

# KritiScan® 7555

## Multi-energy X-ray Baggage Scanner



Color Image



### Solution's Brief

- Advanced dual energy X-Ray baggage scanner
- Highly competitive and technologically progressive
- Tunnel size - 750 mm (W) X 550 mm (H)
- Provides high resolution sharp images
- Identifies materials with color, high contrast filters
- Short inspection time
- Reliable inspection of tightly packed objects
- Ideal for checkpoints and baggage scanning at high-security premises

### About Vehant Technologies

- Vehant Technologies (formerly known as KritiKal Secure Scan)
- Incubated at **Indian Institute of Technology - Delhi (IIT-D)**, India, in August 2005
- **Founding Directors** include 5 faculty of Computer Science, IIT-Delhi
- **Inhouse development** - Physical Security Solutions; Smart & Safe City Solutions; Enterprise Analytics Solutions

### Salient Features

- Atomic number based material discrimination
- Distortion correction through software
- High accuracy with computer vision technology
- High penetration feature
- Lockable console table
- Radiation safe as per AERB
- Self-diagnosis
- Sophisticated image capture, display and archival
- Threat Image Projection



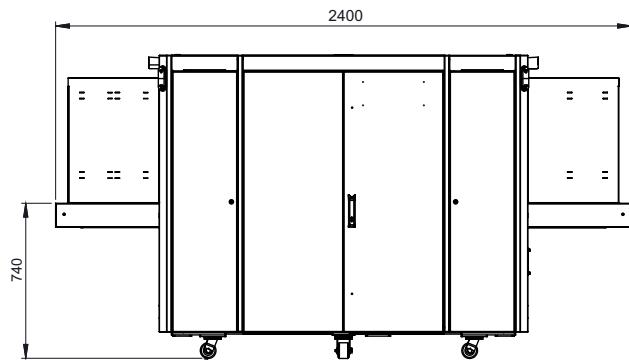
## Technical Specifications

<b>Image Processing</b>	Color/Black & White, Organic/Inorganic Stripping, Edge Enhancement, Super Enhancement, Negative Image, H/L Penetration, Pseudo Color, High Density Alert
<b>Material Classification</b>	4/6 color classification
<b>Zoom</b>	Upto 64x
<b>Double-screen Display</b>	Double-screen Joint Display, Color/Black & White Display, Double-screen Copy Display
<b>Image Recall</b>	20 images or better
<b>Image Storage</b>	100000 images, Image Simulated Playback, Image Search, Image Export
<b>Additional Features</b>	Baggage Counter, Multi-level User Management, System Work Time Counter, Self-diagnosis, User Report Management, Maintenance Warning, X-ray Work Time Counter, Threat Image Projection
<b>Optional Features</b>	Central Supervisor Console
<b>Display</b>	High Resolution 19" or better

## Equipment Specifications

<b>Tunnel Size</b>	750mm (W) * 550mm (H)
<b>Conveyor Speed</b>	0.18 ~ 0.3 m/s
<b>Max. Conveyor Load</b>	180kg (evenly distributed)
<b>Storage Temperature</b>	-20°C ~ +60°C
<b>Working Temperature</b>	-5°C ~ +50°C
<b>Working Voltage</b>	AC 230V, 50Hz
<b>Power</b>	2kVA
<b>Humidity</b>	Upto 95% (Non-condensing)

## Dimension

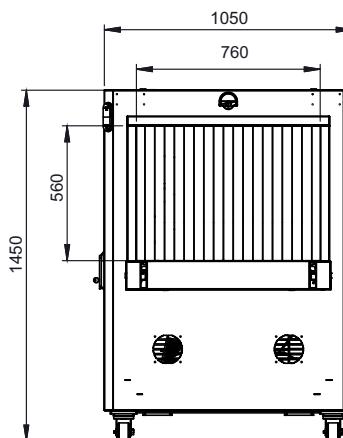


## Performance Index

<b>Line Resolution</b>	40 SWG/36 AWG
<b>Steel Penetration</b>	30 mm
<b>Image Resolution</b>	1280x1024 pixels or better

## X-Ray Generator

<b>X-Ray Direction</b>	Upward
<b>Tube Current</b>	0.3 ~ 1.2 mA (Adjustable)
<b>Cooling/Duty Cycle</b>	Sealed Oil Cooling/100%



ISO 1600 DIN film and food safety

Compliant with USFDA standards for cabinet X-ray systems (21CFR 1020.40 & CFR Part 1010)

\*Specifications are subject to change without prior notice

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