

# HI-SCAN™ 130130T-2is

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



## Feature Highlights

- 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<sup>Plus</sup> technology for better material distinction

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.**

ECAC regulation (EU) 2015/1998

DGAC-STAC approved (France)

TSA – ACSTL qualified (US)

## General Specifications

<b>Tunnel dimensions</b>	1310 (W) x 1320 (H) [mm] • 51.6" (W) x 52" (H)
<b>Max. object size</b>	1300 (W) x 1300 (H) [mm] • 51.2" (W) x 51.2" (H)
<b>Conveyor height</b> <sup>1)</sup>	approx. 370 mm (14.6")
<b>Conveyor speed (adjustable with frequency converter)</b>	typical 0.2 [m/s]
<b>max. conveyor load even distributed over the whole conveyor</b> <sup>7)</sup>	250 kg (550 lbs)
<b>Resolution (wire detectability)</b> <sup>3)</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>3)</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 electronic zoom: stepless enlargement up to 64-times
<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), Random ReCheck

## 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 guidelines 2006/42/EC, 2014/35/EU, 2014/30/EU
<b>Sound pressure level</b>	< 70 dB(A)
<b>Operating- / storage temperature</b> <sup>4)</sup>	0° - 40°C / -20°C - +60°C
<b>Humidity</b>	5% - 95% (non-condensing)
<b>Power supply</b> <sup>5)</sup>	standard: 230 VAC or 120 VAC +10% / -15% • 50 Hz / 60 Hz ± 3 Hz
<b>Power consumption</b>	approx. 1.75 kVA
<b>Protection class system / keyboard</b>	IP 20 / IP43
<b>Dimensions • Weight</b> <sup>6)</sup>	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
<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)

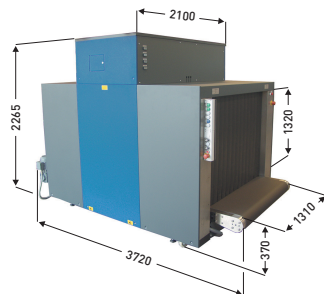
<sup>3)</sup> Conds.: steel step wedge, CU wires, belt speed 0.2 m/s

<sup>4)</sup> extended temperature range on request

<sup>5)</sup> different values optional

<sup>6)</sup> without control desk, keyboard, monitor(s) etc.

<sup>7)</sup> measured at ambient temperature of 20°C° and nominal voltage



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