

# ScanTrailer™ 100100V-2is

HEIMANN MOBILE X-RAY TECHNOLOGY



## Feature Highlights

- Mobile, flexible system
- Incorporates HI-SCAN 100100V-2is
- Heat insulated body
- Trailer for public road (option)
- Integrated power generator (option)
- Easy loading by motorized conveyor
- Penetration up to 37 mm steel (typical)
- Film safe up to ISO 1600 / 33 DIN

ScanTrailer is a mobile X-ray inspection system using a non-motorized trailer for public roads with an especially manufactured body. A non-motorized trailer for public roads is available as an option. The X-ray inspection system HI-SCAN 100100V-2is is integrated.

The ScanTrailer has been designed for places where luggage, freight or mail is loaded or unloaded and has to be checked for customs or security purposes.

The system operates with AC mains. An integrated power generator (option) serves to supply the electrical devices independent of a mains source.

Fast and easy loading and unloading of items to be inspected is established by a powerful motorized conveyor (input side) and a heavy duty roller conveyor (output side).

ScanTrailer incorporates the X-ray inspection system HI-SCAN 100100V-2is with a tunnel opening of 1010 mm (width) by 1010 mm (height).

The powerful X-ray generator (160 kVcp) in combination with the sensitive detector system and the enhanced image processing system provide a penetration of up to 30 mm steel (typical). Solid wires up to 0.09 mm Ø (AWG 39) are detectable.

## HI-SCAN 100100V-2is General Specifications [\(refer to sheet 95592188 for more information\)](#)

<b>Tunnel dimensions</b>	1010 (W) x 1010 (H) [mm] • 39.7" (W) x 39.7" (H)
<b>Max. object size</b>	1000 (W) x 1000 (H) [mm] • 39.4" (W) x 39.4" (H)
<b>Conveyor height <sup>1)</sup></b>	approx. 620 mm [24.4"]
<b>Conveyor speed</b>	approx. 0.20 [m/s]
<b>Max. conveyor load even distributed over the whole conveyor</b>	220 kg (485 lbs)
<b>Conveyor system</b>	integrated feed-in conveyor (length approx. 1.7 m [67"]) HD discharge roller conveyor (length approx. 1.7 m [67"] fold down in horizontal position for operation
<b>Resolution (wire detectability) <sup>2)</sup></b>	standard: 39 AWG (0.09 mm) • typical: 40 AWG (0.08 mm)
<b>Penetration (steel) <sup>2)</sup></b>	standard (view A): 35 mm • typical (view A): 37 mm standard (view B): 35 mm • typical (view B): 37 mm
<b>X-ray dose / inspection (typical)</b>	HI-MAT: 3.4 µSv (0.2 mrem)
<b>Film safety</b>	guaranteed up to ISO 1600 [33 DIN]
<b>Duty cycle</b>	100 %, no warm-up procedure required

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<b>Trailer</b>	3500 kg (7716.2 lbs) permitted total weight
<b>Body</b>	thermo body in sandwich technique
<b>Control</b>	control desk
<b>Safety</b>	indicator X-ray on; emergency stop system
<b>Power supply <sup>5)</sup></b>	external power supply 220 VAC - 240 VAC +10% / -15%; 50 Hz or 60 Hz ± 3 Hz; power cable for external power supply; power distribution
<b>Additional features</b>	illumination accessories
<b>Options</b>	motorized discharging conveyor; video system for (dis-) charging area; 19" monitor <sup>5)</sup> ; intercom system; public road configuration; power generator <sup>5)</sup>

## Trailer General Specifications

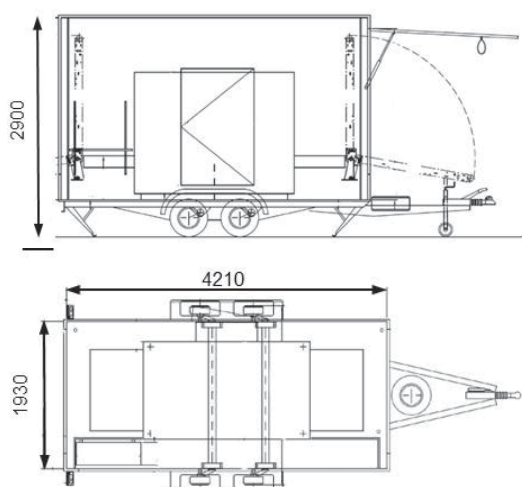
<b>Axle</b>	suspended twin wheel axle
<b>Max. speed</b>	80 km/h (50 mph)
<b>Brake</b>	operation brake overrunning type; hand operated parking brake
<b>Steering</b>	rim steering
<b>Tow bar</b>	tow bar with DIN tow eye
<b>Accessories</b>	one spare wheel

<sup>1)</sup> from vehicle floor / approx. values

<sup>2)</sup> Conds.: steel step wedge, CU wires, belt speed 0.24 m/s

<sup>4)</sup> extended temperature range on request

<sup>5)</sup> different values / types optional



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  
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