOR

Tube Voltage:	200 kV (adjustable) sealed oil bath
Tube Current:	0.6 - 1.0 mA (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:	220 VAC / AC 380 V (\pm to +10%) 50 Hz / 60 Hz \pm 3 Hz
Power:	1.5 kVA (one mode) or 3 KVA (motorized rollers)
Leakage:	<0.5 μ Sv / H / inspection
Dose Per Inspection:	<2.0 μ Sv (typical)
Duty Cycle:	100% (no burn in necessary)

IMAGING

- Zoom 2 x 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
- Automatic 20x screen image recall (last in first out)
- Multi-energy technology
- Colour, black and white display

IMAGE RECALL

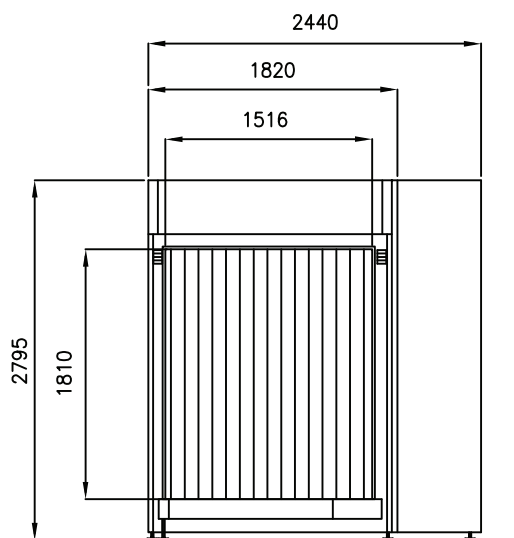
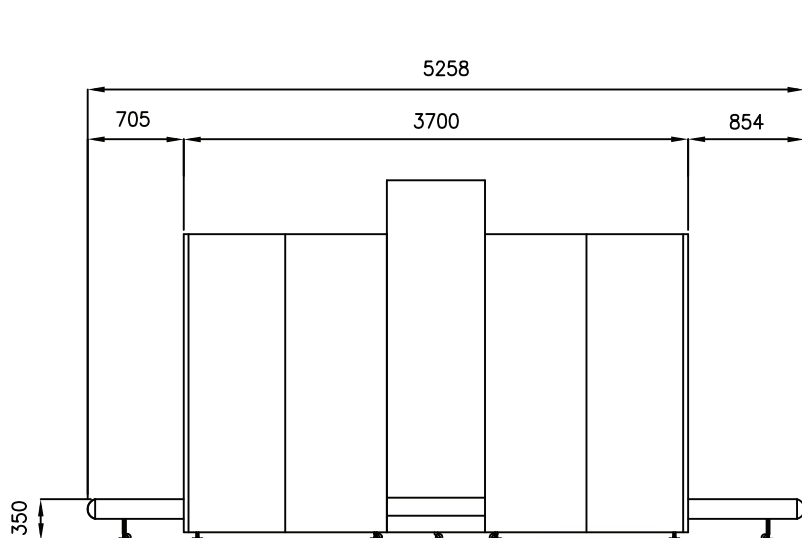
- 100,000 Images storage capacity (standard)
- Image conversion and export to jpg, png and bmp
- Image search and simulated playback

ADDITIONAL FEATURES

- Configuration operator interface
- 24" or 27" Single Monitor
- 24 Bit colour processing
- Multi language support
- Network capable
- Luggage counter
- User report management

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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