

# COMPACT, LIGHTWEIGHT AND PORTABLE X-RAY SYSTEM FOR EFFECTIVE INSPECTION OF MATTRESSES



## PREVENTIVE DETECTION SYSTEMS

### BV M.A.X.

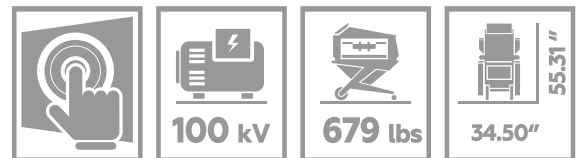
The BV M.A.X. is a compact mobile conveyor type X-ray screening system for fast, effective and contact-free inspection of mattresses and inmates' personal property.

Due to the compact design and special wheels the BV M.A.X. can be easily relocated and deployed wherever security inspection is needed. The BV M.A.X. will fit through standard interior doorways.

This movable and highly versatile tool is the first system designed specifically to address the problem of contraband hidden in mattresses.

It can be brought directly to cell blocks or dormitories to greatly assist the inspection process. It is created to eliminate the need to fold mattresses to fit into conventional X-ray inspection systems.

The BV M.A.X. has also a standard baggage scanner functionality to inspect mail and personal property.



PRISONS AND JAILS



JUVENILE DETENTION FACILITIES



SHELTERS



RESIDENTIAL TREATMENT  
CENTERS



WORK / BOOT CAMPS



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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

## Specifications

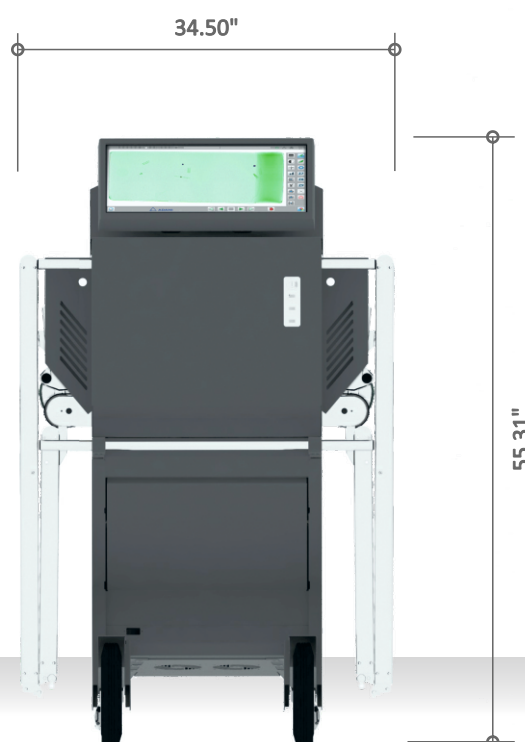
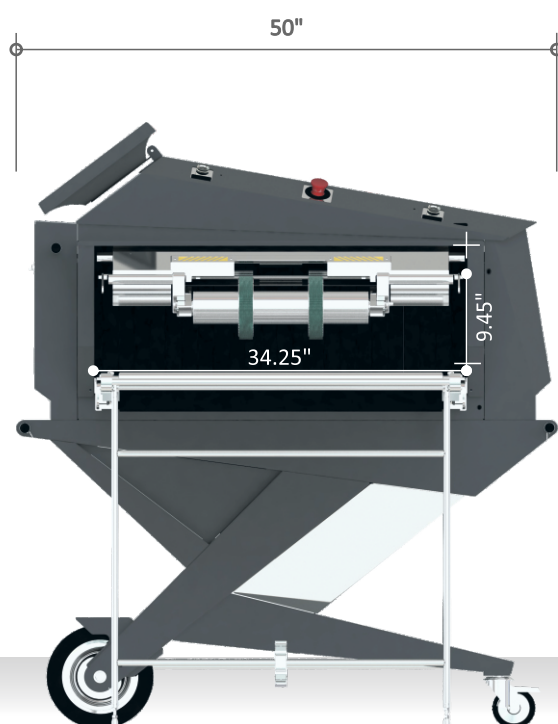
Tunnel dimensions (WxH)	870 x 240 mm [34.25" x 9.45"]
Conveyor speed	0,22 ± 0,03 m/s [0.49 ± 0.06 mph]
Maximum distributed load on the conveyor	15 kg [33.07 lbs]
Generator	100 kV (max. voltage - 160 kV)
Angle of radiation	15 degrees
Steel penetration	14 mm [0.55 "]
Wire detectability	at least 36 AWG
Dual-energy detector	Yes
Number of colors within the X-ray image	4
Dimensions (LxWxH)	877 x 1270 x 1405 mm [34.50" x 50" x 55.31"]
Weight	308 kg [677.38 lbs]

## List of software features available to an operator

- ▶ Automatic detection of most common contraband
- ▶ Can process mattresses of most suppliers
- ▶ Automated inspection process
- ▶ No need for special training
- ▶ Contraband detection assistance software
- ▶ Simple and user-friendly touch screen interface
- ▶ Fits through standard doorways
- ▶ On-board and networked data storage
- ▶ Remote diagnostics feature
- ▶ Image review and other advanced software features
- ▶ Optional special stair-stepping wheels
- ▶ Network integration
- ▶ Ready for barcode reader, camera, RFID, ID reader

## Installation requirements

Operating temperature	from +50° to +95° F	Power Supply	110/230 VAC ± 10%, 50/60 Hz
Humidity	up to 90%	Power Consumption	Max 0,6 kVA



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