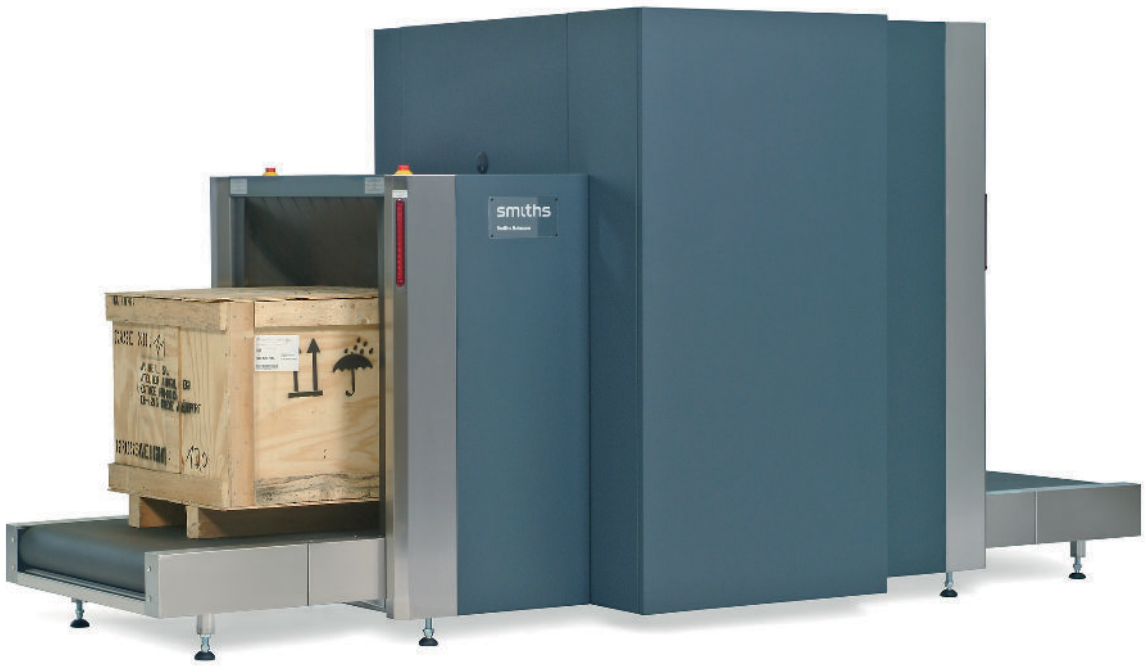
smiths detection

HI-SCAN™ 100100T-2is

New: 160 kV X-ray source – typical steel penetration 35 mm



Feature Highlights

- Ideal method of inspecting oversized baggage and freight
- Dual view concept shortens inspection times
- Easy handling of heavy objects due to low conveyor belt
- Innovative user concept
- New HI MAT Plus technology for better material distinction

HI-SCAN 100100T-2is is an advancement of the HI-SCAN 100100T, especially designed for screening oversized baggage and bulky freight reaching up to 100 x 100 cm (39 x 39 in.) in size.

The HI-SCAN 100100T-2is is equipped with two generators arranged in a 90° opposition, thus beaming in two directions (Dual View). This particular screening mode facilitates reliable inspections of tightly packed objects in one process while shortening inspection times and increasing the effectiveness of the procedure.

Its new, innovative user concept makes it as easy to handle as the single-beam system. Even with a second beam direction, this new system is compact and highly space-saving.

Due to the low installation height of the HI-SCAN 100100T conveyor belt, the connection of supplementary feed- and/or discharge conveyor systems for heavy freight is simple.

The HI-SCAN 100100T -2is is especially suited to meet the needs and applications of airports, customs facilities, and parcel services.

ECAC regulation (EU) 2015/1998

DGAC-STAC approved (France)

TSA – ACSTL qualified (US)

General Specifications

Tunnel dimensions	1010 (W) x 1010 (H) [mm] • 39.7" (W) x 39.7" (H)
Max. object size	1000 (W) x 1000 (H) [mm] • 39.4" (W) x 39.4" (H)
Conveyor height [1]	approx. 350 mm (13.7")
Conveyor speed (adjustable with	typical 0.2 [m/s]
frequency converter)	
max. conveyor load even distributed	200 kg (440 lbs)
over the whole conveyor [5]	
Resolution (wire detectability) [2]	standard (view A): 38 AWG (0.10 mm) • typical: 39 AWG (0.09 mm)
	standard (view B): 36/37 AWG (0,13 mm/0,11 mm) • typical: 38 AWG (0.1 mm)
Penetration (steel) [2]	standard (view A): 35 mm • typical (view A): 37 mm
	standard (view B): 31 mm • typical (view B): 35 mm
X-ray dose / inspection (typical)	HI-MAT: 3.4 µSv (0.34 mrem)
Film safety	guaranteed up to ISO 1600 (33 DIN)
Duty cycle	100 %, no warm-up procedure required

X-ray Generator

Anode voltage • cooling	160 kV cp • hermetically sealed oil bath
Beam directions view A / view B	view A: diagonal from side / view B: diagonal from top to bottom

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-MAT, O^2, OS, HIGH, REVIEW, LOW, NEG
	electronic zoom: stepless enlargement up to 64 times
Monitor	Flat Panel LCD Monitor

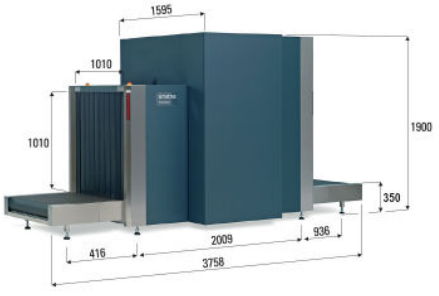
Additional Features

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
Options	X-ACT, HI-TIP, HI-SPOT, SEN, XPlore, IMS (Image Store System - stores up to 100,000 images), Random ReCheck

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, 2014/35/EU, 2014/30/EU
Sound pressure level	< 70 dB(A)
Operating / storage temperature	0° - 40°C / -20°C - +60°C
Humidity	5% - 95% (non-condensing)
Power supply [3]	standard: 230 VAC or 120 VAC +10% / -15% • 50 Hz / 60 Hz ± 3 Hz
Power consumption	approx. 1.3 kVA
Protection class system / keyboard	IP 20 / IP 43
Dimensions • Weight [4]	3758 (L) x 1595 (W) x 1900 (H) [mm] • ca. 1220 kg
	148,0" (L) x 62,8" (W) x 74,8" (H) • ca. 2690 lbs
Mechanical construction	steel construction with steel panels, mounted on roller castors
	Standard color: RAL 7016 (dark gray)

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



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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