



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

The **HS 1010 DE™** 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 DE™** is one of the most sought after machines on the market.

The **HS 1010 DE™** 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 DE™** provides picture-pure resolution with super enhanced image processing and automatic 20x screen image playback capability. The **HS 1010 DE™** is the machine of choice for any high throughput operations. In addition to the standard configuration, the **HS 1010 DE™** 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:
Tunnel Size:
Length / Width / Height (mm)

Steel based
1010 mm (W) x 1010 mm (H)
3460 (L) 1280 (W) x 1810 (H)
1200 Kgs (uncrated)
1300 Kgs (crated)

Conveyor Height:
Conveyor Speed:
Maximum Conveyor Load:
System Noise Level:

300 mm
>0.20 metres per second
300 Kg (evenly distributed)
<60 dB

PERFORMANCE INDEX *

Penetration:
Resolution (wire gauge):

38 mm Steel (guaranteed)
40 mm Steel (typical)
40 AWG (guaranteed)
42 AWG (typical)

X-RAY GENERATOR

Tube Voltage:
Tube Current:
Cooling / Duty Cycle:
Beam Launch Angle:

100 - 160 kV (adjustable)
sealed oil bath
0.3 - 1.2mA (adjustable)
Sealed oil cooling / 100%
80 degrees

OPERATIONAL INDEX

Storage Temp/Humidity:
Working Temp/Humidity:
Working Voltage:
Power:
Leakage:
Dose Per Inspection:
Duty Cycle:

-20°C to 50°C
10% - 95% non-condensing
0°C to 45°C
10% - 95% non-condensing
AC 220V ± to 10%)
50 Hz / 60 Hz ± 3 Hz
1.0 kVA
<0.5µ Sv / H
<1.5 µ Sv (typical)
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 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

