

SPECTRUM

CARGO

Spectrum Cargo 6.0 MeV enables high penetration of steel and fast data transfer. Redundant sensors automatically identify the driver's cab. X-ray tracking systems are designed to optimize security checks at ports, airports and border posts.



For a safer world



SPECTRUM CARGO

GENERAL DATA

- Speed:
3km/h ~ 15km/h | 1.9mph ~ 9.3mph
- Maximum vehicle dimension:
3.3m (W) / 4.6m (H) | 10.8 (W) / 15.1ft (H) / Length: Unlimited
- Inspection method:
Scanning through a single passage of the vehicle driven by the driver through the inspection tunnel
- Inspection flow:
Up to 150 vehicles per hour (vehicle with a 25m | 82ft container)
- Steel penetration:
330mm | 13" (6MeV)
- Spatial resolution:
3mm
- Wire detection:
2mm in diameter
- Contrast sensitivity:
1%
- Beam energy:
6MeV (Single energy)
6/4MeV (Dual energy)
- Radioprotection area:
15m (W); 30m (L)
49.2ft (W); 98.4ft (L)
- Maximum dose absorbed by the driver:
 $\leq 0.1\mu\text{Sv}$ / inspection
- Maximum dose for the operator:
 $\leq 1\text{mSv}$ / year

SAFETY

- Redundant sensors that automatically identify the driver's cab
- Electronic gate for traffic flow control
- Light signal for automatic traffic flow control
- Video monitoring system with digital video recorder
- Radio intercom system
- Emergency buttons to disable X-ray emission

STANDARD FUNCTIONS

- Automatic image saving
- Zoom greater than 8x
- Pan
- Linear mapping / non-linear mapping
- Negative/Positive
- Density highlight
- High penetration function
- Edge sharpening
- Edge detect
- Dense region detail
- Dense object
- Smooth
- TIFF and JPG image export
- Real-time scanning
- Self-diagnosis system
- Storage capacity over 40,000 images (expandable)
- Suspicious image tagging function
- 4 image viewer stations
- Automatic discrimination of organic, inorganic materials, metals and heavy metals by colorization (Model: 6/4MeV Dual Energy)

OPTIONAL

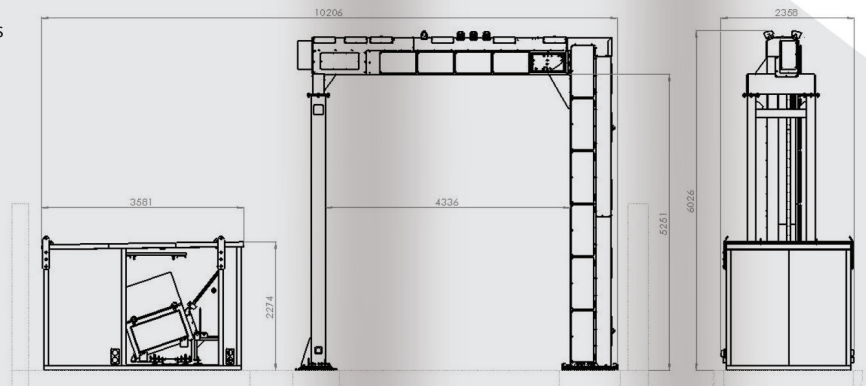
- Automatic plate character recognition system (OCR)
- Radiation monitor
- Additional image analysis station
- UPS for the complete system
- Automatic container character recognition system (OCR)

SHIPPING CRATING SIZE AND WEIGHT

Product	Package	Length	Width	Height	Net Weight	Gross Weight
Spectrum Cargo	1	4925mm	1550mm	720mm	1700kg	1942kg
	2	4750mm	1550mm	1220mm	2300kg	26272kg
	3	6046mm	1550mm	1385mm	4000kg	4569kg
	4 - cabin	5025mm	2490mm	2705mm	7000kg	7996kg
	5	1345mm	1090mm	1415mm	150kg	1716kg
	6	1345mm	1090mm	1610mm	140kg	160kg
	7	1778mm	1114mm	1549mm	571kg	652kg
	8	1220mm	781mm	660mm	117kg	134kg
	9	1740mm	1220mm	1725mm	1035kg	1182kg
	10	1440mm	685mm	660mm	100kg	114kg
	11	1440mm	685mm	660mm	100kg	114kg
	12	1440mm	685mm	660mm	100kg	114kg
	13	1440mm	685mm	660mm	100kg	114kg
	14	2465mm	1075mm	1412mm	100kg	114kg
	15	1740mm	1225mm	1390mm	100kg	114kg
Total of Packages: 15 "wooden box"						

GENERAL SPECIFICATIONS

- Operating temperature:
-20°C to 40°C
(-40°C to 55°C optional)
- Storage temperature:
-40°C to 55°C
- Humidity:
0% to 99% (non-condensing)
- Power supply:
380Vac +/- 10%, three-phase + neutral + ground, 50/60Hz +/- 3Hz
- Power:
30kVA



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X-RAY SCANNERS

