vehant
TECHNOLOGIES

KritiScan® 6040
Multi-energy X-Ray Baggage Scanner

Color Image

Solution's Brief

- Tunnel size - 610 mm (W) X 410 mm (H)
- Isolates threats with better speed and accuracy
- Sharp images with high resolution
- Based on highly accurate distortion correction and computer vision algorithms that create a virtual image
- Provides detailed view of the image to find out any threat objects easily
- Ideal for checkpoints at high-security premises such as Airports, Government offices, Railways, MRTS and other premises checkpoint applications
- Certified by AERB India for radiation hazards

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
- Dual energy based virtual imaging
- High accuracy of detection
- High penetration feature
- Lockable console table
- Radiation safe as per AERB
- Self-diagnosis
- Sophisticated image capture, display & archival
- Threat Image Projection
- AI-based Object/Shape Detection Module (Optional)

250+ People   **2** Factories   **13** Service Location
8 Offices Pan India, Indonesia, and Netherlands

FC   CE   ISO 9001:2015   MAKE IN INDIA

Technical Specifications

Image Processing	Color/Black & White, Organic/Inorganic Stripping, Edge Enhancement, Super Enhancement, Negative Image, H/L Penetration, Pseudo Color, High Density Alert
Material Classification	4/6 color classification
Zoom	Upto 64x
Double-screen Display	Double-screen Joint Display, Color/Black & White Display, Double-screen Copy Display
Image Recall	20 images or better
Image Storage	100000 images, Image Simulated Playback, Image Search, Image Export
Additional Features	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
Optional Features	Central Supervisor Console, AI based Object/Shape Detection
Display	High Resolution 19" or better

Equipment Specifications

Tunnel Size	610mm (W) * 410mm (H)
Conveyor Speed	0.18 ~ 0.3 m/s
Max. Conveyor Load	160kg (evenly distributed)
Storage Temperature	-20℃ ~ +60℃
Working Temperature	-10℃ ~ +50℃
Working Voltage	AC 230V, 50Hz
Power	1.5kVA
Humidity	Upto 95% (Non-condensing)

Dimension
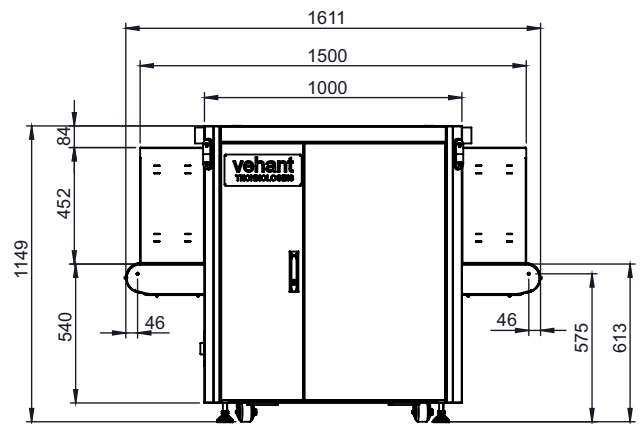
Performance Index

Line Resolution	42 SWG/38 AWG
Steel Penetration	35 mm
Image Resolution	1280x1024 pixels or better

X-Ray Generator

X-Ray Direction	Upward
Tube Voltage	100 - 160kV (Adjustable)
Tube Current	0.3 ~ 1.2 mA (Adjustable)
Cooling/Duty Cycle	Sealed Oil Cooling/100%
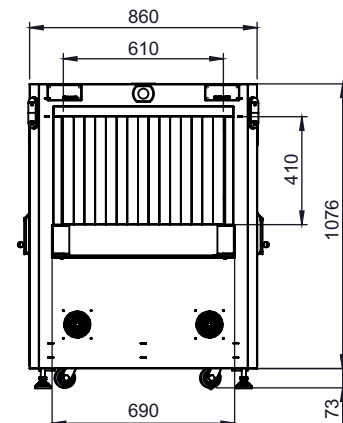
ISO 1600 DIN film and food safety
Compliant with USFDA standards for cabinet X-ray systems (21CFR 1020.40 & CFR Part 1010)
*Specifications are subject to change without prior notice

Our Offices

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