

PHOTOS MAY SHOW OPTIONAL OR CUSTOMISED EQUIPMENT.

LINE TYPES



Single line



Single skip line



Double line



Double skip line

2-COMPONENT AIRLESS APPLICATION (98:2)

From city areas to urban and interurban roads, the BM 2700 can handle both smaller jobs and longer road stretches.

The BM 2700 is an agile machine with excellent load abilities. It allows for thermoplastic capacities up to 360 liters (95 gal.), 2- component or Cold Paint capacities of 440 liters (116.2 gal.) and for two colors cold paint also 2 x 220 liters (2 x 58.1 gal.).

Equipped with the Borum LineMaster computer, operating the machine is easy and convenient. The application equipment can be set to execute lines between 10 - 30 cm.

The equipment on this machine may be used for the application of flat lines in both single and double lines of different widths as well as for simultaneous application of continuous and interrupted lines.

REVISION-001

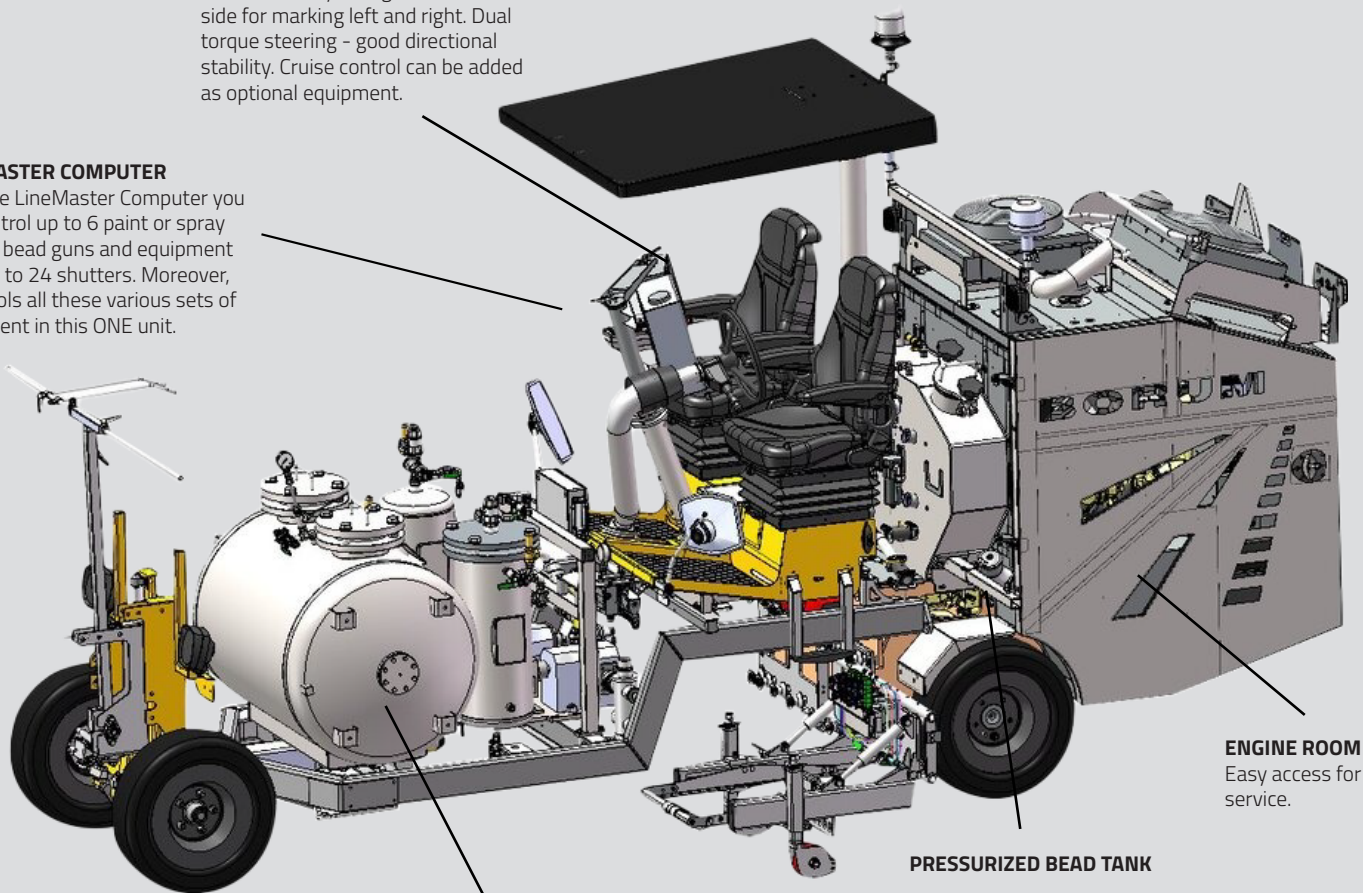
KNOWING THE BM 2700

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.



ENGINE ROOM

Easy access for service.

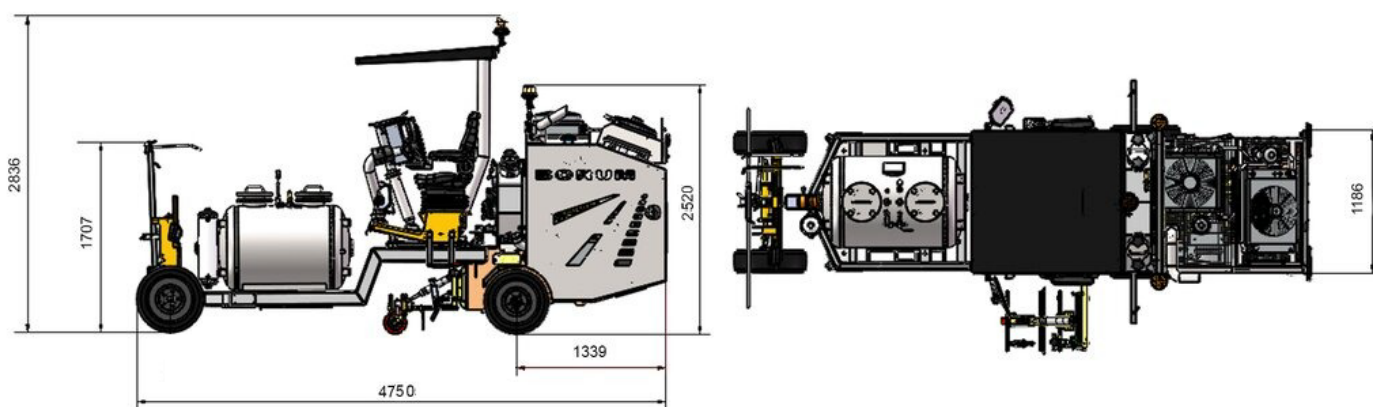
PRESSURIZED BEAD TANK

MATERIAL TANKS

Possibility to choose between black steel and stainless steel tanks with capacities of 440 L or 2x200 L.

CHASSIS

Solid double-frame construction

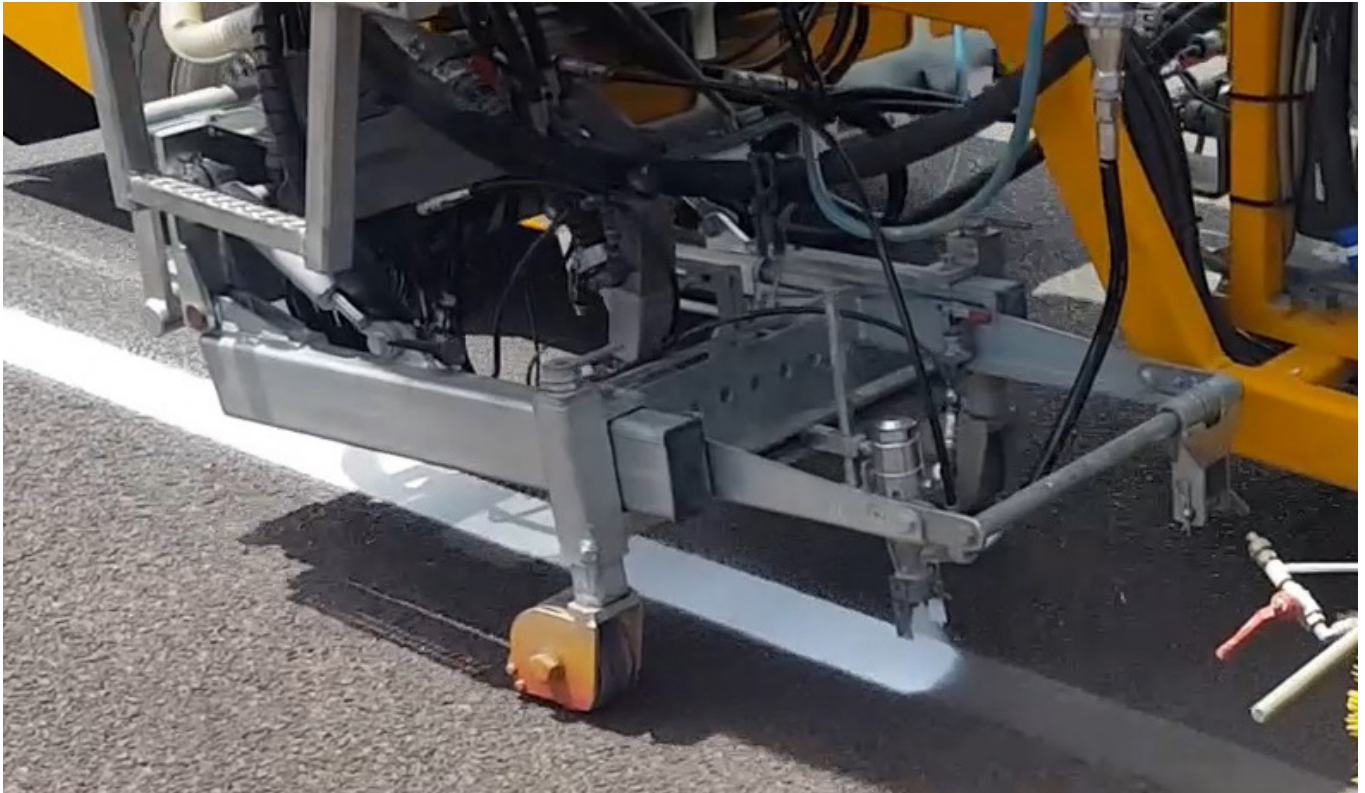


TECHNICAL SPECIFICATIONS

ENGINE							
Manufacturer	Deutz						
Cooling	Water						
RatedPower	55 kW						
Cylinder	4 stroke 2900 cm³						
Type	Turbo (Diesel)						
Approval	EU Stage V (TIER 4)						
COMPRESSOR							
Compressor Capacity	Screw compressor 2400 L/min @ 10 bar. Integrated oil-cooling system. Air-cooler incl. water separator.						
FILLING CAPACITIES							
Fuel tank capacity	2x 60 L						
Hydraulic tank size	88 L						
Bead capacity	140 L/224 kg. Pressurized (max 1.5 bar)						
MATERIAL TANK							
Material Tank	440 L						
DRIVING PROPERTIES							
Drive angle	15° / 27%						
Turning radius	3.45 m						
Steering	Hydraulic dual torque steering						
TRANSMISSION							
Hydrostatic transmission	For variable speed, forward/backwards						
Speed	0-17 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	4750 mm						
Width	1180 mm without equipment						
Height	2520 mm						

2-COMPONENT (98:2) AIRLESS EQUIPMENT

Being equipped with an internal mixer for mixing of the paint and hardener and efficient cleaning system that is easily triggered from the machine's computer, the Borum 2-component cold plastic equipment is constructed to provide high-quality road markings.



Pulsation damper in the hydraulic oil circuit, which helps minimize piston pulsations. Sliding retainer frame, upon which 1 or 2 paint guns and 1 or 2 bead guns are attached. Easy slidable from side to side for an optimal working position.

Lifting of retainer is done from operator seat. Ground distance is maintained by retainer wheel to ensure a constant road marking width. The retainer makes it possible to use all application equipment in different positions on the machine.

Possibility to apply line widths up to 25 cm with standard nozzle depending on the nozzle choice, line

thickness, work conditions, application speed and layer thickness.

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

Alarm when hardener does not flow during marking work. This helps to avoid non-cured markings to be applied. Alarm when there is a break in the marking works which is longer than set in the computer. This notifies you to clean the system before material cures inside the equipment.

PISTON PUMP - DOUBLE ACTION

Double-action piston pump for 98% paint and 2% hardener with two pistons for the paint and one piston for the hardener. The 3 pistons are driven by a common hydraulic motor in order to secure the right relation between paint and hardener. A static mixer is mounted close to the paint guns.

Efficient pump with less wear and tear than other products available on the market. The pump has a sensor for registration of the paint flow. The pump capacity (displacement volume) is up to 45 L/min (99 lb wt./ min).

NON-PRESSURIZED STAINLESS STEEL TANK



NON-PRESSURIZED STEEL TANK

Non-pressurized material tank and filters in stainless steel for water and ammonium based paints.

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.

EASY-TO-USE CLEANING SYSTEM

The cleaning system is formed by a solvent tank for cleaning of mixer-head, hoses and paint guns. The system is activated via the Borum LineMaster computer. The cleaning is an automated preset sequence ensuring the correct valves are opening/closing.

36L (79 lb wt.) pressure solvent tank for cleaning of mixer-head, hoses and paint guns.
Stainless steel, max 8,5 bare (123 psi)

NB! When working with 2-component whenever the application is stopped, application equipment has to be cleaned from the cold plastic mixture within a few minutes.

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.



2-COMPONENT MATERIAL ADVANTAGES

The 2-component application material is a great solution for ensuring reliable line markings in areas with dense traffic. With 2-component material, you get a wear-resistant road marking with good visibility, durability and little dirt pick up.



The challenge with 2-component cold plastic material is that once it is mixed it needs to be applied on the road right away. Even though Borum machines are designed to mix the materials as late as possible in the application process, you will need to pay attention to the time frame you have, before the material cures inside the machine / equipment.



TYPICAL USES:

Thermoplastic is generally used on roads with high traffic volume and low night visibility as highways and motorways.



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



Ejector filling of bead tank



Sunshade with 1 rotating light



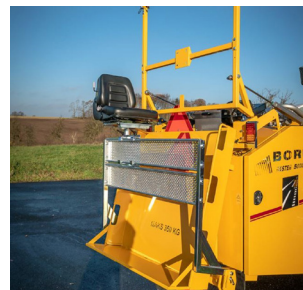
Pointer turning with steering
With hydraulic lifting system



Remote control for BM Lin-eMaster



Air drier for bead tank



Cone holder



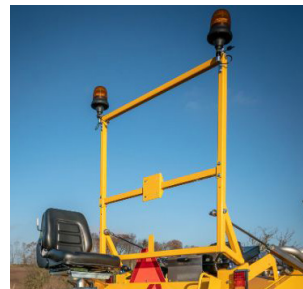
Cruise control



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



Fixed pointer
With hydraulic lifting system



Airknife



Pre-marking system with paint can



Hydraulic broom