

HI-SCAN 9075

X-ray Inspection System



- ▶ ***Ideal method of inspecting oversized and bulky freight***
- ▶ ***Ease of handling heavy goods via low conveyor belt***
- ▶ ***HiTraX technology employing real-time image processing***
- ▶ ***HI-MAT^{Plus}: allows improved material classification***
- ▶ ***IMS: image data management (optional)***
- ▶ ***Ergonomically designed operating console features user-definable key functions***
- ▶ ***Integral network interface***

HI-SCAN 9075 is a state-of-the-art X-ray inspection unit for the scanning of objects up to a size of 90 cm x 76 cm (w x h). Due to its design the imaging system is perfectly suited to the scanning of bulky objects, oversized baggage and freight. Heavy objects can be easily placed on the conveyor belt which is installed at a height of only 35 cm above the ground.

The low installation height of the HI-SCAN 9075 conveyor system facilitates the connection of supplementary feed- and/or discharge conveyor systems for heavy freight. The HI-SCAN 9075 is also available as mobile unit and as such is well-tried by airports, customs facilities and haulage companies.

State-of-the-art HiTraX technology, efficient online image analysis methods as well as an operator interface ergonomically designed to be adapted to the installation conditions make the HISCAN 9075 an ultramodern and efficient instrument for security checks in sensitive areas.

HI-SCAN 9075 - the security concept for dealing with oversized baggage and bulky objects.

General Specifications

Tunnel dimensions	910 (W) x 770 (H) [mm] • 35.8" (W) x 30.3" (H)
Max. object size	900 (W) x 760 (H) [mm] • 35.4" (W) x 29.9" (H)
Conveyor height ¹⁾	approx. 350 mm (13.7")
Conveyor speed at mains frequency	approx. 0.2 / 0.24 [m/s]
50 Hz / 60 Hz	
max. conveyor load even distributed over the whole conveyor	150 kg (331 lbs)
Resolution (wire detectability)	standard: 36 AWG (0.13 mm) • typical: 38 AWG (0.1 mm)
Penetration (steel) ³⁾	standard: 25 mm • typical: 27 mm
X-ray dose / inspection (typical)	standard: 0.8 µSv (0.08 mrem) • with HI-MAT: 1.6 µSv (0.16 mrem)
Film safety	guaranteed up to ISO 1600 (33 DIN)
Duty cycle	100 %, no warm-up procedure required

X-ray Generator

Anode voltage • cooling	140 kV cp • hermetically sealed oil bath
Beam direction	diagonal

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, O ² , OS, HIGH
	electronic zoom: enlargement 2-, 3-, 4-, ... 16-times
Monitor	17"-color monitor, emission meets MPR II and TCO 99 standards
	other monitors on request

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 image areas no more visible)
Options	Zoom-overview, free programmable keys HI-MAT (distinction of material groups), X-ACT, HI-TIP, HI-SPOT, SEN, XPlore, IMS (image management system)

Installation Data

X-ray leakage	meets all applicable laws and regulations with respect to X-ray emitting devices.
CE-labelling	in compliance with guidelines 98/37/EWG, 73/23/EWG, 89/336/EWG
Sound pressure level	< 70 dB(A)
Operating- / storage temperature ⁴⁾	0° - 40°C / -20°C - +60°C
Humidity	10% - 90% (non-condensing)
Power supply ⁵⁾	standard: 230 VAC or 110 VAC +10% / -15% • 50 Hz / 60 Hz ± 3 Hz
Power consumption	approx. 0.9 kVA
Protection class keyboard	IP 22
Dimensions • Weight ⁶⁾	3040 (L) x 1290 (W) x 1840 (H) [mm] • approx. 850 kg 119.6" (L) x 50.8" (W) x 72.4" (H) • approx. 1874 lbs
Mechanical construction	steel construction with steel panels, mounted on roller castors standard color: RAL 7016 (dark gray)

¹⁾ approx. values (adjustable)

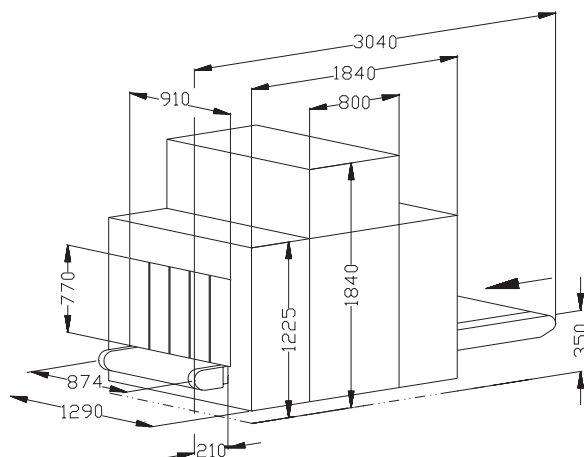
²⁾ higher conveyor load at systems with frequency converter

³⁾ according to ASTM test procedure

⁴⁾ extended temperature range on request

⁵⁾ different values optional

⁶⁾ without control desk, keyboard, monitor(s) etc.



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