

HS 1818DV

Dual View Screening Technology



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



Introducing the all new **HS 1818 DV EVO2 (Dual View)** Security X-Ray Inspection System, with advanced screening technology that allows for the x-raying of a wide range of oversized items in two different orientations. 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 1818DV 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
- CIRTTS (Computer Item Recognition Training Software)
- Dual-View Imaging Technology
- Self Diagnostics
- Organic / inorganic stripping (Material Discrimination)
- Automatic threat and density alert
- Network compatible
- Image archiving

The **HS 1818DV 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 1818DV 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)
- 2x 21" High Resolution Monitors



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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 (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) Vertically Downward and (2) 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 x1024 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

- 2 x 21" High resolution Monitor
- Input / Exit Rollers to any length required
- Multi language support
- Network capable
- CIRTS (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)