

HS 1010 DV™

DualView

Dual-View Hold Baggage & Cargo X-Ray Machine



The HS1010DV™ is an “Intermediate Dual View” X-Ray System offering flexibility for the screening of baggage, parcels, boxes and larger mid-sized items.

The **HS 1010 DV™** 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 and at customs. Designed with a 1010 mm x 1010 mm tunnel size, the **HS 1010 DV™** is one of the most sought after machines on the market. This unit 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 DV™** provides picture-pure resolution with super enhanced image processing and automatic 20x screen image playback capability. Users can operate the unit with a remote console and monitors up to 10 metres from the machine. The **HS 1010 DV™** is the machine of choice for any high throughput operations. In addition to the standard configuration, the **HS 1010 DV™** 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	1010mm (w) x 1010mm (H)
Length / Width / Height:	3690mm (L) x 1580mm (W) x 1810mm (H)
Conveyor Height:	1500 Kgs (uncrated)
Conveyor Speed:	1700 Kgs (crated)
Maximum Conveyor Load:	300g (evenly distributed)
System Noise Level:	<60 dB

PERFORMANCE INDEX *

Penetration:	38 mm Steel Penetration (guaranteed)
Resolution (wire gauge):	40 mm Steel Penetration (typical)
	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 - vertically downward and horizontal

OPERATIONAL INDEX

Storage Temp/Humidity:	-20°C to 50°C
Working Temp/Humidity:	10 % – 95 % non-condensing
	0°C to 45°C
	10 % – 95 % non-condensing
Working Voltage:	AC 220 V (± to 10 %)
	50 Hz / 60 Hz ± 3 Hz
Power:	12 kVA
Leakage:	<0.5µ Sv / H
Dose Per Inspection:	<3µ 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)
- 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
- 2 x 19" High resolution flat panel LCD monitors
- 24 Bit colour processing
- Multi language support
- Network capable
- Luggage counter

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
- * Measured with factory test piece

