

# HI-SCAN™ 130130T-2is HD

HEIMANN X-RAY TECHNOLOGY

New: heavy duty roller conveyor – maximum load 3500 kg (1000 kg/m)



## Feature Highlights

- Heavy duty roller conveyor, maximum load 3500 kg (1000 kg / m)
- Ideal method of inspecting europallets and freights
- Dual view concept shortens inspection times
- Easy handling of heavy objects due to low roller conveyor
- HiTraX technology employing real time image processing
- HI-MAT<sup>Plus</sup> technology for better material distinction

HI-SCAN 130130T-2is-HD is a state-of-the art X-ray inspection system for the scanning of objects up to a size of 130 cm x 124 cm (W x H). Due to its design the imaging system is perfectly suited to the inspection of large objects, freight and europallets.

The heavy duty roller conveyor allows the handling of heavy loads up to 3500 kg and therefore ideally suits the requirements for the inspection of heavy goods.

The rugged conveyor design facilitates the use of forklifts and other heavy equipment to handle the goods to be inspected.

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.

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

## General Specifications

<b>Tunnel dimensions</b>	1310 (W) x 1260 (H) [mm] • 51.6" (W) x 48" (H)
<b>Max. object size</b>	1300 (W) x 1240 (H) [mm] • 51.2" (W) x 47.2" (H)
<b>Conveyor height</b> <sup>1)</sup>	approx. 430 mm (16.9")
<b>Conveyor speed</b>	typical 0.2 [m/s]
<b>max. conveyor load even distributed</b> <sup>5)</sup>	max. 3500 kg / 7700 lbs (1000 kg/m / 671 lbs/ft)
<b>Resolution (wire detectability)</b> <sup>2)</sup>	standard (view A): 38 AWG (0.1 mm) • typical: 39 AWG (0.08 mm) standard (view B): 34 AWG (0.16 mm) • typical: 36 AWG (0.13 mm)
<b>Penetration (steel)</b> <sup>2)</sup>	standard (view A): 32 mm • typical (view A): 35 mm standard (view B): 27 mm • typical (view B): 30 mm
<b>X-ray dose / inspection (typical)</b>	standard: 1.6 µSv (0.16 mrem) • with HI-MAT: 3 µSv (0.3 mrem)
<b>Film safety</b>	guaranteed up to ISO 1600 (33 DIN)
<b>Duty cycle</b>	100 %, no warm-up procedure required

## X-ray Generator

<b>Anode voltage • cooling</b>	160 kV cp • hermetically sealed oil bath
<b>Beam directions view A / view B</b>	VA: diagonal from side / VB: diagonal from top to bottom

## Image Generating System

<b>X-ray converter</b>	L-shaped detector line
<b>Grey levels stored</b>	4096
<b>Image presentation</b>	B/W, color
<b>Digital video memory</b>	1280 x 1024 / 24 bit
<b>Image evaluation functions</b>	VARI-MAT, O <sup>2</sup> , OS, HIGH
<b>Monitor</b>	Flat Panel LCD Monitor

## Additional Features

<b>Features</b>	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
<b>Options</b>	X-ACT, HI-TIP, HI-SPOT, SEN, XPLore, IMS (Image Store System - stores up to 100,000 images), Xport

## Installation Data

<b>X-ray leakage</b>	meets all applicable laws and regulations with respect to X-ray emitting devices
<b>CE-labelling</b>	in compliance with directives 2006/42/EC, 2014/35/EU, 2014/30/EU
<b>Sound pressure level</b>	< 60 dB(A)
<b>Operating- / storage temperature</b>	0° - 40°C / -20°C - +60°C
<b>Humidity</b>	5% - 95% (non-condensing)
<b>Power supply</b> <sup>3)</sup>	standard: 230 VAC +10% / -15% • 50 Hz / 60 Hz ± 3 Hz
<b>Power consumption</b>	approx. 2.2 kVA
<b>Protection class system / keyboard</b>	IP 20 / IP43
<b>Dimensions • Weight</b> <sup>4)</sup>	5078 (L) x 2100 (W) x 2265 (H) [mm] • approx. 2700 kg 200" (L) x 82.7" (W) x 89.2" (H) • approx. 5952 lbs
<b>Mechanical construction</b>	steel construction with aluminium housing, mounted on roller castors standard color(s): RAL 7016 (dark grey), RAL B-11/W1 (blue)

<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.

<sup>5)</sup> measured at ambient temperature of 20C° and nominal voltage



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