

**SMALL AND ADVANCED X-RAY INSPECTION SYSTEM
FOR QUICK AND EFFECTIVE CONTACT-FREE
INSPECTION OF SMALL BAGS, BRIEFCASES AND BACKPACKS**



X-RAY BAGGAGE INSPECTION

BV 5030



This compact but powerful security solution can easily detect weapons (including plastic and ceramic arms), explosives (even liquid explosives), drugs, primers and any other dangerous and forbidden objects.

The BV 5030 is a small system with huge security protection potential. Due to its compact and ergonomic design the X-ray machine can be easily and immediately deployed in any facility where high security control is needed.

The BV 5030's innovative security screening technology in combination with well developed software are intended to acquire, visualize and process digital X-ray images that clearly illustrate for an operator the content of the inspected bags and briefcases, thereby avoiding even a small possibility of carry in any dangerous or forbidden objects.

Incorporating excellent image quality, small size and high throughput capacity the BV 5030 can cover a wide range of security needs, thus becoming ideal solution for security sensitive locations with restricted space for creation of special security infrastructure.



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**PUBLIC EVENTS VENUES
BANKS**



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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
- ▶ OPTIMAL IMAGE QUALITY
- ▶ PROVEN RELIABILITY
- ▶ AUTOMATIC IDENTIFICATION OF SUSPICIOUS OBJECTS (DRUGS, EXPLOSIVES) AND HIGHLIGHTING OF OPTICALLY DENSE OBJECTS
- ▶ SIMPLE INTERFACE
- ▶ REAL-TIME SELF-DIAGNOSTICS
- ▶ MULTILANGUAGE INTERFACE
- ▶ QUICK START-UP AND SHUTDOWN

OPTIONS

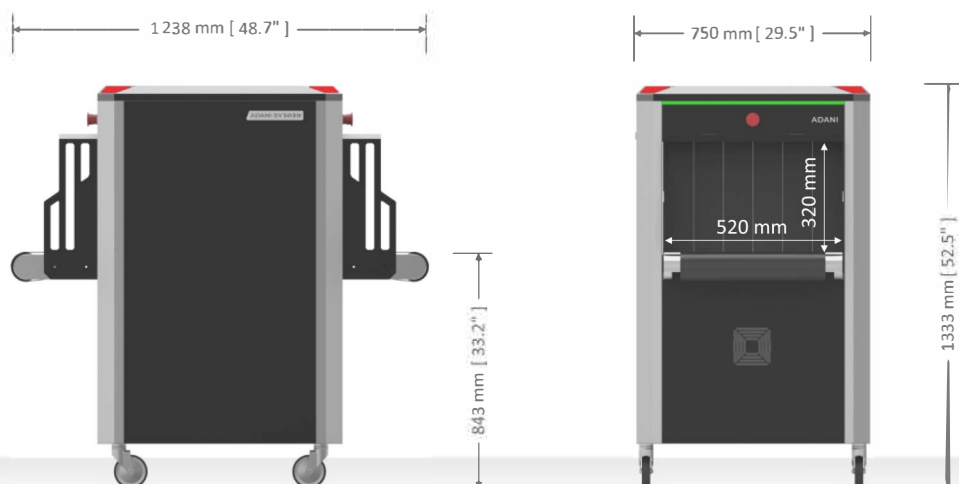
- ▶ ENTRY / EXIT ROLLERS OF VARIOUS LENGTH
- ▶ OPERATOR'S DESK
- ▶ SET OF TEST OBJECTS
- ▶ TWO MONITOR FUNCTIONALITY
- ▶ TOUCHSCREEN OPERATION FUNCTIONALITY
- ▶ UNINTERRUPTIBLE POWER SUPPLY

Specifications

Tunnel dimensions (WxH)	520 x 320 mm [20.5" x 12.6"]
Conveyor speed	0,22 ± 0,03 m/s [0.49 ± 0.06 mph]
Load on the conveyer	Max 165 kg [364 lbs]
Anode	160 / 140 / 90 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)	1250 x 750 x 1335 mm [49.2" x 29.5" x 52.5"]
Weight	365 kg [804 lbs]

List of software features available to an operator

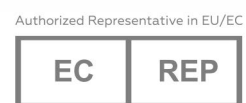
- ▶ High density objects alarm feature
- ▶ Outlining of dangerous objects (which could be identified as drugs, explosives or weapons)
- ▶ Highlighting of objects with calculated atomic numbers of 7, 8, and 9 intended to assist operator with threat detection
- ▶ Threat Image Projection function (TIP)
- ▶ Pseudo-coloring of images
- ▶ Contrast adjusting of strongly absorbing objects
- ▶ Gamma-correction of images
- ▶ Images inversion
- ▶ Optimization of the overall contrast: combination of edge enhancement and local contrast enhancement algorithms
- ▶ Zooming in (up to 96x)
- ▶ Quick system start-up (about 30 sec)
- ▶ Image scrolling



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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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