

# HI-SCAN™ 9075

New: 160 kV X-ray source – typical steel penetration 32 mm



## Feature Highlights

- Ideal method of inspecting oversized and bulky freight
- Ease of handling heavy goods via low conveyor belt
- HiTraX technology employing real-time image processing
- HI-MAT<sup>Plus</sup>: allows improved material classification
- IMS: image data management (optional)

HI-SCAN 9075 is a state-of-the-art X-ray inspection unit for the scanning of objects up to a size of 90 cm x 76 cm (w x h). Due to its design the imaging system is perfectly suited to the scanning of bulky objects, oversized baggage and freight. Heavy objects can be easily placed on the conveyor belt which is installed at a height of only 35 cm above the ground.

The low installation height of the HI-SCAN 9075 conveyor system facilitates the connection of supplementary feed- and/or discharge conveyor systems for heavy freight.

The HI-SCAN 9075 is also available as mobile unit and as such is well-liked by airports, customs facilities and haulage companies.

State-of-the-art HiTraX technology, efficient online image analysis methods as well as an operator interface ergonomically designed to be adapted to the installation conditions make the HISCAN 9075 an ultramodern and efficient instrument for security checks in sensitive areas.

HI-SCAN 9075 - the security concept for dealing with oversized baggage and bulky objects.

## General Specifications

<b>Tunnel dimensions</b>	910 (W) x 770 (H) [mm] • 35.8" (W) x 30.3" (H)
<b>Max. object size</b>	900 (W) x 760 (H) [mm] • 35.4" (W) x 29.9" (H)
<b>Conveyor height</b> <sup>1)</sup>	approx. 350 mm (13.7")
<b>Conveyor speed (adjustable with frequency converter)</b>	typical 0,25 [m/s]
<b>max. conveyor load even distributed over the whole conveyor</b> <sup>5)</sup>	150 kg (331 lbs)
<b>Resolution (wire detectability)</b> <sup>2)</sup>	standard: 36 AWG (0.13 mm) • typical: 38 AWG (0.1 mm)
<b>Penetration (steel)</b> <sup>2)</sup>	standard: 30 mm • typical: 32 mm
<b>Film safety</b>	guaranteed up to ISO 1600 [33 DIN]
<b>Duty cycle</b>	100 %, no warm-up procedure required

## X-ray Generator

<b>Anode voltage • cooling</b>	160 kV cp • hermetically sealed oil bath
<b>Beam direction</b>	diagonal

## Image Generating System

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

## Additional Features

<b>Functions</b>	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
<b>Options</b>	X-ACT, HI-TIP, HI-SPOT, SEN, XPLore, IMS (Image Store System - stores up to 100,000 images), Random ReCheck

## Installation Data

<b>X-ray leakage</b>	meets all applicable laws and regulations with respect to X-ray emitting devices.
<b>CE-labelling</b>	in compliance with directives 2006/42/EC, 2014/35/EU, 2014/30/EU
<b>Sound pressure level</b>	< 70 dB(A)
<b>Operating- / storage temperature</b>	0° - 40°C / -20°C - +60°C
<b>Humidity</b>	5% - 95% (non-condensing)
<b>Power supply</b> <sup>3)</sup>	standard: 230 VAC or 120 VAC +10% / -15% • 50 Hz / 60 Hz ± 3 Hz
<b>Power consumption</b>	approx. 1,0 kVA
<b>Protection class system / keyboard</b>	IP 20 / IP 43
<b>Dimensions • Weight</b> <sup>4)</sup>	3040 (L) x 1290 (W) x 1840 (H) [mm] • approx. 850 kg 119.6" (L) x 50.8" (W) x 72.4" (H) • approx. 1874 lbs
<b>Mechanical construction</b>	steel construction with steel panels, mounted on roller castors standard color: RAL 7016 (dark gray)

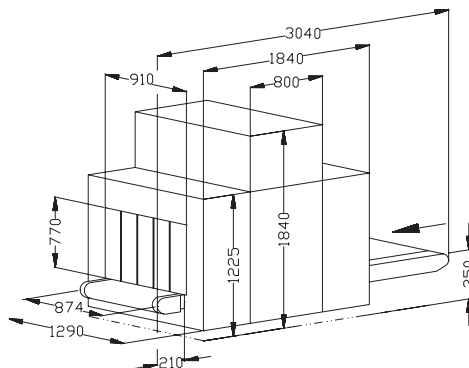
<sup>1)</sup> approx. values (adjustable)

<sup>2)</sup> proprietary quality management test piece: steel step wedge, CU wires, belt speed 0.2 m/s

<sup>3)</sup> different values optional

<sup>4)</sup> without control desk, keyboard, monitor(s) etc.

<sup>5)</sup> measured at ambient temperature of 20°C and nominal voltage



For product information, sales or service, please go to [www.smithsdetection.com/locations](http://www.smithsdetection.com/locations)

Smiths Detection Germany GmbH, Im Herzen 4, 65205 Wiesbaden, Germany  
Modifications reserved. 95585661 27/04/2022 © Smiths Detection Group Ltd. - In some cases, the figures contain options  
HI-SCAN is a trademark of Smiths Detection Group Ltd.

smiths detection