

HS 5030TM 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 DETM (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 DETM** 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 DETM** 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 DETM** 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 DETM** 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: | 200 Kg (evenly distributed) |
| System Noise Level: | <55 dB |

PERFORMANCE INDEX *

| | |
|--------------------------|---|
| Penetration: | 36 mm Steel (guaranteed) 38 mm 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 \pm to 10 %) 50 Hz / 60 Hz \pm 3 Hz |
| Power: | 0.5 kVA |
| Leakage: | <0.5 μ 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

