

**OPTIMAL SOLUTION FOR QUICK AND
ACCURATE INSPECTION OF PARCELS,
SMALL AND MID-SIZE BAGGAGE**



X-RAY BAGGAGE INSPECTION

BV 6045

The BV 6045 is a reliable, optimal and cost-effective security solution which provides enhanced threat and contraband detection capabilities. The system is intended to make security screening process effective, fast and at most automated.

Due to its optimal tunnel size configuration, the system can be used at any facilities and within any application scenario. It does not require any additional security infrastructure and if necessary can be easily relocated.

High image quality in combination with advanced image processing tools and threat detection assistance software allows the operator to quickly and effectively evaluate any luggage content without any negative impact on throughput capacity.



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**GOVERNMENTAL BUILDINGS
COURT HOUSES**



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HOTEL COMPLEXES**



**CRUISE SHIPS
CRITICAL INFRASTRUCTURE**



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

- ▶ COST-EFFECTIVE SOLUTION
- ▶ PROVEN RELIABILITY
- ▶ SIMPLE INTERFACE
- ▶ AUTOMATIC IDENTIFICATION OF SUSPICIOUS OBJECTS
- ▶ AUTOMATIC GUN DETECTION SOFTWARE
- ▶ MULTILANGUAGE INTERFACE
- ▶ QUICK START-UP AND SHUTDOWN
- ▶ THE FAULT-TOLERANT CONFIGURATION OF THE SYSTEM

OPTIONS

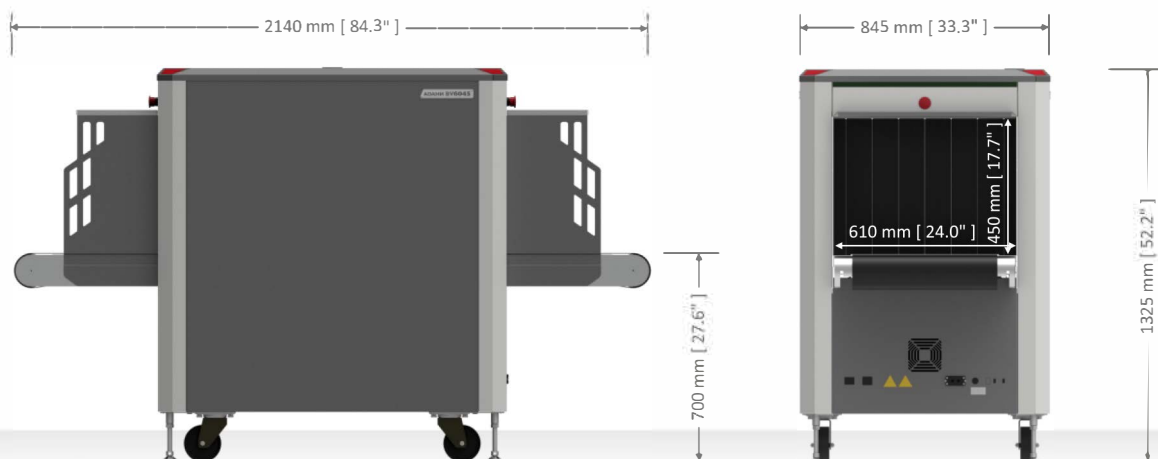
- ▶ ENTRY / EXIT ROLLERS OF VARIOUS LENGTH
- ▶ OPERATOR'S DESK
- ▶ SET OF TEST OBJECTS
- ▶ TWO MONITOR FUNCTIONALITY
- ▶ TOUCHSCREEN OPERATION FUNCTIONALITY
- ▶ UNINTERRUPTIBLE POWER SUPPLY

Specifications

Tunnel dimensions (WxH)	610 x 450 mm [24.0" x 17.7"]
Conveyor speed	0,22 ± 0,03 m/s [0.49 ± 0.06 mph]
Load on the conveyor	Max 180 kg [397 lbs]
Anode	Standard 140 kV / High 160 kV
Steel penetration in high mode	GUARANTEED 36 mm [1.42"] TYPICAL 37 mm [1.46"]
Wire detectability	0.08 mm (40 AWG)
Dual-energy detector	Yes
Number of colors within the X-ray image	7 and 3
Dimensions (LxWxH)	2140 x 845 x 1325 mm [84.3" x 33.3" x 84.3"]
Weight	410 kg [904 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 90%, non condensing

List of software features available to an operator

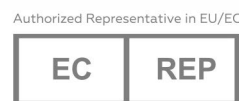
- ▶ Automatically calibrating and normalizing the X-ray detector
- ▶ Highlighting optically dense objects
- ▶ Adjusting contrast of strongly absorbing objects
- ▶ Inverting images
- ▶ Gamma-correction of images
- ▶ Optimizing the overall contrast
- ▶ Coloring substances with atomic numbers from a selected 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
- ▶ Real-time self-diagnostics



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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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