X-ray television system B2scan 180180D

The B2scan 180180D is an advanced dual energy cargo X-ray inspection system. Being equipped with two X-ray generators, it displays the object under inspection in two projections. With a tunnel size of 1820 mm x 1820 mm (W x H), it is ideal for inspecting aircraft containers and pallets at airports.

Along with unmatched ergonomics, reliability and safety, **B2scan 180180D** X-ray television systems provide excellent image quality and improved material classification.

Two projections of the inspected object are displayed each on a separate monitor, so dangerous items and contraband hidden under the overlapping zone are more likely to be detected. X-ray television system **B2scan 180180D** has the function of automatic detection of explosives and drugs.

Technological features

- Designed for inspection of pallet loads with tunnel dimensions sufficient for inspection of LD2, LD3, LD3-45 containers
- Two powerful 320 kV X-ray generators are capable of penetrating even large and dense objects, reducing re-inspection time
- High quality image with 38 AWG wire resolution and 75 mm steel penetration
- X-ray dose rate around the equipment is close to the natural background level, which complies with all current international health and safety standards
- Functionality of step-by-step, continuous and local zooming provides convenient and fast image magnification
- The resulting images can be saved in common formats (BMP, JPG, PNG) and transferred to an external USB drive
- Ergonomic design of keyboard and user interface ensures efficient and professional operation of X-ray unit
- Modular design combined with built-in diagnostics ensures efficient maintenance of equipment
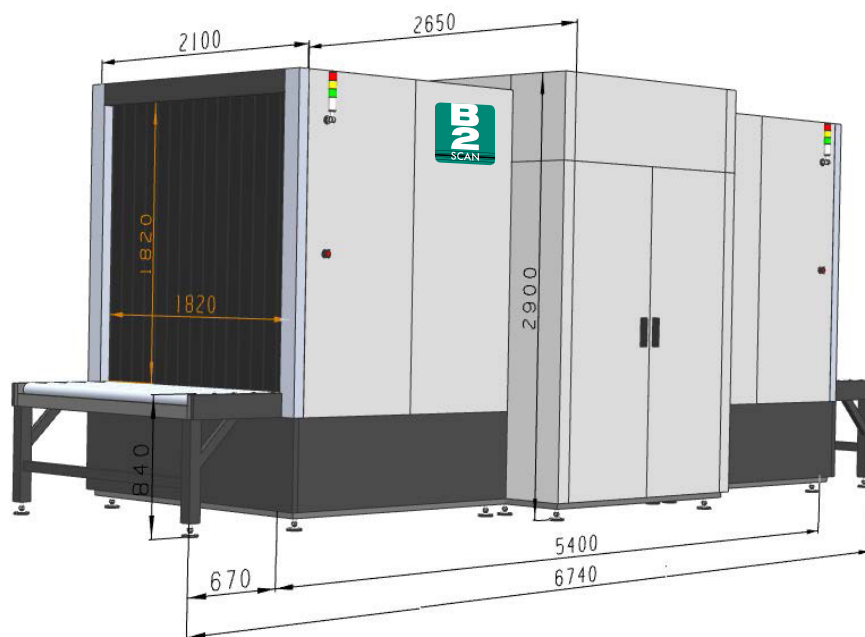
Additional options:

1. B2secure AI. This is a unique function of automatic identification of dangerous objects using artificial intelligence. The neural network allows instant detection of cold and firearms, both serial and home-made, including those made of composite materials, as well as its parts: cages, ammunition, fuses, detonators, blades, regardless of their position in the luggage and scanning angle
2. Multi-touch sensor monitor
3. Vandal-proof operator workstation, lockable with a key.

www.b2scan.ru
+7 (495) 181 7757 | info@b2scan.ru |

Equipment drawing

General specifications		Performance specifications	
Tunnel dimensions	1820 mm (W) × 1820 mm (H)	Wire resolution	38 AWG / 0.10 mm
Conveyor speed	0,24 m/s	Steel penetration	75 mm
Conveyor height	840 mm (adjustable)	X-ray dose per inspection	Less than 8m3v
Max load	5000 kg at uniform distribution	Display monitor	Dual 21.5" LED, high resolution
Image processing system		**Health and safety**	
Image Processing Functions	Color / BW, organic / inorganic stripping, variable absorption rate, super enhancement, negative, high / low penetration, pseudo color, etc.	X-ray dose rate	Less than 1m3v/hr (5 cm from the housing) complies with all published international standards
Classification of materials (by color)	Organic – orange; Inorganic – blue; mixture and light metal – green	Film safety	Guaranteed for high speed film up to ASA/ISO 1600 (33 DIN)
ROI & Zoom	Selectable image zoom regions, 1 ~ 64 times enlargement	**Installation data**	
Image recall	Preceding image recallable	Dimensions / weight	6740 mm (L) × 2650 mm (W) × 2900 mm (H) / 9000 kg
Data storage capacity	Up to 100 000 images	Storage temperature	-40 °C~+60 °C
Additional functions	Date / time display, luggage counter, operation log, user management, X-ray television system / X-ray generator operating time counters, power on self-test, built-in diagnostics facility, dual direction scan, image recognition training	Operating temperature	0 °C~+40 °C
		Humidity	5% ~ 95% non-condensing
		Power supply	AC 220V (15%~+10%) 50 Hz / 60 Hz ± 3 Hz
		Power consumption	3.5 kVA