

# HI-SCAN 100100V-2is

Heimann X-ray Inspection System

## Feature Highlights

- Ideal method of inspecting parcels and packages
- Dual view shortens inspection times
- Smallest footprint in its range
- Lowered conveyor height of 60 cm (23.6")
- Extended conveyor load of 220 kg (485 lbs.)
- Typical steel penetration of 37 mm in both views
- Ideal for inspecting break bulk cargo



The **HI-SCAN 100100V-2is** is specially designed to meet the requirements of airports, customs facilities, logistics companies and parcel services or whenever high security screening of a large variety of different sized packages is required.

The **HI-SCAN 100100V-2is** equipped with two 160kV generators in 90° opposition, providing a horizontal and vertical view of the screened object (Dual View). This particular screening method facilitates reliable inspections of tightly packed objects in one process and so shortening inspection times.

Its compact system design provides the highest performance with the smallest footprint. Additionally, the optimized conveyor load of 220 kg allows the fast screening of break bulk cargo.

# Technical Information HI-SCAN 100100V-2is

## General Specifications

- Tunnel Dimensions 1010 (W) x 1010 (H) [mm] • 39.7" (W) x 39.7" (H)
- Max. Object Size 1000 (W) x 1000 (H) [mm] • 39.4" (W) x 39.4" (H)
- Conveyor Height <sup>1)</sup> approx. 620 mm (24.4")
- Conveyor Speed (adjustable with frequency converter) typical 0.2 [m/s]
- Max. Conveyor Load (evenly distributed) 220 kg (485 lbs)
- Resolution (wire detectability) <sup>2)</sup> standard: 39 AWG (0.09 mm) • typical: 40 AWG (0.08 mm)
- Penetration (steel) <sup>2)</sup> standard (view A): 35 mm • typical (view A): 37 mm  
standard (view B): 35 mm • typical (view B): 37 mm
- X-ray Dose / Inspection (typical) HI-MAT: 3.4  $\mu$ Sv (0.34 mrem)
- Film Safety guaranteed up to ISO 1600 (33 DIN)
- Duty Cycle 100%, no warm-up procedure required

## X-ray Generator

- Anode Voltage • Cooling 160 kV cp • hermetically sealed oil bath
- Beam Direction view A: diagonal from side / view B: diagonal from bottom to top

## Image Generating System

- X-ray Converter L-shaped detector line
- Grey Levels Stored 4096
- Image Presentation B/W, color
- Digital Video Memory 1280 x 1024 / 24 bit
- Image Evaluation Functions VARI-MAT, O<sup>2</sup>, OS, HIGH, REVIEW, LOW, NEG  
electronic zoom: stepless enlargement: up to 64-times
- Monitor Flat Panel LCD Monitor

## Additional Features

- Functions fading-in of date/time, luggage counter, user-id number, luggage marking system (acoustic), display of operating mode, Review-feature (to recall previously visible image areas), zoom overview, free programmable keys, USB 2.0 interface, stepless zoom
- Options X-ACT, HI-TIP, HI-SPOT, SEN, XPIore, IMS (Image Store System - stores up to 100,000 images), Xport, Media Bay for RIDA (250 GB), CD/RW module

## Installation Data

- X-ray Leakage meets all applicable laws and regulations with respect to X-ray emitting devices
- CE-Labeling in compliance with directives 2004/108/EC, 2006/42/EC, 2006/95/EC
- Sound Pressure Level < 70 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>3)</sup> standard: 230 VAC or 120 VAC + 10% / -15% • 50 Hz / 60 Hz  $\pm$  3 Hz
- Power Consumption approx. 1.3 kVA
- Protection Class System IP 20 / IP 43
- Dimensions • Weight <sup>4)</sup> 3585 (L) x 1530 (W) x 1750 (H) [mm] • approx. 1050 kg  
141.1" (L) x 60.2" (W) x 68.9" (H) • approx. 2315 lbs.
- Mechanical Construction steel construction with steel panels, mounted on roller castors  
standard color: RAL 7016 (dark grey)

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

<sup>2)</sup> proprietary quality management test piece: steel step wedge, CU wires, belt speed 0.2 m/s

<sup>3)</sup> different values optional

<sup>4)</sup> without control desk, keyboard, monitor(s) etc.

