

HI-SCAN 5030si

Heimann X-Ray Inspection System

Feature Highlights

- Compact desktop solution for mobile and stationary applications
- New X-ray generator plus new sensor technology for high performance
- Tunnel opening of 50 x 30 cm
- Typical penetration 16 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 including copy function of images in TIF or JPG format to USB storage device



The **HI-SCAN 5030si** X-ray inspection system is part of a compact range that has achieved more than 3,000 installations worldwide. Planned in modular design as a tabletop system, **HI-SCAN 5030si** offers considerable flexibility, making it suitable for several different applications. Due to its small foot print and robust casters it is easily wheeled even through narrow spaces and over rugged terrain to any place where personal belongings and other items need to be screened.

HI-SCAN 5030si is ideal for use in mailrooms, entrance halls, correctional and judicial facilities, schools and many other security sensitive areas, where contact-free inspection of pouches, bags, letters or packages is required.

Technical Information HI-SCAN 5030si

General Specifications

- Tunnel Dimensions 532 (W) x 330 (H) [mm] • 21" (W) x 13" (H)
- Max. Object Size 530 (W) x 320 (H) [mm] • 20.9" (W) x 12.6" (H)
- Conveyor Height ¹⁾ approx. 190 mm (7.4") / 782.5 mm (30.6") with carriage
- Conveyor Speed at Mains Frequency 50 Hz / 60 Hz approx. 0.18 / 0.22 [m/s]
- Max. Conveyor Load (evenly distributed) 60 kg (132 lbs)
- Resolution (wire detectability) ^{3) / 4)} Standard: 38 AWG (0.1 mm) • typical: 39 AWG (0.09 mm) / 44 AWG (0.05mm)
- Penetration (steel) ³⁾ Standard: 14 mm • typical: 16 mm
- X-ray Dose (typical) HI-MAT: 0.8 µSv (0.08 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 100 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, VARI-MAT, O², OS
electronic zoom: steppless 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-labelling 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 ⁵⁾ standard: 230 VAC or 110 VAC + 10% / -15% • 50 Hz / 60 Hz ± 3 Hz
- Power Consumption approx. 0.4 kVA
- Protection Class System IP 20 / IP43
- Dimensions • Weight ⁶⁾ 1200 (L)²⁾ x 705 (B) x 726 (H) [mm] • approx. 160 kg
47.3" (L)²⁾ x 27.7" (B) x 28.6" (H) • approx. 352 lbs
- Mechanical Construction Steel construction with aluminum panels
Standard color(s): RAL 7016 / stainless steel



¹⁾ approx. values (adjustable)

²⁾ Different length of conveyor and mechanical access protection on request

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

⁴⁾ proprietary quality management test piece: Pt wires, belt speed 0.2 m/s

⁵⁾ different values optional

⁶⁾ without control desk, keyboard, monitor(s) etc.



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