



### KEY FEATURES

- + 1500mm(W) × 1800mm(H) tunnel size
- + HD image enhancement
- + Image penetration enhancement
- + Rejection of organics

### BASIC PARAMETERS

Tunnel size	59"(W) × 70.8"(H) / 1500mm(W) × 1800mm(H)
Conveyor speed	0.72ft/s [0.22m/s]
Conveyor maximum load	4409lbs [2000kg]
Pass rate	1500 piece/hour
Metal wire resolution	typical 38AWG / Ø0.1007mm
Penetration through steel plate	typical 34mm
Dose per inspection	typical 2.5µGy/h
X-ray leakage	typical 1.5µGy/h at 2" [5cm] from the machine
Film safety	ISO1600 Film
Food medicine and film	x-ray exposure has no adverse effects
Operating system	Windows

### X-RAY GENERATOR

Tube current (adjustable)	0.4 to 1.2mA
Tube voltage (adjustable)	160kV
Beam direction	top, angle, 80 degree
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, straightening, returning, retrieval
Image options	high penetration, low penetration, magnifier, brightening/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
High energy / low energy	display key
Dangerous goods aided detection	yes (weapons, drugs, explosives)

### ELECTRICAL

Operating voltage	110Vac/220Vac (±10%) (specify at time of order)
Power consumption	2kW (max) / 1.6kW (nominal)
UPS	20 Minute Standby

### 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	280.59" [7127mm] - including IN/OUT conveyor belts 155.5" [3949mm] - excluding IN/OUT conveyor belts"
Width	95.50" [2422mm]
Height	92" [2338mm]
Conveyor belt height	14.57" [370mm]
Weight	7716lbs [3500kg]

### CONSOLE PHYSICAL CHARACTERISTICS

Controller cabinet	dual cabinet (two monitors)
Controller cabinet size	39.37"(W) × 29.5"(D) × 48"(H) 100cm(W) × 75cm(D) × 122cm(H)
Controller cabinet weight	147.7lbs [67kg]

### GENERAL

Controls	x-ray unit emergency push button controller keyboard with emergency push button mouse and keyboard
Visual display	green LED - device on red LED - x-ray in-use / calibrating amber LED - alarm
System noise	61 dB
Communication	ethernet

### PART NUMBERS

XR-1501	x-ray machine with 1500×1800 tunnel size and Windows operating system
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