

# B2scan 100120D

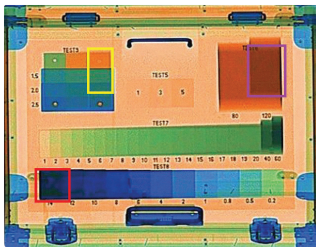
X-ray inspection machine **B2scan 100120D** is an advanced dual-energy X-ray inspection of hand luggage, baggage and cargo. Being equipped with two X-ray generators it provides a viewing of the checked object in two projections. With tunnel dimensions 1010 mm x 1205 mm (W x H) it is ideal for inspection of hand luggage, baggage and cargo at airports, railway stations, customs posts, ports, etc.

Along with unmatched ergonomics, reliability and safety, **B2scan 100120D** introscope provides 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 100120D** has the function of automatic detection of explosives and drugs.



Automatic detection of explosives / drugs and alerts



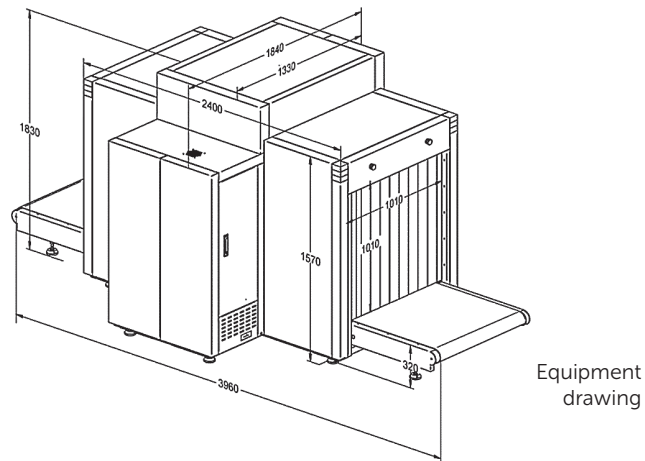
Improved classification of materials: orange – organic, blue – metals, green – mixed materials

## Technological peculiarities

- High image quality with 38 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](http://www.b2scan.ru)





General specifications		Operating characteristic	
Tunnel dimensions	1010 mm (W) x 1205 mm (H)	Wire Resolution	38 AWG / 0,10 mm
Conveyor speed	0,2 m/s	Steel penetration	34 mm
Conveyor height	320 mm	X-ray dose during the inspection	less than 3,5 mSv
Maximum load capacity	200 kg with an even distribution	Monitor	2 monitors, LCD, 21.5 inches, high resolution 1920 x 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 than 1 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	4150 mm (L) x 1840 mm (W) x 2050 mm (H) / 1400kg
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