

PB140

Portable Backscatter Scanner



Product Overview

The PB140 portable backscatter X-ray machine utilizes backscatter imaging technology. By emitting low-dose X-rays and capturing the scattered rays from both the surface and interior of the object, it generates high-definition internal images without the need for complete penetration. This makes it especially effective for detecting contraband and dangerous goods hidden under the surface or in shallow layers of objects, such as explosives, drugs, smuggled items, and electronic devices like eavesdropping and tracking equipment.

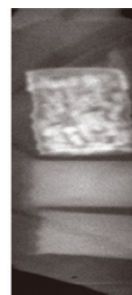
Specification

General Specification		Power Supply	
Scan Speed	150 ~ 300mm/s	Operating Time	6hrs (depending on operational characteristics)
Scan Time (max)	30s		
Generator Voltage	140kV	Penetration	
Detection Capability	Explosive & IEDS, narcotics, liquids and other light or organic materials	Steel Equivalent Penetration (steel)	7mm
Imaging Processing System		Scanner Dimensions	
Image Acquisition Mode	Real Time	System Weight	3.9kg
Imaging Processing	Image Mosaic, photographed, contrast, brightness, enhancement, pseudo color, etc	System Size	293×228×190mm

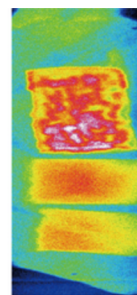
Product Features

- Capable of imaging low atomic number organic materials, especially liquid explosives, plastic explosives, and narcotics.
- The X-ray source and backscatter detector are positioned on the same side of the target, allowing for convenient inspection.
- Spot-scanning X-ray exposure ensures low dosage and minimal radiation.

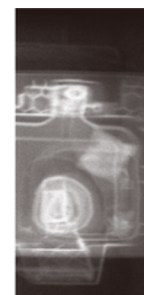
Scan Images



backscattered
image of drugs



pseudo image
of drugs



drugs under
engine-hood



drugs inside a
tire

[TRACELINE]