

HS 1818DVTM MultiEnergy

Dual-View Freight & Cargo X-Ray System



High Resolution Imaging for Palletized & Cargo Screening

The HS 1818 DVTM (Dual-View) 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 cargo and palletized freight, it is considered to be the preferred size choice for freight forwarders, customs, courier companies and at ports.

Designed with a 1820mm x 1820mm tunnel size, it is one of the most sought after machines on the market. Built with high definition detectors and state of the art photosensors, ultra-thin objects placed on the motorized rollers can be easily picked up and scanned. The HS 1818 DVTM provides picture-pure resolution with super enhanced image processing and an automatic 20x screen image playback capability. Users can also operate the unit with monitors and a remote console and monitors up to 10 metres from the machine (optional).

In addition to the standard configuration, the HS 1818 DVTM is supplied with a number of extras including TIP (Threat Image Projection); Motorised Roller Conveyors and a UPS (Uninterrupted Power Supply).



SPECIAL FEATURES

- Multi-Energy / high definition detectors
- Compact Design
- Ultra-thin object scanning using microphoto sensors
- Modular Design with self-diagnosis capability
- Organic / Inorganic Stripping
- Automatic Threat & Density Alert
- Network Ready
- Image Archiving

EXTRAS INCLUDE

- Dual Monitors
- Extended Motorised Roller Conveyors
- UPS (Uninterrupted Power Supply)
- TIP (Threat Image Protection)

SPECIFICATIONS:

GENERAL

Construction:	Steel based
Tunnel Size:	1820 mm (W) x 1820 mm (H)
Length / Width / Height (mm)	7902 (L) x 2523 (W) x 2795 (H)
Weight:	3000 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%
X-Ray Direction:	(1) Vertically (2) Horizontally

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 (± to +10%) 50 Hz / 60 Hz ± 3 Hz
Power:	1.5 kVA (one mode) or 3 KVA (motorized rollers)
Leakage:	<3.5 µ Sv / H / inspection
Dose Per Inspection:	<1.0 µ Sv (typical)
Duty Cycle:	100% (no burn in necessary)

IMAGING

Image Resolution :	1280 x 1024 x 24 bits
Image Processing :	Zoom 2 x 64 x (dynamic, smooth & continuous) : Full screen zoom (one click) : High, low penetration : Organic / Inorganic stripping : Picture pure (no distortion) : Super edge enhancement capability : Operator assist, Automatic Threat & Density Alert : Automatic 20x screen image recall (last in first out) : Multi-Energy Technology : Colour, Black & White display

IMAGE RECALL

100,000 Images storage capacity; as required
Image conversion and export to jpg, png & bmp
Image search and simulated playback

ADDITIONAL FEATURES

Configurable Operator Interface
2x High Resolution Flat Panel LCD Monitors (19")
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
- All services (personnel) are Registered and conducted in accordance with SABS quality standards for radiation testing

