



PHOTOS MAY SHOW OPTIONAL OR CUSTOMISED EQUIPMENT.



Single basic line



Single basic line



Double basic line



Double basic line

ATOMIZED COLD PAINT 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 Borum atomized cold paint spray application equipment can be set to execute lines in multiple colours and in widths of 8-100 cm, depending on the set-up of the machine. 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.

FULL REAR VIEW

DIESEL TANKS

Allows for a full day's work.

ENGINE ROOM

Easy access for service.

WHEEL MOTOR

2-speed wheel motor. Allows working uphill.

PRESSURIZED BEAD TANK

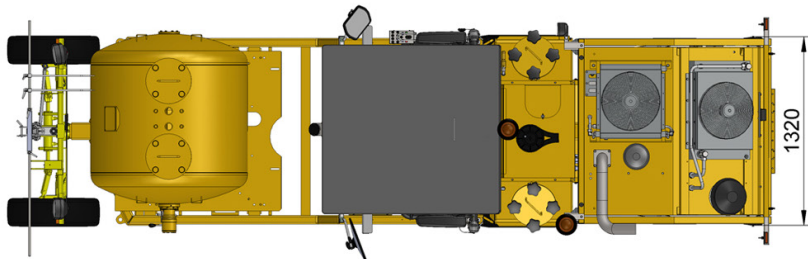
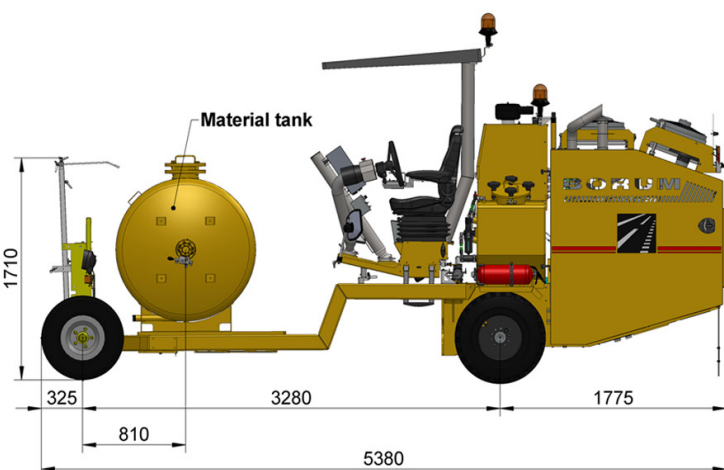
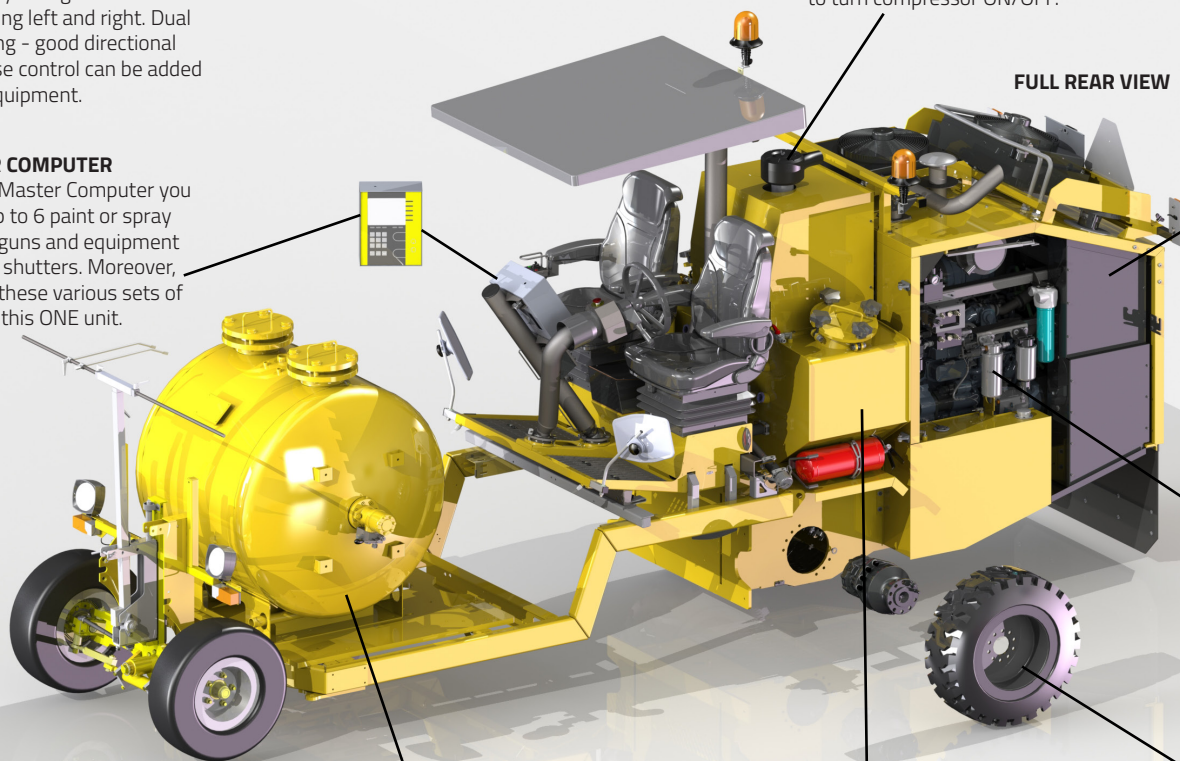
Tank divided in two chambers. Individual or single outlet (2 in 1). Low filler necks for easy refill.

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.
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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	2 x 440 L or 1000 L
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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
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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).
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COLOUR

Colour	RAL 1007 (Other colours available on request)
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DIMENSIONS

Length	5350 mm
Width	1300 mm
Height	2250 mm (Without Beacon)

PRESSURIZED COLD PAINT EQUIPMENT

Air spray with atomizing air is a method of marking that uses a pressure tank for the material and compressed air to atomize and spray the paint onto the road surface.



For all Borum spray machines, the equipment is mounted on a sliding retainer frame as standard that allows you to quickly slide the equipment from one side to another. You can have 1-3 paint guns, depending on the set-up of the machine, and 1-3 bead guns are attached.

The ground distance is maintained by a retainer wheel to ensure a constant road marking width. Lifting of retainer is pneumatic and done from the operator's seat.

Paint filter with cut-off valve for easy maintenance.

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

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

BM C6 COLD PAINT GUN

High-performance spray gun. with a 6 mm nozzle set for water-based, solvent-based and high solid paints. The BM C 6 gun can work with paint marking pressure up to approx. 8 bar.

Air capacity of 300-700 L/min. is needed per gun.

Possibility to apply lines in widths from 8 to 20 cm with one gun depending on work conditions, nozzle size, application speed, and layer thickness. Line thickness is typically between 0.25 mm to 0.80 mm.

PRESSURIZED BLACK STEEL TANK



PRESSURIZED COLD PAINT TANK

Pressurized black steel tank for solvent - based cold paint.

The material tank has a filling system with large filling holes. This makes the filling process very easy to manage. In addition, the large filling holes also make cleaning the tanks easy.

AGITATOR (MIXER)

Driven by hydraulic motor and with manually operated reversing valve.

STAINLESS TANK (OPTION)

Pressurized material tank and filters in stainless steel 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.

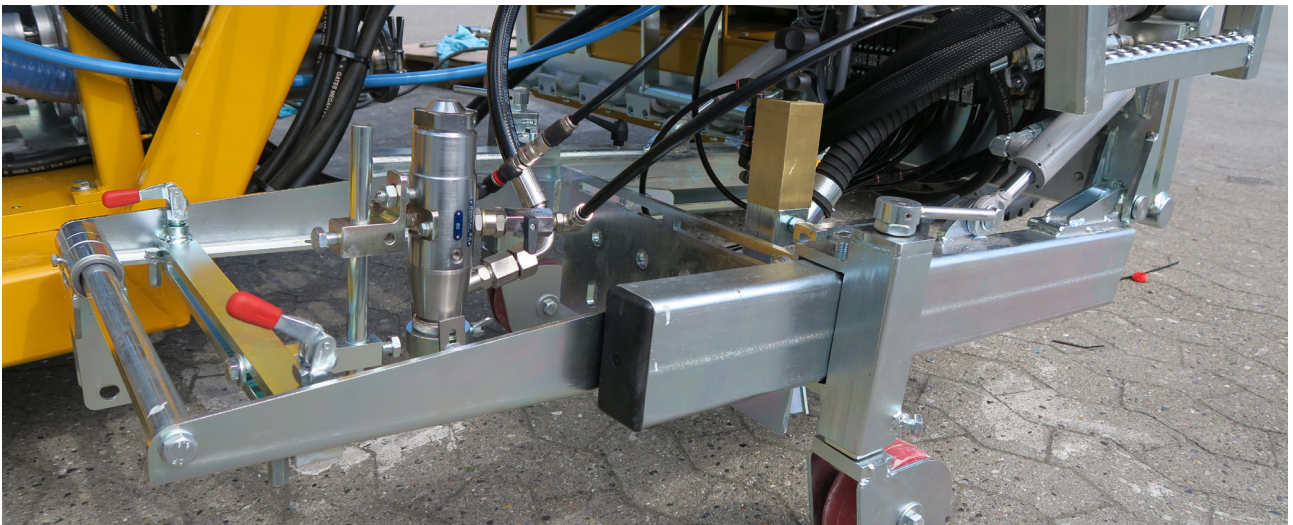
Furthermore, you are able to view the status of various parts of the machine (e.g. compressor) on the computer screen that will help with correctly maintaining the machine and avoiding break downs.



COLD PAINT FEATURES

Cold paint material is a cost-effective solution for executing flat markings over all types of pavements and for use in repairments. Flat lines are mainly used in well-illuminated areas as urban roads for e.g. where the lines do not need high retroreflectivity levels.

Although drying time different between types of paints, it is usually quite long and cones and traffic management might be needed.



TYPICAL USES:

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



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.



Pre-marking system with paint can



Cone holder



Airknife



Sunshade with 1 rotating light



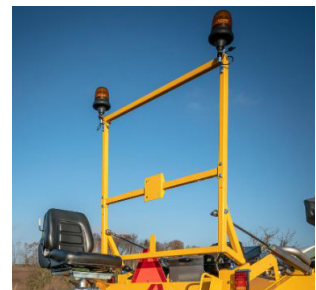
Remote control for BM Lin-eMaster



BM Online



Air drier for bead tank



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



Pointer turning with steering
With hydraulic lifting system



Pre-marking system with paint gun



Hand paint gun



Fixed pointer
With hydraulic lifting system



Ejector filling of bead tank



Hydraulic broom



Bead alarm mounted on bead gun