

HI-SCAN™ 145180-2is pro



Feature Highlights

- 2 x 200 kV generators for outstanding penetration performance
- Dual view concept shortens inspection times
- Excellent image presentation through optimized beam geometry
- Rugged roller conveyor, capacity 1000 kg / m, i.e. up to 5000 kg when evenly distributed
- Advanced HiTraX 3 electronics
- Typical penetration: 58 mm of steel

HI-SCAN 145180-2is pro is a state-of-the-art X-ray inspection system for scanning objects up to 145 cm x 180 cm [57" / 71"] [W x H]. Due to the compact footprint and large tunnel dimensions, the imaging system is perfectly suited for the inspection of air cargo, freight and palletized goods.

It is equipped with two 200 kV generators in set at 90° to each other to provide both horizontal and a vertical views (dual view). These specially developed generators offer excellent penetration capabilities, whilst providing outstanding image resolution. A compact design (with generator installation under the conveyor rather than over the tunnel) also boosts image performance as well as providing easy access for servicing.

The robust conveyor features tightly packed rollers to support smooth passage through the inspection tunnel for pallets and other bulky and heavy objects. The advanced HiTraX 3 electronics platform facilitates easy integration into material handling systems.

As a result, the HI-SCAN 145180-2is pro is an ideal fit for air cargo screening applications, providing efficient screening and exceptional performance in a time critical environment.

HI-SCAN 145180-2is pro is the solution of choice for handling air cargo, freight and palletized goods.

ECAC regulation (EU) 2015/1998

DGAC-STAC approved (France)

TSA – ACSTL qualified (US)

General Specifications

Tunnel dimensions	1466 (W) x 1817 (H) [mm] • 57.7" (W) x 71.5" (H)
Max. object size	1450 (W) x 1800 (H) [mm] • 57.1" (W) x 70.9" (H)
Conveyor height	approx. 680 mm (26.8")
Conveyor speed (adjustable with frequency converter)	typical 0.24 [m/s]
max. conveyor load even distributed over the whole conveyor	5000 kg (11,025 lbs) • 1000 kg/m (672 lbs/ft)
Resolution (wire detectability)	standard (view A): 36 AWG (0.13 mm) • typical (view A): 38 AWG (0.10 mm) standard (view B): 36 AWG (0.13 mm) • typical (view B): 38 AWG (0.10 mm)
Penetration (steel) ²⁾	standard (view A): 55 mm • typical (view A): 58 mm standard (view B): 55 mm • typical (view B): 58 mm
Duty cycle	100 %, no warm-up procedure required

X-ray Generator

Anode voltage • cooling	200 kV cp operated • hermetically sealed oil bath
Beam direction	VA: diagonal from side • VB: diagonal from bottom to top

Image Generating System

X-ray converter	L-shaped detector line
Grey levels stored	65536 /16 bit
Digital video memory	True color / 24 bit
Image evaluation functions	VARI-MAT, O ² , OS, HIGH, SEN, HDA, HI-SPOT, BW, IMS (storage of up to 100.000 images) electronic zoom: stepless enlargement up to 256-times
Monitor	24" Flat Panel LCD Monitor

Additional Features

Functions	fading-in of date/time, object 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 3.0 interface, stepless zoom
Options	HI-TIP, Barcode reader, Integration options

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, 2014/30/EC, 2014/35/EC
Sound pressure level	< 60 dB(A)
Operating- / storage temperature	0° - 40°C / -20°C - +60°C
Humidity	5% - 95% (non-condensing)
Power supply ⁴⁾	standard: 400 VAC +10% / -15% • 50 Hz / 60 Hz ± 3 Hz
Power consumption	approx. 3.5 kVA
Protection class system/keyboard	IP 20/IP 43
Dimensions • Weight ⁵⁾	6294 (L) x 2179 (W) x 2736 (H) [mm] • approx. 4425 kg 247.7" (L) x 85.7" (W) x 107.7" (H) • approx. 9750 lbs
Mechanical construction	steel construction with steel panels, mounted on roller castors standard color(s): RAL 7016 (dark gray), , B11-W1 (blue)

¹⁾
²⁾ Conds.: steel step wedge, CU wires, conveyor speed 0.2 m/s

³⁾

⁴⁾ different values optional

⁵⁾ approx. without control desk, keyboard, monitor(s), control cabinet, etc.

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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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