Aventura
End to End

BAGGAGE SCANNER

XR-01800P SERIES



KEY FEATURES

+ 1850mm(W) × 1550mm(H) tunnel size
+ HD image enhancement
+ Image penetration enhancement

BASIC PARAMETERS

Tunnel size	72.71"(W) × 60.8"(H) / 1850mm(W) × 1550mm(H)
Conveyor speed	0.65ft/s [0.2m/s]
Conveyor maximum load	4400lbs [2000kg] (-01800P)
Pass rate	1500 piece/hour
Metal wire resolution	typical 40AWG / Φ0.0787mm
Penetration through steel plate	typical 45mm (-01800P)
Dose per inspection	typical 2μGy/h
X-ray leakage	typical 1μGy/h at 2" [5cm] from the machine
Film safety	ISO1600 Film
Food medicine and film	Xray exposure has no adverse effects
Operating system	Windows (-01800P)

DUAL X-RAY GENERATOR

Tube current (adjustable)	0.4 to 1.2mA
Tube voltage (adjustable)	200kV
Beam direction	bottom, angle, 80 degrees
Generator quantity	one (single generator)
Cooling/duty cycle	oil cooling/100%

IMAGE PROCESSING

Ray sensor	photodiode array detector (double energy)
Image display	Two 24" LCD, high resolution color
Image maximum resolution	1920×1080 pixels
Image storage	60,000 images
Image processing	24bit for processing real time; edge enhancement, straigthening, returning, retrieval
Image options	high penetration, low penetration, magnifier, brighten-ing/darkening;
Magnifier	1 to 64 times (whole screen continuous observation)
Multi color display for organic energy	orange for organic, blue for inorganic, green for mixture

ELECTRIC

Operating voltage	110Vac/220Vac (±10%) (specify at time of order)
Power consumption	1200W (max) / 1100W (nominal)

ENVIROMENTAL

Operating temperature	32°F to 114°F [0°C to 45°C]
Storage temperature	-4°F to 140°F [-20°C to 60°C]
Operating humidity	20% to 95% (non-condensing)
Storage humidity	20% to 95% (non-condensing)

CONNECTION

Cable length	15' [5m]
Cable type	USB extension (x2)/monitor power cable/monitor vga cable/security keyboard cable

X-RAY PHYSICAL CHARACTERISTICS

Length	7000mm - including IN/OUT conveyor belts 4000mm - excluding IN/OUT conveyor belts
Width	2200mm
Height	2600mm
Conveyor belt height	345mm
Weight	55641bs [2525kg] (-01800P)

CONSOLE PHYSICAL CHARACTERISTICS

Controller cabinet	single cabinet (two monitors)
Controller cabinet size	110cm(W) × 65cm(D) × 122cm(H)
Controller cabinet weight	114.5lbs [52kg]

GENER

Controls	emergency push button mouse and keyboard
Visual display	green LED - device on red LED - X-Ray in-use / calibrating amber LED - alarm
System noise	58 dB
Communication	ethernet (-01800P) only

PART

XR-01800P	x-ray machine with 1850×1550 tunnel size and Windows operating system (-01800P)

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