

# **BORUM** BM 5700 CA AIRPORT MARKING



## LINE TYPES



Single basic line



Single skip line



Double basic line



Double basic line  
combi



Wide line

## COLD PAINT AIRLESS APPLICATION

The BM 5700 series provides you with a variety of high capacity line marking machines designed for large scale jobs such as marking highways, motorways or airport runways. Its high capacity and power make the BM 5700 the best and most uncompromising choice for any major line marking job. The machine can be equipped with two material tanks of 440 L (and two separate airless pumps), which offer the possibility of marking in two colours or one material tank of 440 L or 1000 L for one colour.

Equipped with a Deutz diesel engine, the BM 5700 meets the EU Stage V (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 5700 CA can be equipped with up to 5 paint guns and 5 beads 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.

# KNOWING THE BM 5700

## 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.

## CHASSIS

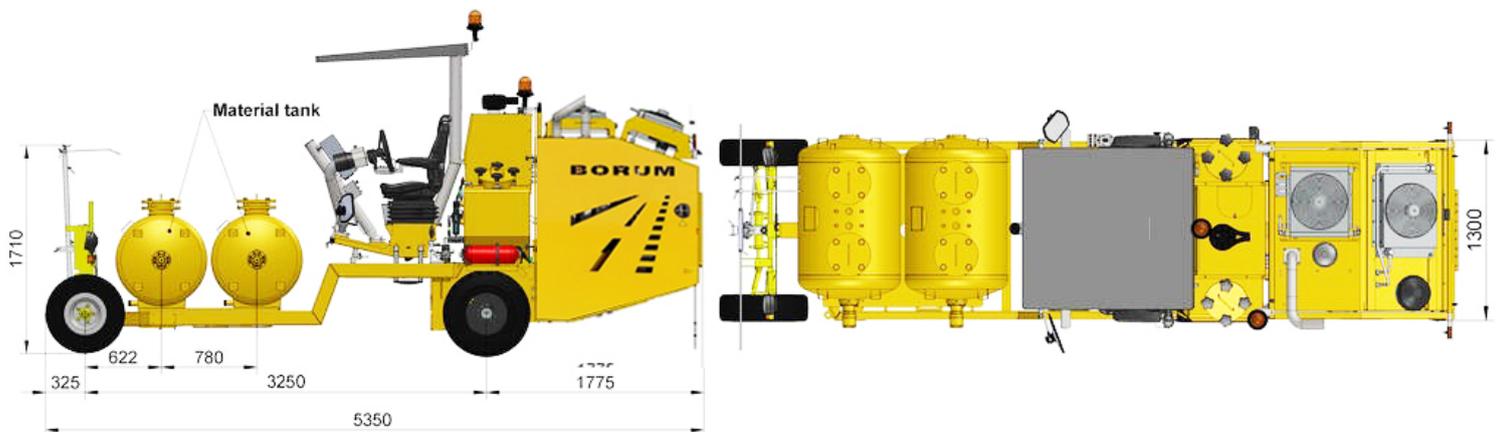
Solid double-frame construction

## 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

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



# TECHNICAL SPECIFICATIONS

ENGINE	
Manufacturer	Deutz
Cooling	Water
RatedPower	100 kW / 136 HP @ 2300 rpm
Cylinder	4 stroke 3600 cm <sup>3</sup>
Type	Turbo (Diesel)
Approval	EU Stage V (TIER 4)
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	
Fuel tank capacity	159 L (78 +81 L)
Hydraulic tank size	120 L
Bead capacity	330 L (2x 165 L). Pressurized (max 3 bars)
MATERIAL TANK	
Material Tank	440 L
Material Tank	2x 440 L or 1000 L
DRIVING PROPERTIES	
Drive angle	8° or 14% at 21 km/h, 17° or 30% at 11km/h
Turning radius	4.9 m
Steering	Hydraulic dual torque steering
TRANSMISSION	
Hydrostatic transmission	For variable speed, forward/backwards
Speed	Low gear 0-12 km/h, high gear 0-24 km/h
ELECTRICAL SYSTEM	
Electrical system	24 V / 100 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	Borum Yellow (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.

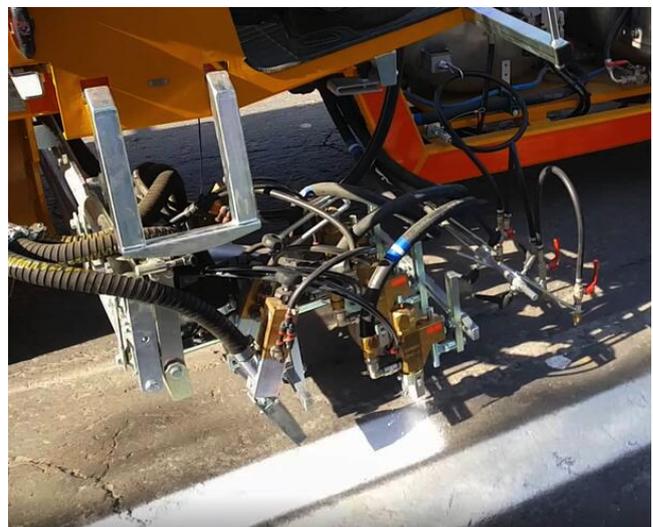
Working speed can be up to 15 km/h depending on the conditions, e.g. material, line type, and operator experience.

## 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.



# NON-PRESSURIZED BLACK STEEL TANK



## 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.

## FEATURES OF LINEMASTER AND MACHINEMASTER

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.

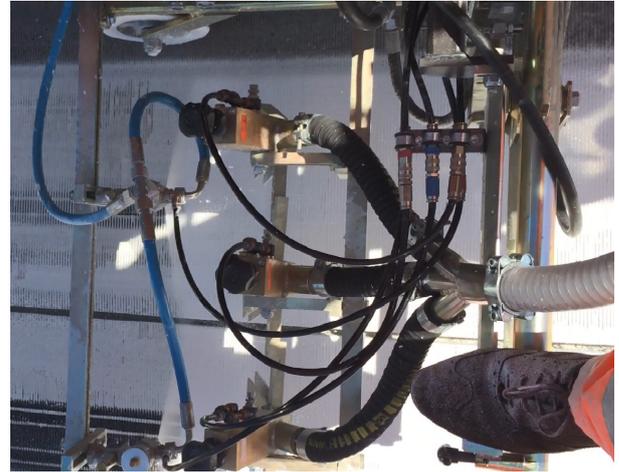


In the MachineMaster computer, you are able to view the status of various parts of the machine (e.g. compressor) on the computer screen that will help with correctly maintaining the machine and avoiding break downs.

## 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.



**Pointer turning with steering**

With hydraulic lifting system



**Fixed pointer**

With hydraulic lifting system



**Sunshade with 1 rotating light**



**Remote control for BM LineMaster**



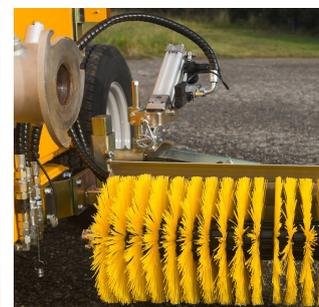
**Bead alarm mounted on bead gun**



**Air drier for bead tank**



**Ejector filling of bead tank**



**Hydraulic broom**



**Airknife**



**Cone holder**



**Bar with pneumatic lift for mounting warning lights**

(Comes without lights)



**Pre-marking system with paint can**



**Pre-marking system with paint gun**



**BM Online**



**Hand paint gun**