

General Specifications	
Weight	approx. 2500kg
Dimension	4180(L) × 2950(W) × 2070(H)mm
Tunnel Size	1500(W) × 1500(H)mm
Resolution	φ 0.16mm wire
Penetration	40mm steel (43mm steel, typical)
Dose per Inspection	less than 1μSv, safe for film up to ASA/ISO 1600
Radiation Leakage	less than 2μSv/h, at a distance of 5cm from external housing, complying with all published international standards

X-ray Generator	
Anode Voltage	200kV
Beam Direction	from side
Cooling	sealed oil cooling
Beam Divergence	60°
Duty Cycle	100%

Image System	
X-ray Sensor	L-shaped photodiode array
Grey Level	4096 (12bit)
Image Processing	24 bit processing
Monitor	75Hz, 22 grey level, Screen Saver available
Display Resolution	1280 × 1024

Conveyor System	
Conveyor Speed	approx. 0.14m/s
Conveyor Height	350mm
Max. Load	approx. 1500kg
Conveyor Type	Belt conveyor
Conveyor Running Direction	bi-direction

Installation Data	
Storage Temperature	-40°C ~ +70°C
Storage Humidity	10% ~ 90% (non-condensing)
Operating Temperature	0°C ~ +40°C
Operating Humidity	10% ~ 90% (non-condensing)
Power	380VAC (+10% ~ -10%), 50Hz ± 3Hz, three-phase five-line
Power Consumption	approx. 3.0kVA

Note
All specifications are subject to modifications and improvements without prior notice.

System Functions	
Self-diagnostic	system self-diagnostic when power on
Generator Self-protection Function	self adjust generator power on by time of system unused
Operator Management	Log-in by authority, four grades authority, management database available
Selective Display Type	ten group display color selectable
Image Display Type	B/W, multi-energy, Pseudo color image
Image Process Function	light/dark enhancement, negative/positive image, edge-enhancement, organic stripping, inorganic stripping, VARILUT scanning, gray scanning
Zoom & Zones	1 ~ 9 image zones, 2, 4, 8 times enlargement
Microscope Zoom	2 ~ 32 times enlargement in any selected window
Image Stepless Enhancement	2 ~ 32 kinds of enhancement in any selected window
Image Recall	review the previous 20 images
High Absorption Rate Alarm	alarm by flash and light enhancement to high absorption rate material
Super Image Enhancement	improve image contrast
Image Absorption Scanning	10 levels of absorption scanning
Image Storage	save more than 10000 images, automatic or manual storage selectable
Image Search	search images according to stored time
Thin Object Scanning	easy to detect thin object
Function Key	provide multi image combination processing functions through user-defined keys
Data Report	provide 5 kinds of data reports
Information Display	date/time display, articles counter, operator ID code, system serial number, system on/x-ray on counter, maintenance reminder
Service Menu	service menu available for maintenance, it includes: Test Pattern, X-Ray Generator Test, Detector Signal Test, System Output Test, Power Supply Test, System Output Test
Operation Control	keypad and soft keys button available
Bi-direction Scanning	two directional scanning forward and backward
Image Save-as Function	the stored image could be saved as 8 format files (option)
Report Save-as and Print	(option)
Assistant Detection of Explosives / Drugs	(option)
Automatic Detection of Explosives / Drugs	(option)
TIP	(option)
Network Interface	(option)
Remote Control (through wire)	(option)
Remote Power On and Off System	(option)
Roller in / Roller out	(option)

