

# HI-SCAN 6040ds

Heimann X-Ray Inspection System

## Feature Highlights

- Compact solution for mobile and stationary applications
- State-of-the-Art technology with HI-MAT<sup>Plus</sup> material classification
- Tunnel opening of 60 x 40 cm
- Typical penetration 30 mm of steel, wire resolution up to AWG 39

## Optional

- HI-TIP: Threat Image Projection
- Xtrain: Operator training system
- IMS: Electronic image storage and archive
- Xport: Image export in TIF- or JPEG format incl. automatic transmission to PC via Ethernet



**HI-SCAN 6040ds** has been specially developed to prevent the smuggling of dangerous objects in briefcases, handbags, rucksacks, carrier bags etc.

It has a modern design and a robust structure, optimum dimensions and a very low weight and is ideally suited for use as a mobile inspection system.

The system is able to penetrate steel up to 30 mm. Objects of 60 cm width and 40cm height and unlimited length can be scanned routinely. **HI-SCAN 6040ds** is very easy to operate. The scanned objects can be visualized as classified material groups allowing the operator to identify the contents easily and precisely.

# Technical Information HI-SCAN 6040ds

## General Specifications

- Tunnel Dimensions 620 (B) x 420 (H) [mm] • 24.4" (B) x 16.5" (H)
- Max. Object Size 615 (B) x 410 (H) [mm] • 24.2" (B) x 16.1" (H)
- Conveyor Height <sup>1)</sup> approx. 650 mm (25.6")
- Conveyor Speed at Mains Frequency 50 Hz / 60 Hz approx. 0.2 / 0.24 [m/s]
- Max. Conveyor Load (evenly distributed) 100 kg (220.5 lbs)
- Resolution (wire detectability) <sup>3)</sup> Standard: 38 AWG (0.1 mm) • typical: 39 AWG (0.09 mm)
- Penetration (steel) <sup>3)</sup> Standard: 27 mm • typical: 30 mm
- X-ray Dose (typical) HI-MAT: 1.6 µSv (0.16 mrem)
- Film Safety Guaranteed even for high speed films up to ISO 1600 (33 DIN)
- Duty Cycle 100%, no warm-up procedure required

## X-ray Generator

- Anode Voltage • Cooling 140 kV cp • hermetically sealed oil bath
- Beam Direction diagonal

## Image Generating System

- X-ray Converter L-shaped detector line, high resolution
- Grey Levels Stored 4096
- Image Presentation B/W, color
- Digital Video Memory 1280 x 1024 / 24 bit
- Image Evaluation Functions B/W, HIGH, LOW, NEG; incl. Option HI-MAT, additionally VARI-MAT, O<sup>2</sup>, OS electronic zoom: stepless enlargement up to 16-times
- Monitor Flat Panel LCD Monitor

## Additional Features

- Features Luggage counter, user-id number, display of operating mode, Review-feature to recall previously visible image areas, zoom overview, free programmable keys
- Options HI-TIP, HI-SPOT, SEN, Xport, X-ACT, IMS (Image Management System)

## Installation Data

- X-ray Leakage meets all applicable laws & regulations w/ respect to X-ray emitting devices
- CE-Labeling in compliance with directives 2004/108/EC, 2006/42/EC, 2006/95/EC
- Sound Pressure Level < 56 dB(A)
- Operating / Storage Temperature 32°F - 104°F / -4°F - 140°F (0° - 40°C / -20°C - +60°C)
- Humidity 10% - 90% (non-condensing)
- Power Supply <sup>4)</sup> standard: 230 VAC or 110 VAC + 10% / -15% • 50 Hz / 60 Hz ± 3 Hz
- Power Consumption approx. 0.5 kVA
- Protection Class System IP 20
- Dimensions • Weight <sup>5)</sup> 1730 (L)<sup>2)</sup> x 797 (B) x 1180 (H) [mm] • approx. 340 kg  
68" (L)<sup>2)</sup> x 31.4" (B) x 46.5" (H) • approx. 748 lbs
- Mechanical Construction Steel construction with aluminum panels  
Standard color(s): RAL 7016 / stainless steel

<sup>1)</sup> approx. values (adjustable)

<sup>2)</sup> Different length of conveyor and mechanical access protection on request

<sup>3)</sup> Proprietary quality management test piece: steel step wedge, CU wires, belt speed 0.2 m/s

<sup>4)</sup> different values optional

<sup>5)</sup> without control desk, keyboard, monitor(s) etc.

