

ScanTrailer™ 8585 SA

HEIMANN MOBILE X-RAY TECHNOLOGY



Feature Highlights

- Mobile, flexible system
- Incorporates HI-SCAN 8585
- Single axle trailer for public road
- Portable power generator (option)
- Easy loading by motorized conveyor
- Penetration up to 31 mm steel (typical)
- Film safe up to ISO 1600 / 33 DIN

ScanTrailer is a mobile X-ray inspection system using a non-motorized single axle trailer for public road traffic with an especially manufactured body. The X-ray inspection system HI-SCAN 8585 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. A portable 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 at the input side and an additional heavy duty roller conveyor at the output.

ScanTrailer incorporates the X-ray inspection system HI-SCAN 8585 with a tunnel opening of 855 mm (width) by 855 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 31 mm steel (typical). Solid wires up to 0.1 mm Ø (AWG 38) are typical detectable.

HI-SCAN 8585 General Specifications [\(refer to sheet 95588231 for more information\)](#)

Tunnel dimensions	853 (W) x 856 (H) [mm] • 33.6" (W) x 33.7" (H)
Max. object size	835 (W) x 835 (H) [mm] • 32.8" (W) x 32.8" (H)
Conveyor height ¹⁾	approx. 300 mm [11.8"]
Conveyor speed at mains frequency	approx. 0.2 (m/s)
50 Hz / 60 Hz	
Max. conveyor load even distributed over the whole conveyor	200 kg [441 lbs]
Conveyor system	integrated feed-in conveyor (length: approx. 470 mm [18.5"]) integrated discharge conveyor (length: approx. 470 mm [18.5"]) with additional HD discharge roller conveyor (length approx. 780 mm [30.7"]) fold down in horizontal position for operation
Resolution (wire detectability) ³⁾	standard: 36 AWG (0.13 mm) • typical: 38 AWG (0.1 mm)
Penetration (steel) ³⁾	standard: 29 mm • typical: 31 mm
X-ray dose / inspection (typical)	1.6 µSv (0.16 mrem)
Film safety	guaranteed up to ISO 1600 [33 DIN]
Duty cycle	100 %, no warm-up procedure required
Anode voltage	160 kV cp

ScanTrailer 8585 SA General Specifications

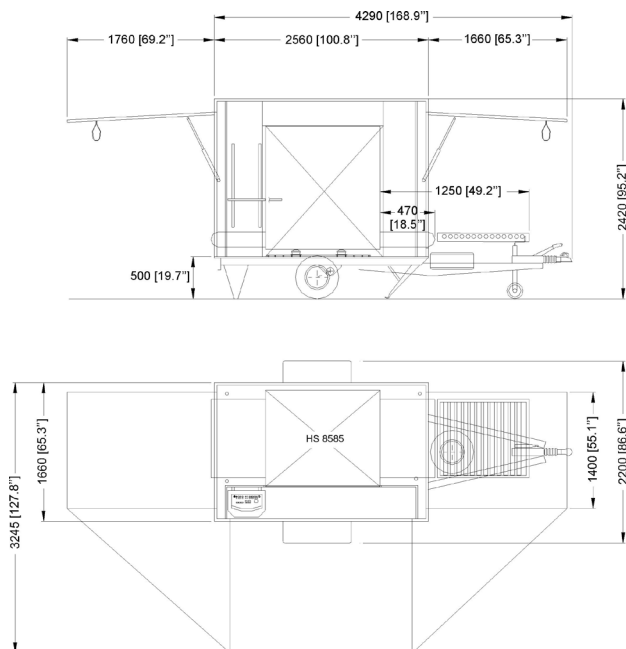
Trailer	1800 kg [3968.3 lbs] permitted total weight; single axle
Body	thermo body in sandwich technique
Safety	indicator X-ray on; emergency stop system
Power supply	external power supply 220 VAC - 240 VAC +10% / -15%; 50 Hz or 60 Hz ± 3 Hz; power cable for external power supply; power distribution
Additional features	accessories
Options	portable power generator

Trailer General Specifications

Axle	1 trailer axle; suspension on each wheel
Max. speed	80 km/h [49.7 mi/h]
Brake	operation brake overrunning type; hand operated parking brake
Tow bar	tow bar with DIN tow eye or trailer hitch
Accessories	one spare wheel

¹⁾ from vehicle floor / approx. values

³⁾ Conds.: steel step wedge, CU wires, belt speed 0.2 m/s



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

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