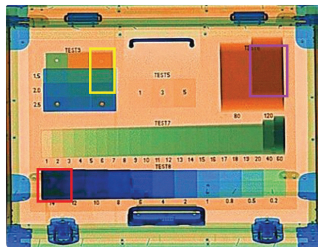# B2scan 10080D

X-ray inspection machine B2scan 10080D is an advanced dual-energy X-ray inspection of hand luggage, baggage and cargo. Being equipping with two X-ray generators it provides a viewing of the checked object in two projections. With tunnel dimensions of 1010 mm × 810 mm (W × H) it is ideal for inspection of hand luggage, baggage and cargo at airports, railway stations, customs posts, ports, etc.

Along with unmatched ergonomics, reliability and safety, **B2scan 10080D** introscopes 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. Introscope **B2scan 10080D** has the function of automatic detection of explosives and drugs.

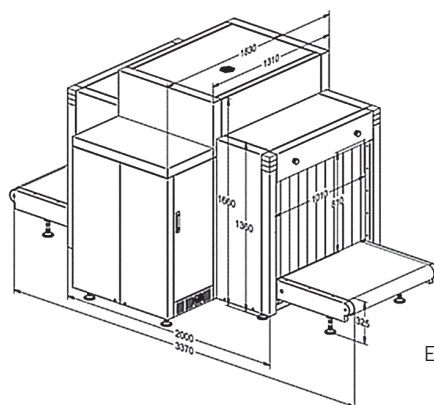Automatic detection of explosives / drugs and alerts

Improved classification of materials: orange – organic, blue – metals, green – mixed materials

Technological peculiarities

- High image quality with 40 AWG wire resolution and the penetrating power of steel is 34 mm.
- The X-ray dose rate around the equipment is close to the natural background level, which corresponds to all applicable international health standards and occupational safety.
- Automatic detection of explosives / drugs.
- TIP (projection of the image of dangerous objects) is a very effective way to train operators and control their work.
- Functional stepwise, continuous and local scaling provides convenient and quick magnification of the resulting image.
- The resulting images can be saved in common formats (BMP, JPG, PNG) and transfer to an external USB drive.

- The ergonomic design of the keyboard and user interface ensures effective and professional work of X-ray television introscope.
- The modular design, combined with built-in diagnostics, ensures efficient maintenance of the equipment.
- Data transmission over a local network using the TCP / IP family of protocols.
- Information exchange with the system of collecting results of technical monitoring and control using a unified data transfer protocol and an XML-based metadata.

www.b2scan.ru

Equipment drawing

General specifications		Operating characteristic	
Tunnel dimensions	1010mm(W) × 810mm(H)	Wire Resolution	40 AWG / 0,08mm
Conveyor speed	0,2 m/s	Steel penetration	34 mm
Conveyor height	325mm	X-ray dose during the inspection	less than 3,5 mSv
Maximum load capacity	200 kg with an even distribution	Monitor	LCD, 21.5 inches, high resolution 1920×1080
Image processing system		**Health and safety**	
Image processing functions	Color / BW image, organic / inorganic removal, change in absorption level, super-enhancement, negative image, high / low penetration, pseudocolor, etc.	X-ray dose rate	Less than1 mSv /h (5 cm from the body) meets all applicable international standards
Material classification (by color)	Organic: orange, inorganic: blue, mixtures and light metals: green	Safety for photographic films	Guaranteed for highly sensitive film up to ASA/ISO 1600 (33 DIN)
Scaling	Selectable image scaling areas, magnification 1 ~ 64 times	**Installation data**	
Image return	Viewing previous images	Dimensions/weight	3370 mm (L) × 1830 mm (W) × 1660 mm (H)/ 1100 kg
Memory capacity	Up to 100 000 images	Storage temperature	-40°C~+60°C
Additional functions	Date / time display, baggage counter, transaction log, user management, System-on/X-ray-on timers / Power-on self-test, built-in diagnostics tools, bi-directional scanning, image recognition training	Operating temperature range	0°C~+40°C
		Humidity	5%~95% non-condensing
		Power supplies	AC power 220B(15%~+10%) 50 Hz / 60 Hz ± 3 Hz
		Power consumption	1,5 kVA