smiths detection

HI-SCAN™ 130130T-2is HD

New: heavy duty roller conveyor – maximum load 5000 kg (1000 kg/m)

Feature Highlights

- Heavy duty roller conveyor, maximum load 5000 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 Plus 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 5000 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	
Tunnel dimensions	1310 (W) x 1260 (H) [mm] • 51.6" (W) x 48" (H)
Max. object size	1300 (W) x 1240 (H) [mm] • 51.2" (W) x 47.2" (H)
Conveyor height [1]	approx. 430 mm (16.9")
Conveyor speed	typical 0.24[m/s]
max. conveyor load even distributed [5]	max. 5000 kg / 11023 lbs (1000 kg/m / 672 lbs/ft)
Resolution (wire detectability) [2]	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)
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
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, XPlore, IMS (Image Store System - stores up to 100,000 images), Random ReCheck
Installation Data	
X-ray leakage	meets all applicable laws and regulations with respect to X-ray emitting devices
CE-labelling	in compliance with directives 2006/42/EC, 2014/35/EU, 2014/30/EU
Sound pressure level	< 60 dB(A)
Operating- / storage temperature	0° - 40°C / -20°C - +60°C
Humidity	5% - 95% (non-condensing)
Power supply [3]	standard: 230 VAC +10% / -15% • 50 Hz / 60 Hz ± 3 Hz
Power consumption	approx. 2.2 kVA
Protection class system / keyboard	IP 20 / IP43
Dimensions • Weight [4]	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
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)
[2] proprietary quality management test piece: steel step wedge, CU wires, belt speed 0.2 m/s
[3] different values optional
[4] without control desk, keyboard, monitor(s) etc.
[5] measured at ambient temperature of 20C° and nominal voltage

For product information, sales or service, please go to www.smithsdetection.com/locations

Smiths Detection Germany GmbH, Im Herzen 4, 65205 Wiesbaden, Germany

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