

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**



ADANI

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



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from ideas to solutions

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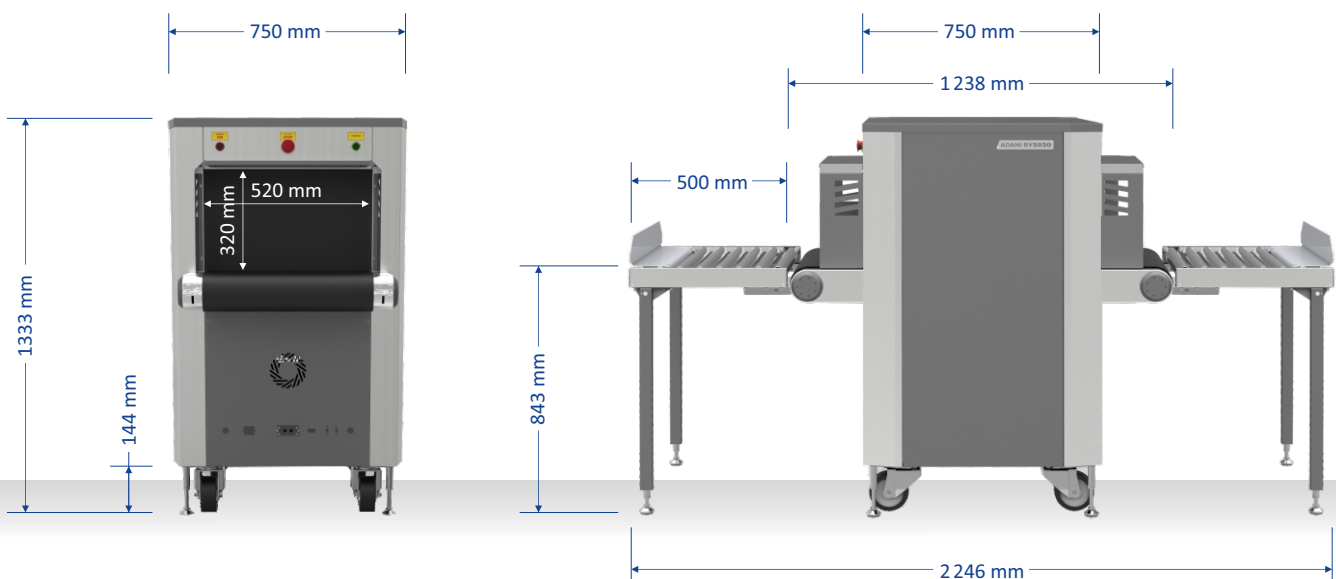
- ▶ PROVED RELIABILITY
- ▶ AUTOMATIC DETECTION OF SUSPICIOUS ITEMS
- ▶ HIGH THROUGHPUT CAPACITY
- ▶ EXCELLENT IMAGE QUALITY
- ▶ EVIDENT MATERIAL DISCRIMINATION
- ▶ EASY-TO-OPERATE AND USER-FRIENDLY INTERFACE
- ▶ DUAL-ENERGY X-RAY DETECTOR
- ▶ AUTOMATIC SYSTEM PERFORMANCE DIAGNOSTICS

Specifications

Tunnel dimensions (WxH)	520 x 320 mm 20.5" x 12.6"
Conveyor speed	0,22 ± 0,03 m/s
Maximum distributed load on the conveyor	160 kg / 352 lbs
Generator	160 / 140 / 90 kV
Steel penetration	Up to 36 mm / 1.4"
Wire detectability	40 AWG
Dual-energy detector	Yes
Number of colors within the X-ray image	4
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 and 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
- ▶ Optimization of the overall contrast: combination of edge enhancement and local contrast enhancement algorithms
- ▶ Gamma-correction of images
- ▶ Image inversion
- ▶ Zooming in (up to 96x)
- ▶ Quick system start-up (about 30 sec)
- ▶ Image scrolling



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