

HS 1818 (320)TM

Multi-Energy Freight & Cargo X-Ray System



High Resolution Imaging for Palletized & Cargo Screening

The **HS 1818 (320)TM** 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 1810 mm x 1810 mm tunnel size, it is one of the most sought after machines on the market. Built with high definition detectors and state of the art photo sensors, ultra-thin objects placed on the motorized rollers can be easily picked up and scanned. The **HS 1818 (320)TM** provides picture-pure resolution with super enhanced image processing and an automatic 20 x 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 (320)TM** is supplied with a number of extras including Motorised Roller Conveyors and a UPS (Uninterrupted Power Supply).



SPECIAL FEATURES

- Multi-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 & Density Alert
- Network Ready
- Image Archiving

EXTRAS INCLUDE

- Extended Motorised Roller Conveyors
- UPS (Uninterrupted Power Supply)

SPECIFICATIONS:

GENERAL

Construction:	Steel based
Tunnel Size:	1810 mm (W) x 1810 mm (H)
Length / Width / Height (mm)	6159 (L) x 2675 (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:	<60 dB

PERFORMANCE INDEX

Penetration:	75 mm Steel (guaranteed) 80 mm Steel (typical)
Resolution (wire gauge):	38 AWG (guaranteed) 40 AWG (typical)

X-RAY GENERATOR

Tube Voltage:	320 kV (adjustable) sealed oil bath
Tube Current:	2.0 mA (adjustable)
Cooling / Duty Cycle:	Sealed oil cooling / 100%
X-Ray Direction:	Horizontally Sideways

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

500,000 Images storage capacity; as required
Image conversion and export to jpg, png & bmp
Image search and simulated playback

ADDITIONAL FEATURES

Configurable Operator Interface
High Resolution Flat Panel LCD Monitors (21.5")
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