

HS 5030™ DualEnergy

Compact Baggage & Parcel X-Ray Machine



**An ideal “Economical X-Ray System” for
reception areas, office buildings, prisons & mobile screening applications.**

The **HS 5030 DE™(Dual-Energy)** Security X-Ray Inspection System is a compact, easily re-located unit ideal for applications that require flexibility of location and where there are space limitations. The **HS 5030 DE™** is the most popular unit on the market due to its size & image quality. The standard configuration is a single monitor and operator console, placed on top of the machine making it versatile in any application.

The **HS 5030 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 5030 DE™** provides picture-pure resolution with super enhanced image processing and an automatic 20 x screen image playback capability. In addition to the standard configuration, the **HS 5030 DE™** can be supplied Projection); VMS (Video Monitoring System); Roller Tables (of any length) and a UPS (Uninterrupted Power Supply).



SPECIAL FEATURES

- 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

- TIP (Threat image projection)
- Roller tables (entry / exit) built to any length
- UPS (uninterrupted power supply)
- VMS (Video monitoring system)

SPECIFICATIONS

GENERAL

Construction: Steel based
Tunnel Size: 505 mm (W) x 305 mm (H)
Length / Width / Height: 1690 mm (L) x 795 mm (W) x 1185 mm (H)
450 Kgs (uncrated)
520 Kgs (crated)

Conveyor Height: 693 mm
Conveyor Speed: 0.20 metres per second
Maximum Conveyor Load: 200Kg (evenly distributed)
System Noise Level: <55 dB

PERFORMANCE INDEX *

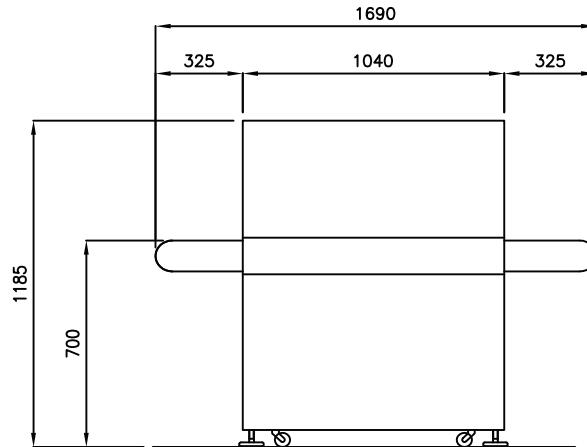
Penetration: 36mm Steel (guaranteed)
38mm Steel (typical)
Resolution (wire gauge): 40 AWG (guaranteed)
42 AWG (typical)

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

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: AC 220V ± to 10%)
50 Hz/60 Hz ± 3 Hz
Power: 0.5 kVA
Leakage: <0.5µ Sv / H
Dose Per Inspection: <1.5 µ Sv (typical)
Duty Cycle: 100% (no burn in necessary)



IMAGING

- Image resolution: 1280 x 1024 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
- Automatic 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

- Configurable operator interface
- 19" High resolution flat panel LCD monitor
- 24 Bit colour processing
- Multi language support
- Network capable
- Luggage counter
- Date / time display
- Self-diagnostics
- User support 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

