

**'An Ergonomically Designed Tunnel Size For Limited Space Applications'**

**HS 5536 EVO2** is a compact, ergonomically designed baggage x-ray machine developed for limited space environments, high throughput and flexibility in tunnel size. With a tunnel aperture of 550mm x 360mm this unit allows for a variety of sized hand baggage, parcels and boxes to be screened whilst taking into consideration space constraints. Replacing the previous 'legacy range' of **HS 5536 EVO2** Baggage x-ray machines, this all new design brings the most flexible solution on the market whilst maintaining best-in-class imaging performance.

Just like its predecessor, the **HS 5536 EVO2** remains extremely popular due to its versatility and outstanding performance in the field. With all new industry leading optional features such as increased belt speed of up to 0.5m/s, touch screen interface, remote diagnostics capabilities, Artificial Intelligence (AI) and built-in Item Recognition Training Software, the **HS 5536 EVO2** is forging the future of next generation screening technology.

## SPECIAL FEATURES

- 5 Years Parts Inclusive Warranty Only
- CIRTTS (Computer Item Recognition Training Software)
- Compact design
- Ultra-thin object scanning using micro photo sensors
- Self Diagnostics
- Organic / Inorganic Stripping (Material Discrimination)
- Automatic threat and density alert
- Network ready
- Image archiving
- TIP – Threat Image Projection

## ADDITIONAL EXTRAS

- AI- Artificial Intelligence Item Recognition
- Roller tables (entry/exit) built to any length
- UPS (Uninterrupted Power Supply)
- Built-In Item Recognition Training Software
- Touch Screen Interface 21" Monitor
- Tunnel Guards
- Extended Belt Speed to 0.50 M/S



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## SPECIFICATIONS

### GENERAL

|                              |                            |
|------------------------------|----------------------------|
| Construction:                | Steel based                |
| Tunnel Size:                 | 550 mm (W) x 320 mm (H)    |
| Length / Width / Height (mm) | 1199 (L) 728 (W) 1197(H)   |
|                              | *250 Kgs (uncrated)        |
|                              | *480 Kgs (crated)          |
| Conveyor Height:             | 693 mm from the floor      |
| Conveyor Speed:              | 0.22 meters 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 $\pm$ 10%<br>50 Hz / 60 Hz $\pm$ 3 Hz |
| Power:                 | 0.5 kVA                                       |
| Leakage:               | <0.5 $\mu$ Sv / H                             |
| Dose Per Inspection:   | <1.5 $\mu$ 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 screening technology
- Super edge enhancement capability
- Threat Image Projection Library (TIP)
- Operator assist (OA), automatic threat and density alert
- High Organic Mass Alert (HOMA)
- Dual Energy
- Color, Black, White, image display

### IMAGE RECALL

- 500,000 Images storage capacity (standard)
- Image conversion and export to jpg, png and bmp
- Image search and simulated playback
- Printer Ready

### ADDITIONAL FEATURES

- 21" High resolution Touch Screen Interface
- (AI) Artificial Intelligence Item Recognition
- Input / Exit Rollers to any length required
- Multi language support
- Network capable
- Training Software- Item Recognition Training Software
- 5 Years Parts Inclusive Warranty Only
- Extended Belt Speed to 0.50 Meters Per Second

### COMPLIANCE STANDARDS

- Complies with film safety ISO 1600 / 33 DIN high speed photographic film
- All equipment is CE (Europe) certified and manufactured to ISO 9001:2015 TUV standards, FDA 21CFR- Part 1003/1004 approved for use in the USA.
- Radiation safety: Meets all applicable laws and regulations with respect to X-ray emitting devices, with directives, 2014/30/EC, 2014/35/EC, 2006/42/EC, FDA 21CFR, SAPHRA.
- \*Propriety quality management test piece: Steel Step Wedge, CU wires, Shims, Organic Inorganic, Belt speed 0.20 m/s.
- \*Approximate Values (Adjustable)

