

**ADVANCED X-RAY INSPECTION SYSTEM
FOR EFFECTIVE SCREENING OF MID-SIZE CARGO,
LARGE BAGGAGE AND PACKAGES**



X-RAY BAGGAGE INSPECTION

BV 160180

The BV 160180 is the optimal security solution for inspection of mid-size cargo, heavy baggage and large packages. The low conveyor design makes it easier to load and unload cargo and goods.

The BV 160180 detects in a matter of second weapons, explosives (including plastic explosives), knives, drugs and other dangerous objects which may represent a safety hazard. This is an ergonomic, reliable and effective security solution.



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BORDER CROSSINGS



EXCLUSIVE SUPPLIER FOR ITALY

FLY TECHNOLOGIES

www.flytechnologies.eu

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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

KEY FEATURES

- ▶ OVERSIZE DIMENSION OF THE TUNNEL
- ▶ INCREASED LOAD CAPACITY
- ▶ PROVEN RELIABILITY
- ▶ SIMPLE INTERFACE
- ▶ REAL-TIME SELF-DIAGNOSTICS
- ▶ AUTOMATIC IDENTIFICATION OF SUSPICIOUS OBJECTS
- ▶ MULTILANGUAGE INTERFACE

OPTIONS

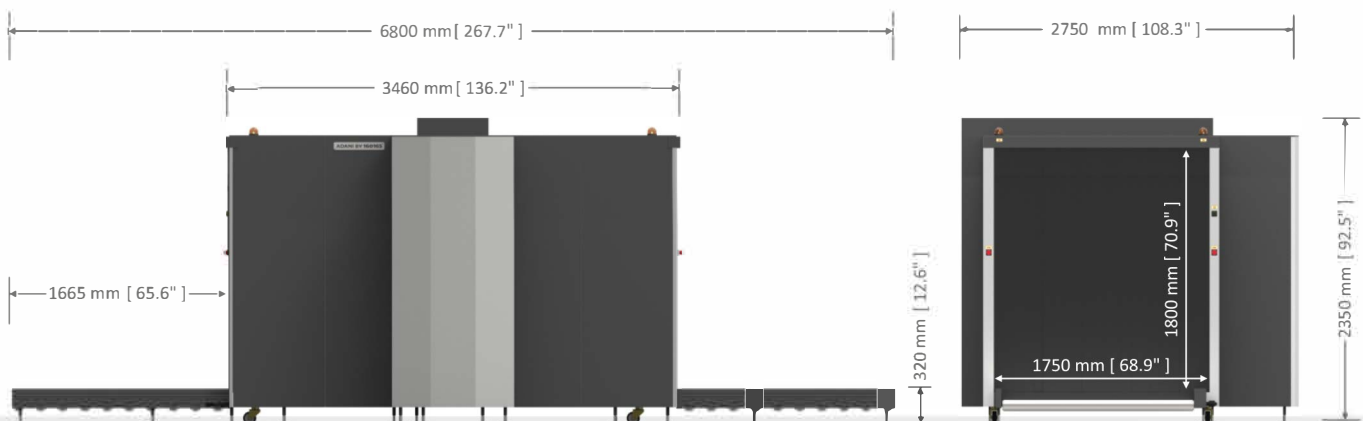
- ▶ SET OF TEST OBJECTS
- ▶ TWO MONITOR FUNCTIONALITY
- ▶ TOUCHSCREEN OPERATION FUNCTIONALITY

Specifications

Tunnel dimensions (WxH)	1750±3 x 1800±5 mm [68.9"x 70.9"]
Conveyor speed	0,22 ± 0,03 m/s [0.49 ± 0.06 mph]
Load on the conveyer	Max 3000 kg [6614 lbs]
Anode	200 kV
Steel penetration in high mode	GUARANTEED 34 mm [1.33"] TYPICAL 36 mm [1.41"]
Wire detectability	0.13 mm (36 AWG)
Dual-energy detector	Yes
Number of colors within the X-ray image	7 and 3
Dimensions (LxWxH)	6800 x 2750 x 2350 mm [267.7" x 108.3" x 92.5"]
Weight	3000 kg [6614 lbs]
Power Supply	120/230 VAC ± 5%, 50/60 Hz
Power Consumption	Less than 3.0 kVA
Operating temperature	from 0° to + 40 °C
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 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



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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.



Authorized Representative in EU/EC

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