

# BM SP 500-2 P

Borum Motorway

## Basic equipment:

### Engine

Water-cooled, Kubota Diesel engine, 4-cylinder, 3800 cm<sup>3</sup>. Turbo charged, 71 kW (95HP).

### Diesel oil tank

120 Litres. Tank capacity for approx. 12 working hours.

### Compressor

Screw compressor capacity available from 1800 L/min. up to 3600 L/min. at 10 bar. Automatic air-flow controlling system. Integrated air-cooling system. 40 L air storage tank, incl. water separator.

### Chassis

Stable double frame construction. Engine, screw compressor and hydraulic pumps in one unit mounted on vibration dampers.

### Transmission

Hydrostatic, infinitely variable transmission with 2 gears. Low gear 0-12.5 Km/h. High gear 0-25 Km/h. Progressive speed regulator for accurate low speed control.

### Hydraulic pump

Hydrostatic pump. Power take-off for 3 hydraulic pumps. 95 L hydraulic oil tank with level and temperature indicator. Hydraulic oil cooler.

### Wheel gear motors

Piston motors with integrated gear (Ratio: 5:1) for constant speed. High-torque electro hydraulic disc brakes.

### Pressurised bead tanks

Capacity 2 x 150 L. Two separate pressurised bead tanks. Filling at the side of the machine and low positioned for easy filling. Valves on bead outlet.

### Operator's section

Suspended two seat driver section. The entire section, incl. the side-view mirrors can be slid quickly and easily from left to right without the use of any tools. Steering wheel and computer panel mounted on 3D adjustable rod, which ensures perfect ergonomic positioning for the operator.

### Electrical system

12 V/90 Amp alternator, slidable side marking lights, warning lights, rear lights, front lights, emergency stop, battery and relays.

### Power steering

Dual hydraulic power steering

(direct steering during marking, full servo assistance during manoeuvring). Turning circle 9.80 m.

### Guide rod

Stabilised against vibrations and adjustable in all directions. Easy handling, telescopic system.

### Bonnet

Easy access for service in the left and right side by means of full-size doors.

### Electronic skip-line control BM UNI-LINE-EUR 1

For up to 3 paint guns and 3 bead guns. The waterproof control panel is equipped with raised buttons and each button has its own symbol for easy operation. 10 marking combinations can be pre-programmed. Automatic, semi-automatic and manual operation. Automatic remarking correction of cycle start and stop. Display for line length, gap, road speed, working hours and total marking distance. Optional remote start/stop function.

### Gauges

For oil pressure.  
For water temperature.  
For diesel oil.

### Paint

Standard: RAL 1007 Yellow.

## Spray-plastic pump equipment:

### Non-pressurised spray-plastic tank

500 L tank oil-jacketed and isolated. Indirectly heated by heat transfer oil. Vertical mixer with top foundation by ball bearings. Thermostatically controlled oil and material temperature.

### Agitator transmission

Hydraulic transmission with motor, shaft, safety valve and on/off valve. Reversible mixer.

### Burner system

Diesel oil burner or alternatively Propane burner.

### Heat transfer oil pump

Hydraulically driven.

### Spray-plastic pump

Spray-plastic pump operates with a non-pressurised material tank. The pump consists of a hydraulically driven motor, gearbox, clutch, highly durable rotors and pump house. Pump housing is oil-jacketed and isolated. Capacity 80 L/min. at 10 bar.

### Electro hydraulic control system

Hydraulic control valve adjusts the quantity of spray-plastic material according to the speed of the machine in order to obtain a constant layer thickness.

### Retainer

Basic frame and marker unit for 3 spray guns and 3 bead guns. All material pipes are oil-jacketed and isolated to maintain ideal material temperature.

### Panel for pneumatic control

### Control panel with pressure regulators and pressure gauges.

### Spray-plastic gun

Automatic high-capacity sprayplastic gun. Oil-jacketed gun body and pneumatic controlled (see special catalogue).

## Options

### Cruise Control

Incl. reversing alarm. Possibility for 2 pre-set speeds Possibility for adjusting speed with 0,5km/h (up/down)

### Cone holder

### Turnable Guide rod

Mounted in connection with turning front wheels.

### Hydraulic lifting of pointer

Lifting and lowering of pointer is controlled from the driver's seat.

### Premark system

Electronically controlled premark system with telescopic foundation and ground distance wheel.

### Sun Roof

### Dimensions and weight

Excl. Equipment  
L : 5460 mm.  
W: 1330 mm.  
H : 2400 mm incl. rotating light.  
Weight:  
From: 3300 up to 4050 kg.  
Max. allowed total weight: 7000 kg.

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– it's straightforward