

# ScanVan™ 8585

## MOBILE X-RAY INSPECTION SYSTEM



### Feature Highlights

- Mobile, flexible system
- Insulated body
- Incorporates HI-SCAN 8585
- Powerful X-ray generator (160 kV cp)
- Penetration up to 31 mm steel (typical)
- Film safe up to ISO 1600 / 33 DIN
- Integrated power generator (option)
- Air-conditioner

ScanVan is a mobile X-ray inspection system using a self-propelled vehicle (van) with special interior fittings. The X-ray inspection system HI-SCAN 8585 is integrated.

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

An insulated body and an installed air-conditioner and rapid heater ensure optimum operation in most climatic conditions.

To establish operation at AC mains, an integrated power generator is incorporated as an option to supply the electrical devices independent of a mains source.

Fast and easy loading and unloading of items to be inspected is guaranteed by means of a powerful motorized conveyor at the input side and a heavy duty roller conveyor at the output. Both of them can be folded up into the vehicle.

The powerful X-ray generator (160kV cp) in combination with the sensitive detector system and the enhanced image processing system provide a penetration of up to 31mm steel (typical). Solid wires up to  $\varnothing$  0.1 mm (38 AWG) are typical detectable.

The operator space is provided with all necessary equipment to control the scanning process, e.g. control desk, operator chair, monitor, keyboard. Additional options like an intercom system, video monitoring system are available.

**HI-SCAN 8585 General Specifications (refer to sheet 95588231 for more information)**

<b>Tunnel dimensions</b>	853 (W) x 856 (H) [mm] • 33.6" (W) x 33.7" (H)
<b>Max. object size</b>	835 (W) x 835 (H) [mm] • 32.8" (W) x 32.8" (H)
<b>Conveyor height <sup>1)</sup></b>	approx. 300 mm [11.8"]
<b>Conveyor speed at mains frequency</b>	approx. 0.2 [m/s]
<b>50 Hz / 60 Hz</b>	
<b>Max. conveyor load even distributed over the whole conveyor</b>	200 kg [441 lbs]
<b>Conveyor system</b>	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
<b>Resolution (wire detectability) <sup>3)</sup></b>	standard: 36 AWG (0.13 mm) • typical: 38 AWG (0.1 mm)
<b>Penetration (steel) <sup>3)</sup></b>	standard: 29 mm • typical: 31 mm
<b>Film safety</b>	guaranteed up to ISO 1600 [33 DIN]
<b>Duty cycle</b>	100 %, no warm-up procedure required
<b>Anode voltage</b>	160 kV cp

**ScanMobile 8585 General Specifications (refer to sheet 95587991 for more information)**

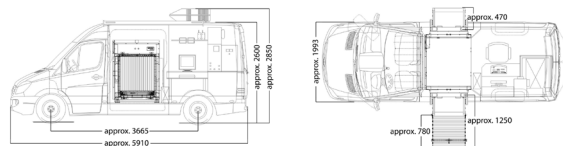
<b>Vehicle (standard) <sup>5)</sup></b>	Mercedes Benz Sprinter 315 CDI 4x2
<b>Vehicle (option) <sup>5)</sup></b>	Iveco Daily 40C15 / E3V
<b>Gross vehicle weight</b>	Mercedes Benz Sprinter 315 CDI 4x2: 3500 kg [7716.2 lbs] or 3880 kg [8553.9 lbs] depending on options
<b>Gross vehicle weight (option)</b>	Iveco Daily 40C15 / E3V: 4200 kg
<b>Options (vehicle) e.g.</b>	Air conditioner, double passenger seat, radio, further options on request
<b>Body</b>	Insulated body, separated by means of partition walls, interior trim panel, windows to observe charging and discharging area
<b>Operating- / Storage- Temperature</b>	-10° to +40°C / -20° to +60°C standard -10° to +50°C / -20° to +60°C option - premium warm package -20° to +40°C / -20° to +60°C option - premium cold package
<b>Safety</b>	Indicator "X-ray on", emergency stop system
<b>Power supply</b>	External power supply 220 - 240 VAC +10% / -15% 50 or 60 Hz ± 3 Hz, power cable for external power supply
<b>Additional features</b>	Equipped operator space, air conditioner, rapid heater, interior light and accessories, e.g.: Fire extinguishers, first aid kits

**Options, e.g.**

- Power generator driven by the vehicle engine
- Power generator with own diesel engine
- Stronger air conditioner <sup>5)</sup>
- Sun-Blind
- Monitor options <sup>5)</sup>
- Rear view system
- Intercom system
- Video monitoring system
- Printer
- Console with shelf
- Floor heating for operators cabin
- Auxiliary heating for operators cabin <sup>5)</sup>
- Outside lighting
- ...further options on request

**Packages** Basis, comfort, premium, premium warm region, premium cold region<sup>1)</sup> from vehicle floor / approx. values<sup>5)</sup> different values / types optional<sup>3)</sup> Conds.: steel step wedge, CU wires, belt speed 0.24 m/s

Example: Mercedes Benz Sprinter 315 CDI 4x2  
Dimensions depending on the options (e.g.: Air conditioner, tyres...)  
Modification of manufacturer reserved.

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

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