

ESPECIALLY DESIGNED FOR QUICK,  
ACCURATE AND HANDSFREE INSPECTION  
OF BAGGAGE AND SMALL CARGO



# X-RAY BAGGAGE INSPECTION SYSTEMS

BV 100100TB

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

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

BV 100100TB meets the requirements of customs facilities, airports, logistics companies or wherever security screening of heavy packages is required. It guarantees high throughput and effective screening.



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from ideas to solutions

# X-RAY BAGGAGE INSPECTION SYSTEMS

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## KEY FEATURES

- ▶ COST-EFFECTIVE SOLUTION
- ▶ PROVEN RELIABILITY
- ▶ SIMPLE INTERFACE
- ▶ REAL-TIME SELF-DIAGNOSTICS
- ▶ AUTOMATIC IDENTIFICATION OF SUSPICIOUS OBJECTS
- ▶ MULTILANGUAGE INTERFACE
- ▶ QUICK START-UP AND SHUTDOWN
- ▶ THE FAULT-TOLERANT CONFIGURATION OF THE SYSTEM

## OPTIONS

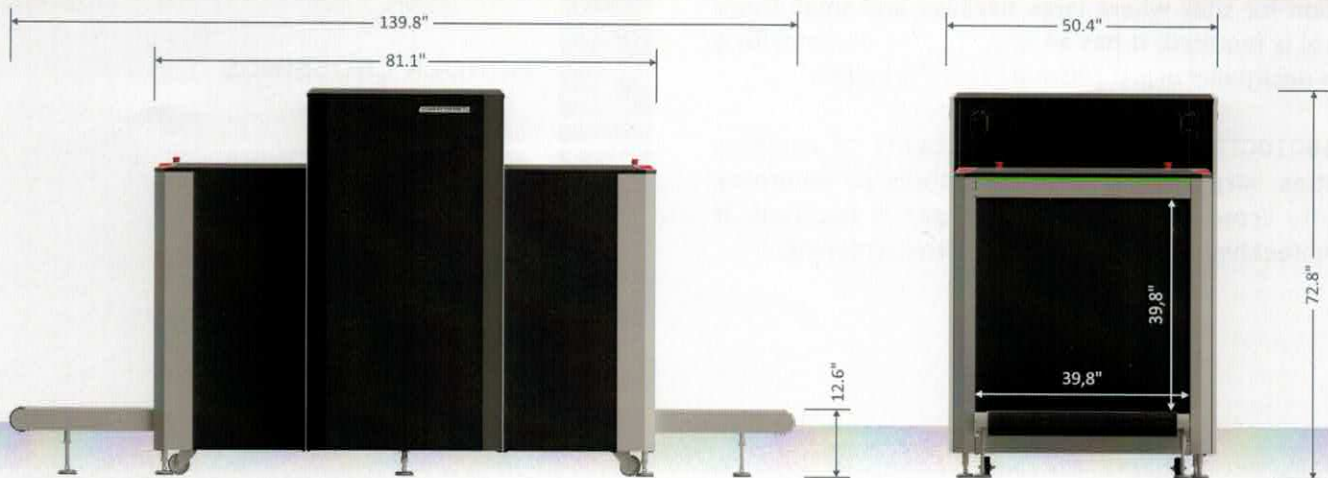
- ▶ ENTRY / EXIT ROLLERS OF VARIOUS LENGTH
- ▶ OPERATOR'S DESK
- ▶ SET OF TEST OBJECTS
- ▶ TWO MONITORS FUNCTIONALITY
- ▶ TOUCHSCREEN OPERATION
- ▶ RAMP
- ▶ UNINTERRUPTIBLE POWER SUPPLY

## Specifications

Tunnel dimensions (WxH)	39.8" x 39.8"	
Conveyor speed	0.49 ± 0.06 mph	
Load on the conveyer	441 lbs	
Anode voltage	Standard 140 kV / High 160 kV	
Steel penetration in high mode	GUARANTEED 1.33"	TYPICAL 1.41"
Wire detectability	38 AWG	
Dual-energy detector	Yes	
Number of colors within the X-ray image	7 and 3	
Dimensions (LxWxH)	139.8" x 50.4" x 72.8"	
Weight	2094 lbs	
Power Supply	120/230 VAC ± 5%, 50/60 Hz	
Power Consumption	Max 0,9 kVA	
Operating temperature	from 32 to 104 °F	
Humidity	up to 90%, 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 of images
- ▶ 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
- ▶ Threat Image Projection (TIP)
- ▶ Counting inspected baggage
- ▶ Preparing service reports



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)



Authorized Representative in EU/EC



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