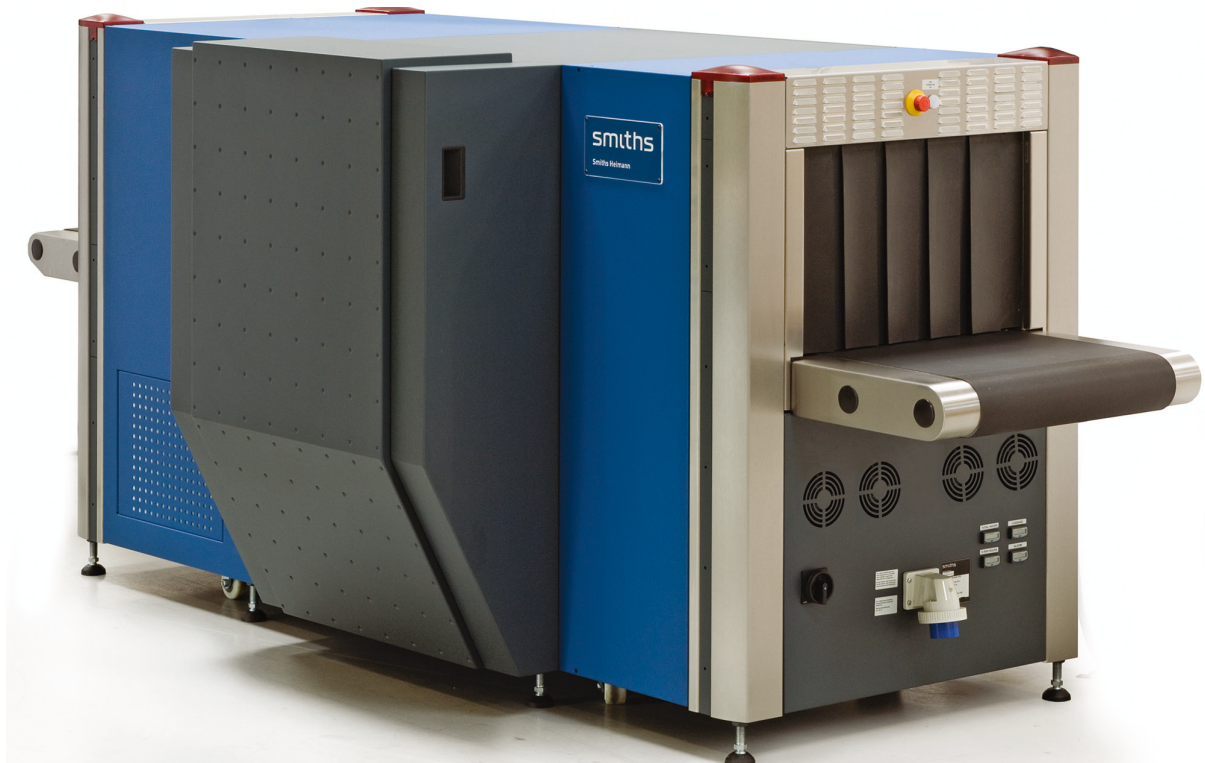


HI-SCAN™ 6040aTiX

HEIMANN X-RAY TECHNOLOGY



Feature Highlights

- **Automatic detection of explosives in carry-on baggage**
- **Analysis of Z_{eff} and density using independent views**
- **Maximum baggage throughput / real time evaluation**
- **Proven, ergonomic operating concept is retained**
- **Two high-resolution and detailed views (Dual View)**

HI-SCAN 6040aTiX is the first system to allow explosives detection at security checkpoints.

HI-SCAN 6040aTiX uses several, independent multi-energy generators, each of which is connected to its own sophisticated and state-of-the-art X-ray sensor technology.

While the detection performance of HI-SCAN 6040aTiX is far superior to that of other automatic systems, the rate of false alarms has been considerably reduced through the use of optimized algorithms.

Using advanced computer technologies, even complex analyses will be carried out in real-time without hampering usual checkpoint measures.

The operating concept of the proven HISCAN series has been retained which guarantees an optimum passenger throughput at checkpoints.

The two detailed views (Dual View) available to carry out manual analysis support the quick and reliable evaluation process.

HI-SCAN 6040aTiX - increased security by innovative technology.

Technical Data HI-SCAN 6040aTiX

General Specifications

| | |
|---|--|
| Tunnel dimensions | 620 (W) x 418 (H) [mm] • 24.4" (W) x 16.5" (H) |
| Max. object size | 615 (W) x 410 (H) [mm] • 24.2" (W) x 16.1" (H) |
| Conveyor height ¹⁾ | approx. 800 mm (21.5") |
| Conveyor speed with 50 Hz / 60 Hz mains frequency | 0.2 [m/s] |
| Max. conveyor load even distributed over the whole conveyor | 160 kg (352 lbs) |
| Resolution (wire detectability) ³⁾ | standard: 40 AWG (0.08 mm Cu) • typical: 41 AWG (0.07 mm Cu) |
| Penetration (steel) ³⁾ | standard: 35 mm • typical: 37 mm |
| X-ray dose (typical) | HI-MAT: 10 µSv (1 mrem) |
| Film safety | guaranteed up to ISO 1600 (33 DIN) with a maximum of 5 inspections |
| Operating cycle | 100 %, no warm-up procedure required |

X-ray Generator

| | |
|-------------------------|--|
| X-ray generators | 4 |
| Anode voltage • cooling | 160 kV cp • hermetically sealed oil bath |
| Beam direction | from different directions, horizontal and vertical |

Image Generating System

| | |
|----------------------------|---|
| X-ray converter | MultiView detector system with large-scale integrated, monolithic amplifier |
| Grey levels stored | 4096 |
| Image presentation | B/W, color, HI-MAT ^{Plus} |
| Digital video memory | 1280 x 1024 / 24 bit |
| Image evaluation functions | VARI-MAT, O ² , OS, HIGH, LOW, NEG stepless, electronic Zoom: enlargement: up to 16 times |
| Monitor | Flat Panel LCD Monitors (2) |

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

Installation Data

| | |
|--|--|
| X-ray leakage | meets all applicable laws and regulations with respect to X-ray emitting devices |
| CE labelling/directives | in compliance with directives 98/37/CEE, 72/23/CEE, 89/336/CEE developed in accordance with directives IEC, UN, UL, CSA |
| Sound pressure | < 65 dB(A) |
| Operating-/storage temperature ⁴⁾ | 0° - 40°C / -20°C - +60°C |
| Humidity | 10% - 90% (not condensing) |
| Power supply | standard: 120, 200, 230, 240 VAC +10% / -15% • 50 Hz / 60 Hz ± 3 Hz |
| Power consumption | max. 1.92 kVA |
| Protection class | IP 20 / IP 43 |
| Dimensions • weight ⁵⁾ | 3300 (L) x 1310 (W) x 1400 (H) [mm] • approx. 1600 kg 129.9" (L) x 51.6" (W) x 55.1" (H) • approx. 3528 lbs |
| Mechanical construction | steel construction with steel panels, mounted on roller castors standard color(s): RAL 7016 (dark grey) / B11-W1 (blue) |

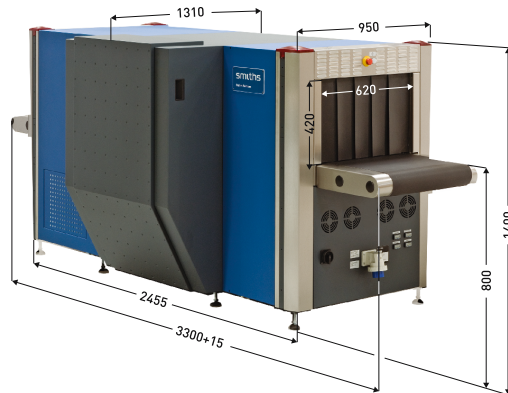
¹⁾ approx. values (adjustable)

²⁾ 0.24 m/s on request

³⁾ Cond.: steel stepwedge, copper wires, belt speed 0.2 m/s

⁴⁾ extended temperature range on request

⁵⁾ without operator console, monitors etc.



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

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