

HI-SCAN™ 130130T-2is

HEIMANN X-RAY TECHNOLOGY

New: 160 kV X-ray source – typical steel penetration 35 mm

Feature Options

- Especially developed for the integration into conveyor systems
- Ideal method of inspecting europallets and freights
- Dual view concept shortens inspection times
- Easy handling of heavy objects due to low conveyor belt
- HiTraX technology employing real time image processing
- HI-MAT Plus technology for better material distinction



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HI-SCAN 130130T-2is is a state-of-the-art X-ray inspection system for the scanning of objects up to a size of 130 cm x 130 cm (W x H). Due to its design the imaging system is perfectly suited to the inspection of large objects, freight and europallets.

The particular advantage of the system is the equipment with two generators beaming in two directions (Dual View). The second beam direction is displaced at 90° and thus facilitates reliable inspections of even tightly packed objects in only one process while shortening inspection times and increasing the effectiveness of the procedure.

Its new, innovative user concept makes it as easy to handle as the single-beam system. Even with a second beam direction, this new system is compact and highly space-saving.

Due to the low installation height of the HI-SCAN 130130T-2is conveyor belt, the connection of supplementary feed- and/or discharge conveyor systems for heavy freight is simple.

HI-SCAN 130130T-2is - the security concept for handling freight and europallets.

General Specifications

Tunnel dimensions	1310 (W) x 1320 (H) [mm] • 51.6" (W) x 52" (H)
Max. object size	1300 (W) x 1300 (H) [mm] • 51.2" (W) x 51.2" (H)
Conveyor height ¹⁾	approx. 370 mm (14.6")
Conveyor speed	typical 0.2 [m/s]
max. conveyor load even distributed ⁵⁾	250 kg (550 lbs)
Resolution (wire detectability) ²⁾	standard: 36 AWG (0.13 mm) • typical: 38 AWG (0.1 mm)
Penetration (steel) ²⁾	standard (view A): 32 mm • typical (view A): 35 mm standard (view B): 27 mm • typical (view B): 30 mm
X-ray dose / inspection (typical)	standard: 1.6 µSv (0.16 mrem) • with HI-MAT: 3 µSv (0.3 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 directions view A / view B	VA: diagonal from side / VB: diagonal from top to bottom

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 ₂ , OS, HIGH, electronic zoom: enlargement up to 64 times
Monitor	Flat Panel LCD Monitor

Additional Features

Features	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-labelling	in compliance with guidelines 2004/108/EC, 2006/42/EC, 2006/95/EC
Sound pressure level	< 70 dB(A)
Operating- / storage temperature	0° - 40°C / -20°C - +60°C
Humidity	10% - 90% (non-condensing)
Power supply ³⁾	standard: 230 VAC or 120 VAC +10% / -15% • 50 Hz / 60 Hz ± 3 Hz
Power consumption	approx. 1.75 kVA
Protection class system / keyboard	IP 20 / IP43
Dimensions • Weight ⁴⁾	3720 (L) x 2100 (W) x 2265 (H) [mm] • approx. 2200 kg 146.5" (L) x 82.7" (W) x 89.2" (H) • approx. 4850 lbs
Mechanical construction	steel construction with aluminium housing, mounted on roller castors standard color(s): RAL 7016 (dark grey), RAL B-11/W1 (blue)

1) approx. values (adjustable)
3) Conds.: steel step wedge, CU wires, belt speed 0.2 m/s

4) extended temperature range on request
5) different values optional
6) without control desk, keyboard, monitor(s) etc.

