

# 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.

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

|  |   |
|--|---|
| <b>Tunnel dimensions</b>   | 1310 (W) x 1015 (H) [mm] • 51.6" (W) x 39.9" (H)  |
| <b>Max. object size</b>  | 1300 (W) x 1000 (H) [mm] • 51.2" (W) x 39.4" (H)  |
| <b>Conveyor height <sup>1)</sup></b>                               | approx. 350 mm [13.8"]  |
| <b>Conveyor speed at mains frequency</b>                           | 0.24 [m/s]  |
| <b>50 Hz / 60 Hz</b>   |   |
| <b>Max. conveyor load even distributed over the whole conveyor</b> | 250 kg [551 lbs]  |
| <b>Conveyor system</b>   | integrated feed-in conveyor (length approx. 1.5 m [59.1"])<br>HD discharge roller conveyor (length approx. 1.3 m [51.2"])<br>fold down in horizontal position for operation |
| <b>Resolution (wire detectability) <sup>3)</sup></b>               | standard: 36 AWG (0.13 mm) • typical: 36 AWG (0.13 mm)  |
| <b>Penetration (steel) <sup>3)</sup></b>                           | standard: 26 mm • typical: 30 mm  |
| <b>X-ray dose / inspection (typical)</b>                           | 2 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  |
| <b>Anode voltage</b>   | 160 kV cp   |

## ScanMobile 130100 General Specifications

|  |  |
|--|--|
| <b>Vehicle</b>                           | Mercedes Sprinter / Iveco Daily  |
| <b>Body</b>                              | thermo body in sandwich technique  |
| <b>Operating- / Storage- Temperature</b> | -10° to +40°C / -20° to +60°C standard<br>-10° to +50°C / -20° to +60°C option - premium warm package<br>-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 <sup>5)</sup></b>        | external power supply 220 - 240 VAC +10% / -15%;<br>50 Hz or 60 Hz ± 3 Hz; power cable for external power supply;<br>power distribution  |
| <b>Additional features</b>               | illumination<br>accessories  |
| <b>Options</b>                           | 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

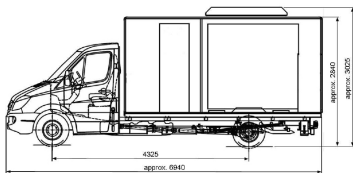
|                                       |  |
|---------------------------------------|--|
| <b>Standard vehicle <sup>5)</sup></b> | Mercedes Benz Sprinter 515 CDI 4x2   |
| <b>Vehicle (option) <sup>5)</sup></b> | Iveco Daily 40C15 / E3V  |
| <b>Engine</b>                         | diesel; 4 cylinders  |
| <b>Injection</b>                      | direct injection   |
| <b>Total displacement</b>             | 4249 cm <sup>3</sup>   |
| <b>Output power • torque power</b>    | 110 kW at 3800 rpm • 330 Nm at 1200 - 2400 rpm   |
| <b>Gross vehicle weight</b>           | 5300 kg [11684.51 lbs]   |
| <b>Wheel base</b>                     | 4325 mm [170.27"]  |
| <b>Fuel capacity</b>                  | 75 l   |
| <b>Electrical system</b>              | 2x 12 V  |
| <b>Options e.g.:</b>                  | driver's cabin air-conditioner; auxiliary heating system; heat insulating glass; fog lamps; spoiler on top of driver cabin; reinforced battery;<br>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

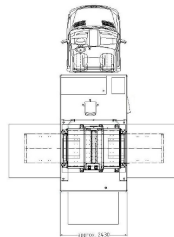
<sup>4)</sup> extended temperature range on request

<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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