smiths detection
bringing technology to life

HI-SCAN™ 5030si

HEIMANN X-RAY TECHNOLOGY

Feature Highlights

- **HI-MAT Plus advanced material classification**
- **Compact desktop solution for mobile and stationary applications**
- **New X-ray generator plus new sensor technology for high performance**

Optional

- **HI-TIP: Threat Image Projection**
- **Xtrain: Operator training system**
- **IMS: Electronic image storage and archive including copy function of images in TIF or JPG format to USB storage device**

HI-SCAN 5030si is the consequent advancement of HI-SCAN 5030, with more than 3000 installations worldwide an extremely successful compact X-ray inspection system.

Planned in modular design as a tabletop system, HI-SCAN 5030si is flexibly extensible and therefore is fit for different applications.

Due to state-of-the-art X-ray-, sensor- and computer-technologies this system offers functionalities, which used to be known from complex solutions for aviation security purposes only.

HI-SCAN 5030si permits configurations with operator training, TIP- and image management functionalities.

Being one of the most space-saving X-ray inspection systems available, HI-SCAN 5030si is ideal for use in mailrooms, entrance halls, correctional and judicial facilites, schools and many other security sensitive areas, where contact-free inspection of pouches, bags, letters or packages is required.

HI-SCAN 5030si - increased security by advanced technology.

Technical Data **HI-SCAN 5030si**

General Specifications

Tunnel dimensions	532 (W) x 330 (H) [mm] • 21" (W) x 13" (H)
Max. object size	530 (W) x 320 (H) [mm] • 20.9" (W) x 12.6" (H)
Conveyor height [1]	approx. 190 mm (7.4") / 782,5 mm (30.6") with carriage
Conveyor speed at mains frequency 50 Hz / 60 Hz	approx. 0.18 / 0.22 [m/s]
Max. conveyor load (evenly distributed) [7]	60 kg (132 lbs)
Resolution (wire detectability) [3]	Standard: 38 AWG (0.1 mm) • typical: 39 AWG (0.09 mm)
Resolution (wire detectability) [4]	Typical: 44 AWG (0.05 mm)
Penetration (steel) [3]	Standard: 14 mm • typical: 16 mm
External dose rate	≤ 2 µSv/h (0,2 mrem)
Film safety	Guaranteed even for high speed films up to ISO 1600 (33 DIN)
Duty cycle	100 %, no warm-up procedure required

X-ray Generator

Anode voltage • cooling	100 kV cp •hermetically sealed oil bath
Beam direction	diagonal

Image Generating System

X-ray converter	L-shaped detector line, high resolution
Grey levels stored	4096
Image presentation	B/W, color
Digital video memory	1280 x 1024 / 24 bit
Image evaluation functions	B/W, HIGH, LOW, NEG, VARI-MAT, O^2, OS electronic zoom: stepless enlargement up to 64-times
Monitor	Flat Panel LCD Monitor

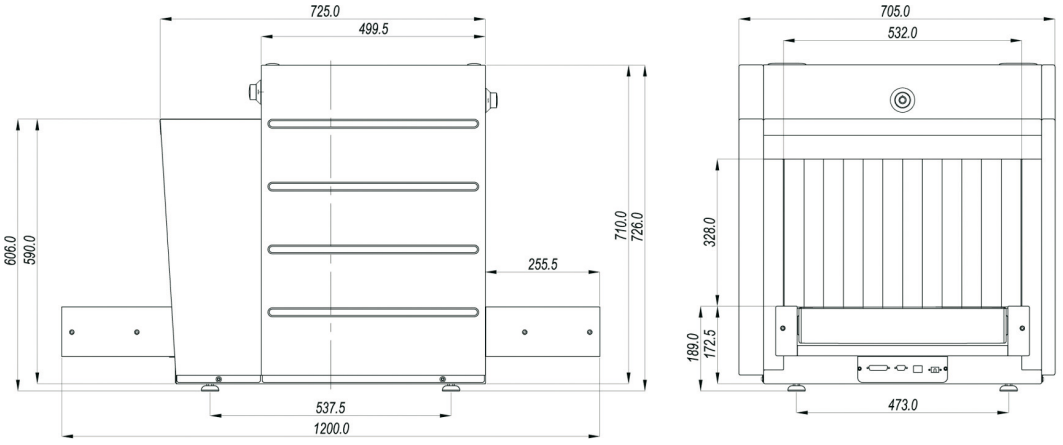
Additional Features

Features	Luggage counter, user-id number, display of operating mode, REVIEW-feature to recall previously visible image areas , zoom overview, free programmable keys
Options	HI-TIP, HI-SPOT, SEN, Xport, X-ACT, 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 directives 2004/108/EC, 2006/42/EC, 2006/95/EC
Sound pressure level	< 56 dB(A)
Operating- / storage temperature	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. 0.4 kVA
Protection class system / keyboard	IP 20 / IP 43
Dimensions • Weight [6]	1200 (L)[2] x 705 (W) x 726 (H) [mm] • approx. 160 kg 47.3" (L)[2] x 27.7" (W) x 28.6" (H) • approx. 352 lbs
Mechanical construction	Steel construction with aluminum panels standard color(s): RAL 7016 / stainless steel

[1] approx. values (adjustable)
[2] different length of conveyor and mechanical access protection on request
[3] proprietary quality management test piece: steel step wedge, CU wires, belt speed 0.2 m/s
[4] proprietary quality management test piece: Pt wires, belt speed 0.2 m/s
[5] different values optional
[6] without control desk, keyboard, monitor(s) etc.
[7] measured at ambient temperature of 20°C and nominal voltage



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

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

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