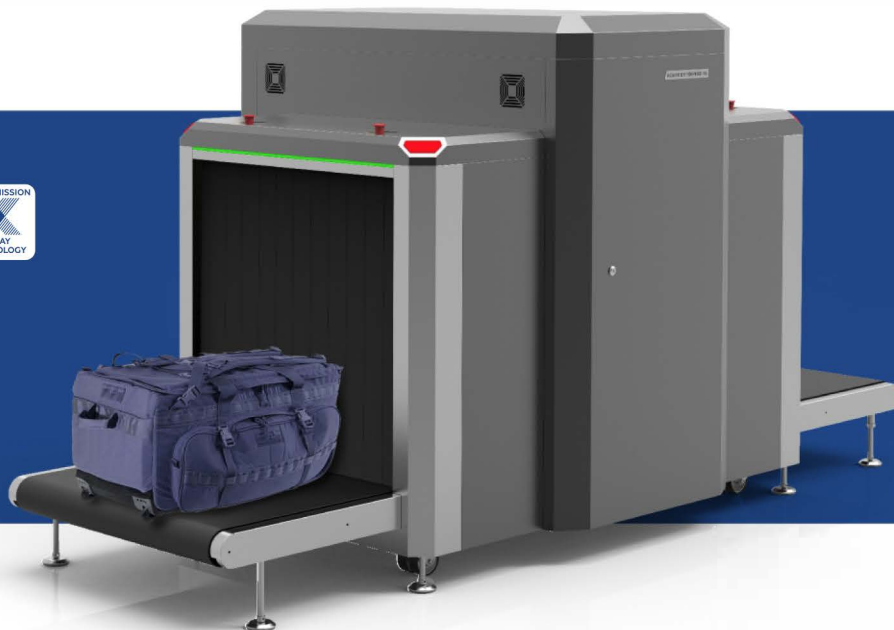


# BV 100100TB IS ESPECIALLY DESIGNED FOR QUICK, ACCURATE AND HANDSFREE INSPECTION OF BAGGAGE AND SMALL CARGO



## X-RAY BAGGAGE INSPECTION

### BV 100100TB

This X-ray scanner offers a sophisticated technology, large tunnel size and minimum inspection time with no need for unpacking and opening the inspected objects.

The BV 100100TB system is a very convenient and effective solution for sites where large baggage and small cargo control is required. This X-ray machine has an easy loading design with a lower deck pallet of just 300 mm [11.81"]

This security system meets the requirements of customs facilities, airports, logistics companies or wherever security screening of heavy packages is required. The X-ray machine guarantees high throughput and effective screening.



AIRPORTS



SECURITY CHECKPOINTS



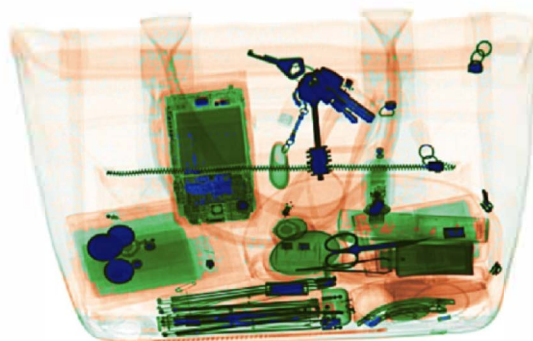
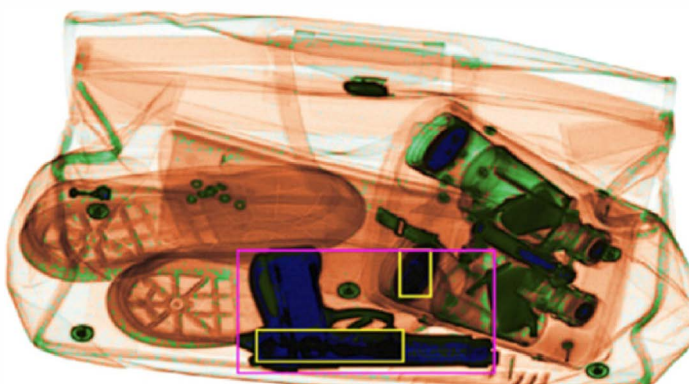
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Product comply with applicable international health and safety regulations including USA FDA X-ray systems (Federal Standard 21CFR 1020.40)



**ADANI**

from ideas to solutions

### Specifications

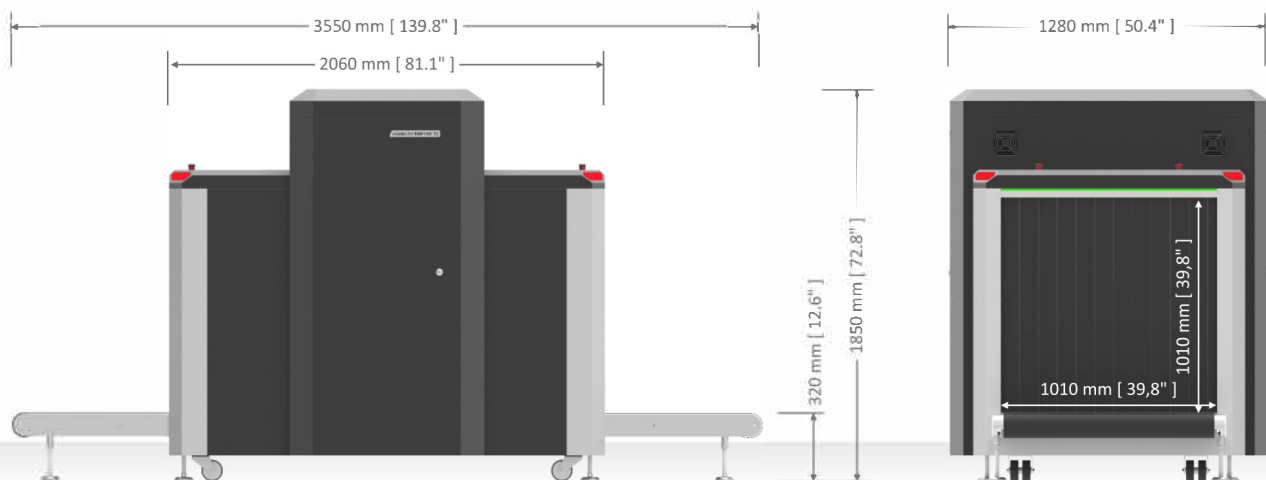
Tunnel dimensions (WxH)	1010x1010 mm [ 39.8"x 39.8" ]	
Conveyor speed	0,22 ± 0,03 m/s [0.49 ± 0.06 mph]	
Load on the conveyor	Max 200 kg [ 441 lbs ]	
Anode	Standard 140 kV / High 160 kV	
Steel penetration in high mode	GUARANTEED 34 mm [ 1.33" ]	TYPICAL 36 mm [ 1.41" ]
Wire detectability	0.1 mm (38 AWG)	
Dual-energy detector	Yes	
Number of colors within the X-ray image	7 and 3	
Dimensions (LxWxH)	3550 x 1280 x 1850 mm [ 139.8"x 50.4"x 72.8" ]	
Weight	950 kg [ 2094 lbs ]	
Power Supply	120/230 VAC ± 5%, 50/60 Hz	
Power Consumption	Max 0,9 kVA	
Operating temperature	from 0° to + 40 °C	
Humidity	up to 98%, non condensing	

### List of software features available to an operator

- ▶ Automatically calibrating and normalizing the X-ray detector
- ▶ Highlighting optically dense objects
- ▶ Adjusting contrast of strongly absorbing objects
- ▶ Inverting images
- ▶ Gamma-correction of images
- ▶ Optimizing the overall contrast
- ▶ Coloring substances with atomic numbers from a selected range
- ▶ Pseudocoloring objects
- ▶ Displaying organic objects with atomic numbers equal to 7, 8, and 9
- ▶ Displaying substances according to a selected range of signal strength
- ▶ Zooming images up to 96x
- ▶ Automatically saving X-ray images in archive
- ▶ Browsing the image ( JPEG format ) archive
- ▶ Copying images on external storage media
- ▶ TIP
- ▶ Counting inspected baggage
- ▶ Preparing service reports

### Key features

- ▶ Cost-effective solution
- ▶ Proven reliability
- ▶ Simple interface
- ▶ Real-time self-diagnostics
- ▶ Automatic identification of suspicious objects (drugs, explosives) and highlighting of optically dense objects
- ▶ Multilanguage interface
- ▶ Quick start-up and shutdown
- ▶ The fault-tolerant configuration of acquisition / analysis workstation
- ▶ Availability 7 and 3 colors imaging



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Compliant with standards for cabinet X-ray systems  
(USFDA, Center for Devices and Radiation Health, 21-CFR 1020.40)  
Typical radiation leakage is less than 0.1 mR/hr (1 µSv/hr)  
(Leakage less than 0.5 mR/hr permitted by the Federal Standard)  
Guaranteed even for high speed films up to ISO 1600 (33 DIN)

With continual development of our products ADANI reserves the right to make changes to the design and specifications at any moment and without notice.