

'THE HS 1818 **EVO2**, Simple, Flexible with Superior Image Quality'



Introducing the all new **HS 1818 EVO2 (Single View)** Security X-Ray Inspection System, with advanced screening technology that allows for the x-raying of a wide range of oversized items . Best suited 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, customs and borders. Designed with a 1820 mm x 1820 mm (71.65" x 71.65") tunnel size, the **HS 1818 EVO2** is one of the more sought after machine types on the market. This unit is built with high definition detectors and state of the art photo sensors that allow for even the smallest of objects to be picked up and scanned.

## SPECIAL FEATURES

- 5 Years Parts Inclusive Warranty Only
- CIRTS (Computer Item Recognition Training Software)
- Self Diagnostics
- Organic / inorganic stripping (Material Discrimination)
- Automatic threat and density alert
- Network compatible
- Image archiving

The **HS 1818 EVO2** provides picture-pure resolution with super enhanced image processing and automatic 100x screen image playback capability. Users can operate the unit with a remote console and monitors up to 10 meters from the machine. In addition to the standard configuration, the **HS 1818 EVO2** is supplied with a number of extras including, a 5 year Warranty and 500,000 Image Archiving Capacity.

## ADDITIONAL EXTRAS

- Roller conveyors (entry/exit) built to any length
- UPS (Uninterrupted Power Supply)
- 1x 21" High Resolution Monitor



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## SPECIFICATIONS

### GENERAL

Construction: Steel Based  
Tunnel Size: 71.65" (w) x 71.65"(H)  
Length / Width / Height ( in ) 311 (L) x 99 (W) x 110 (H)  
6613 lbs (uncrated)

Conveyor Height: 13.77"  
Conveyor Speed: >0.22 meters per second  
Maximum Conveyor Load: 6613 lbs Kg (evenly distributed)  
System Noise Level: <65 dB

### PERFORMANCE INDEX \*

Penetration: 48 mm Steel (guaranteed)  
50 mm Steel (typical)  
Resolution (wire gauge): 40 AWG (guaranteed)  
42 AWG (typical)

### X-RAY GENERATOR

Tube Voltage: 200kV (adjustable) sealed oil bath  
Tube Current: 0.6 - 1.0mA (adjustable)  
Cooling / Duty Cycle: Sealed oil cooling / 100%  
Beam Launch Angle: 80 degrees  
Beam Direction: (1) Horizontal

### 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 110V (± to 10%)  
50 Hz / 60 Hz ± 3 Hz  
Power: 1.5kVA / 3 KVA (motorized)  
Leakage: <0.5µ Sv / H  
Dose Per Inspection: <3 µ Sv (typical)  
Duty Cycle: 100% (no burn in necessary)

### IMAGING

- Image resolution: 1280 x 1024 x 24 bits
- Zoom 2x - 64x (dynamic, smooth and continuous)
- Full screen zoom (one click)
- High, low penetration
- Organic / inorganic stripping
- Picture Pure screening technology
- Super edge enhancement capability
- Operator assist (OA), automatic threat and density alert
- High Organic Mass Alert (HOMA)
- Automatic 100x screen image recall (last in first out)
- Dual-energy technology
- Color, black, white, inverse 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

- 1 x 21" High Resolution Monitor
- Input / Exit Rollers to any length required
- Multi language support
- Network capable
- CIRT (Computer Item Recognition Training Software)
- 5 Years Parts Inclusive Warranty Only
- Operator Table

### 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.
- Proprietary quality management test piece: Steel step Wedge, CU wires, Shims, Organic Inorganic, \*Approximate Values (Adjustable)