

# **HI-SCAN**<sup>™</sup> 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 75 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. 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**

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

standard: roller conveyor • option small pitch roller conveyor Conveyor type:

Conveyor height 13 approx. 315 mm (12.4")

Conveyor speed 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)

max. conveyor load even distributed over the whole conveyor

X-ray dose / inspection (typical)

standard: 2000 kg (4409 lbs) • option small pitch roller conveyor 5000 kg (11023 lbs)²/ 0,75 t/m (504 lbs/ft)

Resolution (wire detectability)

standard: 32 AWG (0.2 mm) • typical: 32 AWG (0.2 mm)

standard (view A): 70 mm • typical: 75 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

Penetration (steel) 3)

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

Beam direction diagonal

### Image Generating System

X-ray converter L-shaped detector line

Grey levels stored 4096 B/W, color Image presentation Digital video memory 1280 x 1024 / 24 bit Image evaluation functions VARI-MAT, O2, OS, HIGH

electronic zoom: stepless enlargement up to 64-times

Flat Panel LCD Monitor Monitor

#### Additional Features

fading-in of date/time, luggage counter, user id-number, luggage marking system (acoustic), display of operating **Functions** 

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 Store System - stores up to 100,000 images), Xport, Media Bay for RIDA (250

GBI. CD/RW module

#### Installation Data

Power consumption

Options

Humidity Power supply 5)

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 4)

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)

Protection class keyboard IP 43

Dimensions • Weight 6] 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

Mechanical construction steel construction with steel panels, mounted on roller castors

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

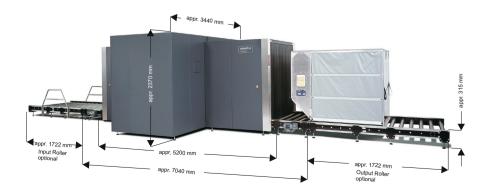
<sup>1)</sup> approx. values (adjustable)

<sup>2</sup> option: heavy duty roller conveyor

3) test piece min. dimensions: 250 x 540 [mm] (W x L)

4) extended temperature range on request

<sup>5)</sup> optional: 200 VAC, 220 VAC, 380 VAC, 415 VAC, 480 VAC 6) without control desk, keyboard, monitor(s) etc.







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