

# ScanMobile™ 130100

## MOBILE X-RAY INSPECTION SYSTEM



### Feature Highlights

- **Mobile, flexible system**
- **Incorporates HI-SCAN 130100**
- **Heat insulated body**
- **Air-conditioner (option)**
- **Integrated power generator (option)**
- **Penetration up to 30 mm steel (typical)**
- **Film safe up to ISO 1600 / 33 DIN**

ScanMobile is a mobile X-ray inspection system using a self-propelled vehicle (chassis) with an especially manufactured body. The X-ray inspection system HI-SCAN 130100 is integrated.

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

A heat-insulated body and an optionally installed powerful air-conditioner and heating system ensure optimum operation regardless of the 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 height is adjustable to adapt both devices to the requirements of the operating area.

The operator space is provided with all necessary equipment to control the scanning process, e.g. monitor, keyboard, control panel with indicators and optionally an intercom system.

# Technical Data **ScanMobile 130100**

## HI-SCAN 130100 General Specifications (refer to sheet 95588232 for more information)

Tunnel dimensions	1310 (W) x 1015 (H) [mm] • 51.6" (W) x 39.9" (H)
Max. object size	1300 (W) x 1000 (H) [mm] • 51.2" (W) x 39.4" (H)
Conveyor height <sup>1)</sup>	approx. 350 mm (13.8")
Conveyor speed at mains frequency 50 Hz / 60 Hz	0.24 [m/s]
Max. conveyor load even distributed over the whole conveyor	250 kg (551 lbs)
Conveyor system	integrated feed-in conveyor (length approx. 1.5 m [59.1"]) HD discharge roller conveyor (length approx. 1.3 m [51.2"]) fold down in horizontal position for operation standard: 36 AWG (0.13 mm) • typical: 36 AWG (0.13 mm)
Resolution (wire detectability) <sup>3)</sup>	standard: 26 mm • typical: 30 mm
Penetration (steel) <sup>3)</sup>	2 µSv (0.2 mrem)
X-ray dose / inspection (typical)	guaranteed up to ISO 1600 (33 DIN)
Film safety	100 %, no warm-up procedure required
Duty cycle	160 kV cp
Anode voltage	

## ScanMobile 130100 General Specifications

Vehicle	Mercedes Sprinter
Body	thermo body in sandwich technique
Operating- / Storage- Temperature	-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
Safety	indicator X-ray on; emergency stop system
Power supply <sup>5)</sup>	external power supply 220 - 240 VAC +10% / -15%; 50 Hz or 60 Hz ± 3 Hz; power cable for external power supply; power distribution
Additional features	illumination accessories
Options	motorized discharging conveyor; voltage stabilizer; rapid heater; air-conditioner <sup>5)</sup> ; video system for (dis-) charging area; 19" monitor <sup>5)</sup> ; rear view system; extended temperature range; cupboard; power generator (different models on request); intercom system; printer

## Vehicle Mercedes Sprinter General Specifications

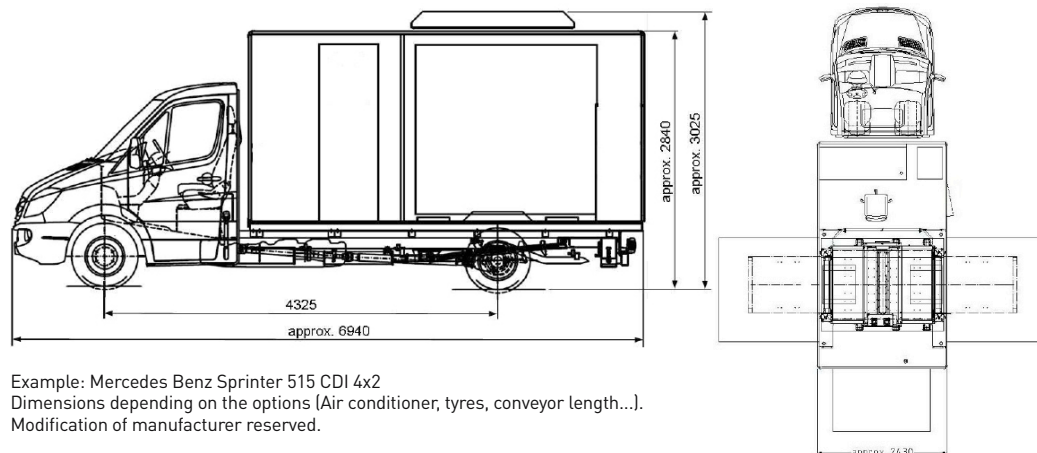
Standard vehicle <sup>5)</sup>	Mercedes Benz Sprinter 515 CDI 4x2
Engine	diesel; 4 cylinders
Injection	direct injection
Total displacement	4249 cm <sup>3</sup>
Output power • torque power	110 kW at 3800 rpm • 330 Nm at 1200 - 2400 rpm
Gross vehicle weight	5300 kg (11684.51 lbs)
Wheel base	4325 mm (170.27")
Fuel capacity	75 l
Electrical system	2x 12 V
Options e.g.:	driver's cabin air-conditioner; auxiliary heating system; heat insulating glass; fog lamps; spoiler on top of driver cabin; reinforced battery; receiver with cassette recorder / CD; electric powered windows lift; window in entrance door of operator cabin (further options on request)

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

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

<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 515 CDI 4x2  
Dimensions depending on the options (Air conditioner, tyres, conveyor length...)  
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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