

# HS 5030SV™

## Single View

Compact Baggage & Parcel X-Ray Machine

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

The **HS 5030 SV™ (Single View)** 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 SV™** 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 SV™** 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 SV™** 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 SV™** can be supplied with a number of optional extras including TIP (Threat Image Projection); VMS (Video Monitoring System); Roller Tables (of any length) 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

- 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)<br>38 mm Steel (typical) |
| Resolution (wire gauge): | 40 AWG (guaranteed)<br>42 AWG (typical)           |

## X-RAY GENERATOR

|                       |  |
|-----------------------|--|
| Tube Voltage:         | 100 – 160 kV (adjustable)<br>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<br>10% – 95% non-condensing |
| Working Temp/Humidity: | 0°C to 45°C<br>10% – 95% non-condensing   |
| Working Voltage:       | AC 220V ± to 10%<br>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 mangement

## 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
- \* Measured with factory test piece

