



PHOTOS MAY SHOW OPTIONAL OR CUSTOMISED EQUIPMENT.



Single basic line



Single basic line



Double basic line



Double basic line



Wide line

## COLD PAINT AIRLESS APPLICATION EQUIPMENT

Airport marking creates the need for line marking machines that have the capacity and robustness for covering large areas. The BM 2000 CA is an agile machine that allows for paint tank capacities of 440 L or 2 material tanks of 220 L with one airless pump. As an extra option, we can also equip the machine with two airless pumps (one per each material tank), which offers the possibility of marking in two colours in one pass.

The BM 2000 CA can be equipped with up to 5 paint guns and 5 bead guns with which you can apply line widths of up to 125 cm. Borum machines are also equipped with a sliding retainer frame that makes handling the application equipment easier and quicker.

Equipped with the new generation of Borum's LineMaster computer, you are able to easily switch between line types, and adjust line characteristics on the go in order to save time.

# KNOWING THE BM 2000

## 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.

FULL REAR VIEW

## CHASSIS

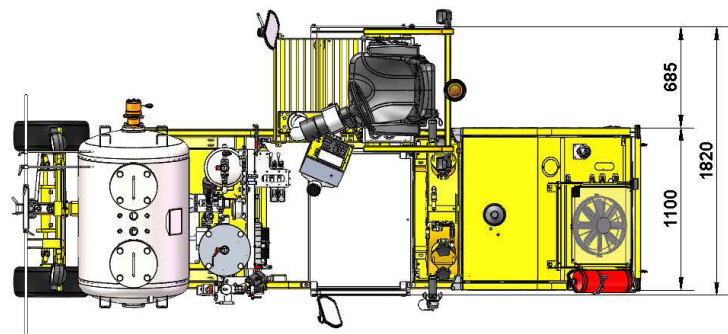
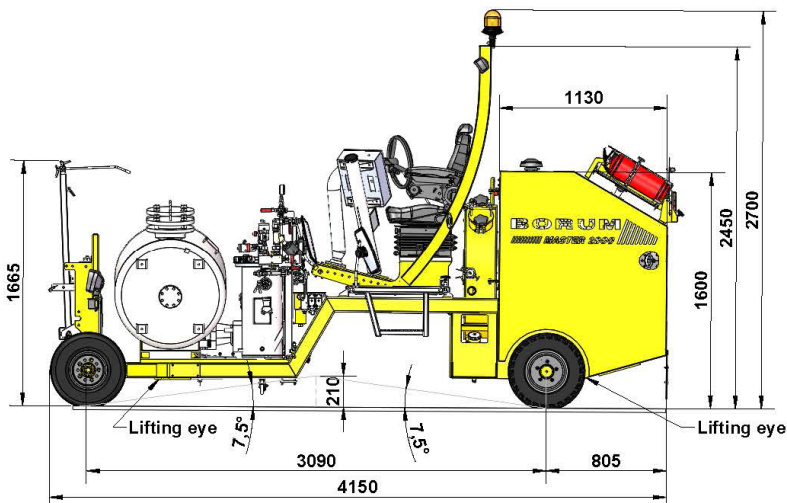
Solid double-frame construction

## 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.

PRESSURIZED  
BEAD TANK

ENGINE ROOM  
Easy access for service.



# TECHNICAL SPECIFICATIONS

| ENGINE                   |  |  |  |  |  |  |  |
|--------------------------|--|--|--|--|--|--|--|
| Manufacturer             | Kubota   |  |  |  |  |  |  |
| Type                     | Turbo (Diesel)   |  |  |  |  |  |  |
| Cooling                  | Water  |  |  |  |  |  |  |
| Cylinder                 | 4 stroke 2400 cm3  |  |  |  |  |  |  |
| RatedPower               | 44 KW  |  |  |  |  |  |  |
| Approval                 | EU stage IIIA (type V2403-M-T-)/US Interim TIER 4  |  |  |  |  |  |  |
| COMPRESSOR               |  |  |  |  |  |  |  |
| Compressor Capacity      | Screw compressor. 1800 L/min @ 10 bar Integrated oil-cooling system. Air-cooler incl. water separator.   |  |  |  |  |  |  |
| FILLING CAPACITIES       |  |  |  |  |  |  |  |
| Fuel tank capacity       | 50 L (diesel)  |  |  |  |  |  |  |
| Hydraulic tank size      | 50 L   |  |  |  |  |  |  |
| Bead capacity            | 115 L/170 kg. Pressurized (max 1.2 bars)   |  |  |  |  |  |  |
| MATERIAL TANK            |  |  |  |  |  |  |  |
| Material Tank            | 440 L or 2 x 220 L   |  |  |  |  |  |  |
| DRIVING PROPERTIES       |  |  |  |  |  |  |  |
| Turning radius           | 3,2 m  |  |  |  |  |  |  |
| Steering                 | Dual torque steering   |  |  |  |  |  |  |
| TRANSMISSION             |  |  |  |  |  |  |  |
| Hydrostatic transmission | For variable speed, forward/backwards  |  |  |  |  |  |  |
| Speed                    | 0-16 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                   | 4150 mm  |  |  |  |  |  |  |
| Width                    | 1100 mm  |  |  |  |  |  |  |
| Height                   | 2450 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.

# NON-PRESSURIZED BLACK STEEL TANK



Non-pressurized black steel tank for water-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.

## 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.

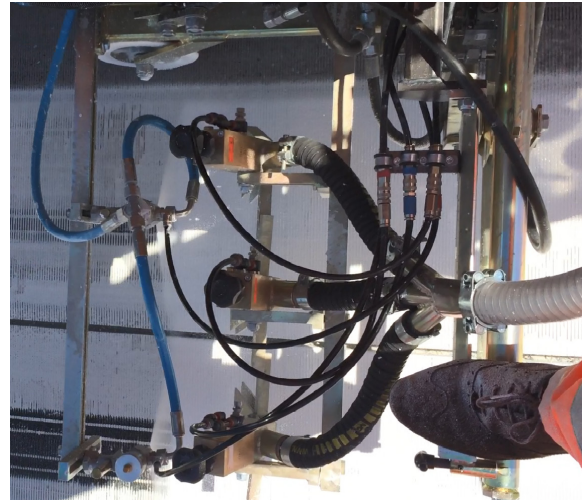
Furthermore, you are able to view the status of various parts of the machine (e.g. compressor) on the computer screen that will help with correctly maintaining the machine and avoiding break downs.



## 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.

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.



**Ejector filling of bead tank**



**Air drier for bead tank**



**Fixed pointer**  
With hydraulic lifting system



**Remote control for BM Lin-eMaster**



**Cone holder**



**Pointer turning with steering**  
With hydraulic lifting system



**Sunshade with 1 rotating light**



**Cruise control**



**BM Online**



**Bead alarm mounted on bead gun**



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



**Pre-marking system with paint gun**



**Airknife**



**Pre-marking system with paint can**



**Hydraulic broom**



**Hand paint gun**