

HI-SCAN[™] 180180-300kV

HEIMANN X-RAY TECHNOLOGY



Feature Highlights

- Universal X-ray system for bulk items
- Excellent image presentation (optimal X-ray geometry)
- Outstanding image quality with new HiTraX electronics
- New HI-MAT Plus technology for better material distinction
- Typical penetration 60 mm of steel

The HI-SCAN 180180-300kV is specially designed to meet the needs and applications of airports, customs facilities, transportation operations, carriers, parcel services or wherever high security and total screening is required.

It is a compact medium energy (300 kV) X-ray cargo inspection system with tunnel dimensions of 1800 mm (71") width and 1800 mm (71") height. It permits the inspection of pallets and LD-3 airfreight containers.

With an installation base of more than 25,000 X-ray security units distributed throughout 150 countries in all continents and a worldwide customer service network Smiths Heimann is the unequalled world leader in supplying X-ray security systems.

Operator training courses offered by Smiths Heimann have an excellent reputation all over the world and are carried out individually for each customer.

As a leading supplier of X-ray inspection systems in the world Smiths Heimann provides an efficient, global service network working fast and reliably.

Technical Data HI-SCAN 180180-300kV

General Specifications

Conveyor height 1]

frequency converter)

Penetration (steel) 4)

over the whole conveyor Resolution (wire detectability)

max. conveyor load even distributed

X-ray dose / inspection (typical)

1810 (W) x 1810 (H) [mm] • 71.3" (W) x 71.3" (H) 1790 (W) x 1700 (H) [mm] • 70.4" (W) x 66.9" (H) Tunnel dimensions Max. object size

Conveyor type: standard: roller conveyor

option 1: modular plastic belt conveyor • option 2: heavy duty roller conveyor

approx. 315 mm (12.4")

Conveyor speed (adjustable with standard 0.24 [m/s] • option 0.12 [m/s] complies to EU 781/2005 (also to the respective standards will be effective

from 01.01.2009)

standard: 2000 kg (4409 lbs)

option 1 21: 2000 kg (4409 lbs) • option 2 31: 3000 kg (6614 lbs) standard: 32 AWG (0.2 mm) • typical: 34 AWG (0.16 mm)

standard: 55 mm • typical: 60 mm

standard: 1.2 μSv (0.12 mrem) • with HI-MAT: 2.5 μSv (0.25 mrem)

guaranteed up to ISO 1600 (33 DIN) 100 %, no warm-up procedure required

X-ray Generator

Film safety

Duty cycle

Anode voltage • current • cooling 300 kV cp • 1 mA • hermetically sealed oil bath

Beam direction diagonal

Image Generating System _

L-shaped detector line X-ray converter

Grey levels stored 4096 Image presentation B/W. color 1280 x 1024 / 24 bit Digital video memory Image evaluation functions VARI-MAT, 02, OS, HIGH

electronic zoom: stepless enlargement up to 16-times

Flat Panel LCD Monitor

Additional Features

Monitor

Options

Humidity

Functions 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

HI-SPOT, SEN, XPlore, IMS (image management system), Xport, Media Bay for RIDA (250 GB), ZIP module or CD/

RW module

Installation Data .

Power supply 6]

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, 72/23/EWG, 89/336/EWG Operating- / storage temperature 5)

0° - 40°C / -20°C - +60°C 10% - 90% (non-condensing)

400 VAC, 3 phases • 50 Hz / 60 Hz ± 3 Hz

approx. 2.8 kVA (without options, with roller conveyor) Power consumption approx. 2.8 kVA (without options, with modular plastic belt)

approx. 3.5 kVA (without options, with heavy duty roller conveyor)

Dimensions • Weight 7] 7040 (L) x 3440 (W) x 2370 (H) [mm] • approx. 6000 kg

277.2" (L) x 135.4" (W) x 93.3" (H) • approx. 13200 lbs

option 1^{2]8]}: modular plastic belt conveyor: 7620 (L) [mm]. 300" (L) steel construction with steel panels, mounted on roller castors

standard color(s): RAL 7016 (dark gray)

1) approx. values (adjustable)

Protection class keyboard

Mechanical construction

2) option 1: modular plastic belt conveyor

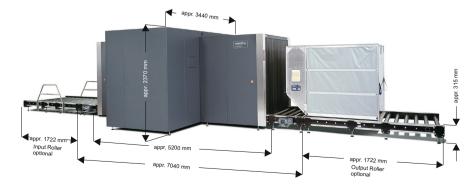
3) option 2: heavy duty roller conveyor 4) measured in beam direction

5) extended temperature range on request

6) optional: 200 VAC, 220 VAC, 380 VAC, 415 VAC, 480 VAC

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

8) optional extension 800 mm (31.5") available







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