



PHOTOS MAY SHOW OPTIONAL OR CUSTOMISED EQUIPMENT.



Single basic line



Single basic line



Double basic line



Double basic line

COLD PAINT AIRLESS SPRAY APPLICATION

The BM 5500 is a high capacity line marking machine designed for large scale jobs such as marking highways, motorways or airport runways. The material tank capacity can be either 2 x 440L or 1 x 1000L. The possibility of large material capacity naturally gives fewer stops during the day for refilling.

Equipped with a new Deutz diesel engine, the BM 5500 meets the EU Stage IV final (Stage V ready) and US Tier 4 emissions standards. The engine room is also designed to offer you easy access and servicing of the machine through large doors to the engine room.

The BM 5500 has a two-seat slidable drive and operator section for flexible working on the left or right side.

The application equipment can be set to execute lines in widths up to 100 - 125 cm (depending on line thickness) and with two colours. The equipment may be used for the application of single and double lines of different widths, as well as for the simultaneous application of continuous and intermittent lines.

KNOWING THE BM 5500

OPERATOR SECTION

Quick and easy change from side to side for marking left and right. Dual torque steering – good directional stability. Cruise control can be added as optional equipment.

LINEMASTER COMPUTER

With the LineMaster Computer you can control up to 6 paint or spray guns, 6 bead guns and equipment with up to 24 shutters. Moreover, it controls all these various sets of equipment in this ONE unit.

EFFICIENT SCREW COMPRESSOR

Hydraulically driven. Positioned behind the operator for quick access. Possibility to turn compressor ON/OFF.

DIESEL TANKS

Allows for a full day's work.

ENGINE ROOM

Easy access for service.

PRESSURIZED BEAD TANK

Tank divided in two chambers. Individual or single outlet (2 in 1). Low filler necks for easy refill.

WHEEL MOTOR

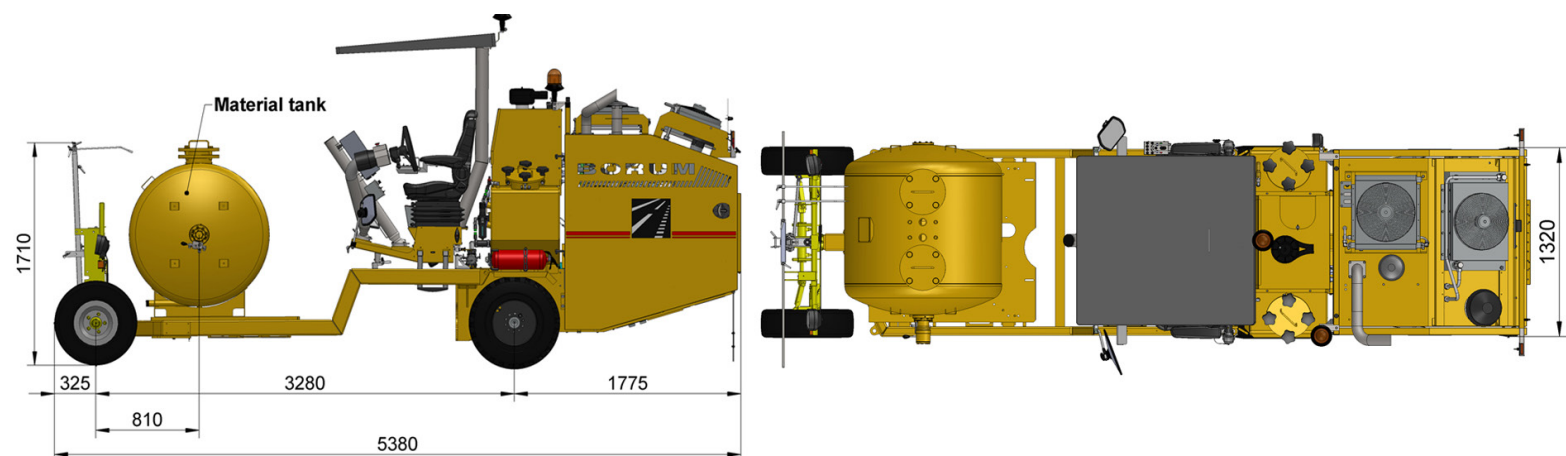
2-speed wheel motor. Allows working uphill.

MATERIAL TANKS

The possibility of an extra large material tank for major works ensures the most efficient workday and fast progression of the road works.

CHASSIS

Solid double-frame construction



TECHNICAL SPECIFICATIONS

ENGINE		
Cooling	Water	
RatedPower	90kW / 121HP @ 2300rpm	
Manufacturer	Deutz TCD 3.6 L4	
Cylinder	4 cylinder, 3600cm ³	
Approval	EU Stage IV final (Stage V ready) – US Tier 4. CRT + SCR, AdBlue	
Type	4 stroke, common rail diesel with turbo and intercooler	
COMPRESSOR		
Compressor Capacity	Hydraulic driven, air screw 2400 or 4500 L/min @ 10 bar. Integrated oil system with external oil cooler. Water separator.	
FILLING CAPACITIES		
Bead capacity	330 L (2 x 165 L). Pressurized (max 3 bars)	
Hydraulic tank size	126 L	
Fuel tank capacity	159 L (78 +81 L)	
MATERIAL TANK		
Material Tank	440 L	
Material Tank	2 x 440 L or 1000 L	
DRIVING PROPERTIES		
Turning radius	4.90 m.	
Steering	Dual torque steering	
Drive angle	8° or 14% at 21 km/h, 17° or 30% at 11km/h	
TRANSMISSION		
Hydrostatic transmission	For variable speed	
Speed	Low gear 0-12 km/h, high gear 0-24 km/h	
ELECTRICAL SYSTEM		
Electrical system	12 V / 150 Amp	
CONTROL UNIT		
Borum LineMaster	Program up to 99 different line types. Organise lines in up to 30 marking programs. 8" display. Transfer of daily marking reports. Data about road marking jobs can be accessed online (optional).	
COLOUR		
Colour	RAL 1007 (Other colours available on request)	
DIMENSIONS		
Length	5350 mm	
Width	1300 mm	
Height	2250 mm (Without Beacon)	

AIRLESS COLD PAINT EQUIPMENT

High-pressure airless spraying uses a high-pressure airless piston pump to spray the paint. This method can apply paints of high viscosity, and apply relatively thick layers in a single pass. However, the paint cannot be mixed in with glass beads as in the case of atomizing spray equipment due to the pump.



Sliding retainer frame, upon which 1-3 paint guns and 1-3 bead guns can be attached as standard. You can also opt for the option wide retainer on which up to 5 paint guns and 5 bead guns can be provided.

Easily slideable retainer from side to side for an optimal working position. Ground distance is maintained by retainer wheel to ensure a constant road marking width.

Lifting of retainer is done from the operator's seat.

The machine can be equipped with multiple material tanks, so that dual-color marking can be carried out.

Working speed can be up to 15 km/h depending on the conditions, e.g. material, line type, and operator experience.

BM COLD PAINT AIRLESS GUN

Automatic high-performance spray gun. Nozzle set for water-based, solvent-based and high solid paints.

Possibility to apply line widths up to 25 cm with standard nozzles depending on line thickness, work conditions, and application speed. You can also choose from a wide range of nozzle sizes depending on your requirements.

High-pressure filter unit with integrated pulsation damper. Easy cleaning and maintenance.

MATERIAL TANK: BLACK STEEL TANK



BLACK STEEL TANK

The material tank is fitted with two larger filling holes, this makes the filling process easy to manage.

In addition, the large filling holes also make cleaning of the tanks more accessible.

AGITATOR (MIXER)

Driven by a hydraulic motor and with the manually operated reversing valve.

STAINLESS TANK (OPTION)

Material tank and filters in stainless steel are recommended for water and ammonium based paints.

CLEANING SYSTEM

10L pressure solvent tank for cleaning of hoses and paint guns.

LINEMASTER FEATURES

The Borum LineMaster control unit is an easy way of setting and controlling your line marking jobs. The LineMaster is attached to the operator's section of the machine and gives you full control of all your line marking tasks, from line application and pre-marking to reporting and invoicing.

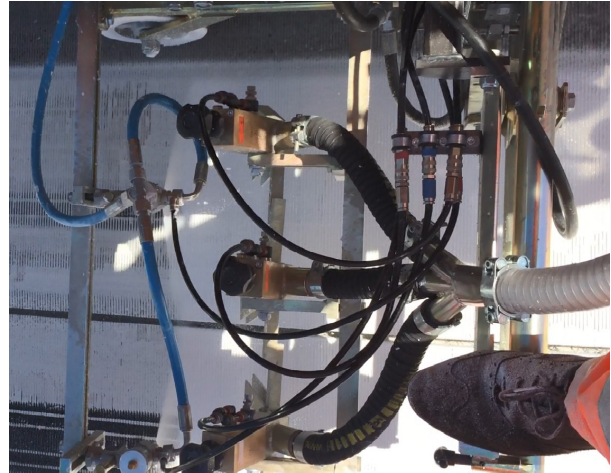
It is possible to store up to 99 different line types, and to arrange these in up to 30 different marking programs. You are also able to pre-set line widths, line types and different combinations to have them ready for marking, and can instantly adjust them on the go.

Furthermore, you are able to view the status of various parts of the machine (e.g. compressor) on the computer screen that will help with correctly maintaining the machine and avoiding break downs.



ADVANTAGES OF COLD PAINT MATERIAL

High-pressure airless spraying uses a high-pressure airless piston pump to spray the paint. The airless spray paint is sharper and smoother than atomized spray as there is no high-speed airflow to scatter any rebounding paint. The marked lines are neat and more clear-cut compared to atomizing spray paint.



This method can apply paints of high viscosity, and apply relatively thick layers in a single pass. However, the paint cannot be mixed in with glass beads as in the case of atomizing spray equipment due to the pump.



TYPICAL USES:

Cold paint is a cost effective solution for executing flat markings over asphalt pavements and for use in repairs.



LEARN MORE

Find out more in the Borum Knowledge Lab.

ADDITIONAL EQUIPMENT

The additional equipment can be mounted on the machine according to your requirements. They are not necessary for the running of the machine but add to the comfort of the machine driver or to the functionality of the machine.



Hand paint gun



Pre-marking system with paint can



Pre-marking system with paint gun



Bar with pneumatic lift for mounting warning lights
(Comes without lights)



Sunshade with 1 rotating light



Remote control for BM Lin-eMaster



BORUM Online



Cone holder



Bead alarm mounted on bead gun



Pointer turning with steering
With hydraulic lifting system



Hydraulic broom



Airknife



Fixed pointer
With hydraulic lifting system



Ejector filling of bead tank



Air drier for bead tank