



PHOTOS MAY SHOW OPTIONAL OR CUSTOMISED EQUIPMENT.

LINE TYPES



Single line



Single skip line



Double line



Double skip line



Double line combi

THERMOPLASTIC SPRAY APPLICATION (PRESSURIZED)

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

Equipped with Borum LineMaster computer, operating the machine is easy and convenient.

The BM 2700 has a one-seat slidable drive and operator section for flexible working on the left or right side. Easy access and servicing of the machine through large doors to the engine room. The Borum spray plastic equipment on the BM 2700 SP can apply lines of up to 40cm (~50cm) width, depending on the set-up.

The equipment may be used for the application of plain lines, single and double lines of different widths, as well as for simultaneous application of continuous and interrupted lines.

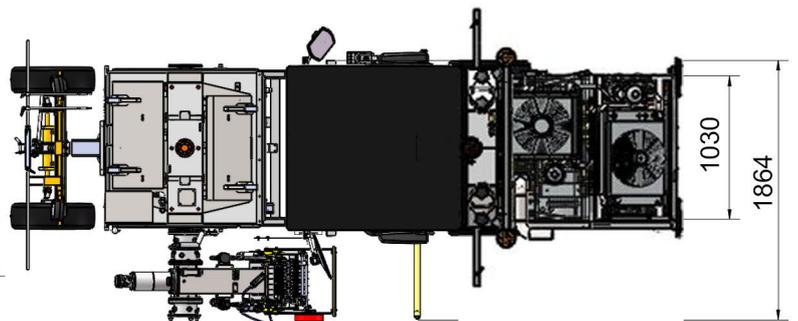
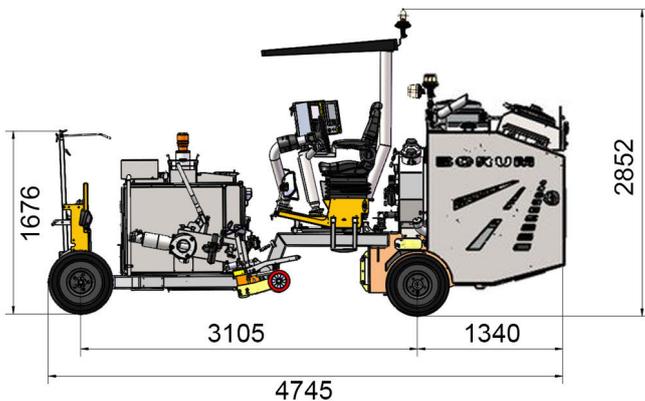
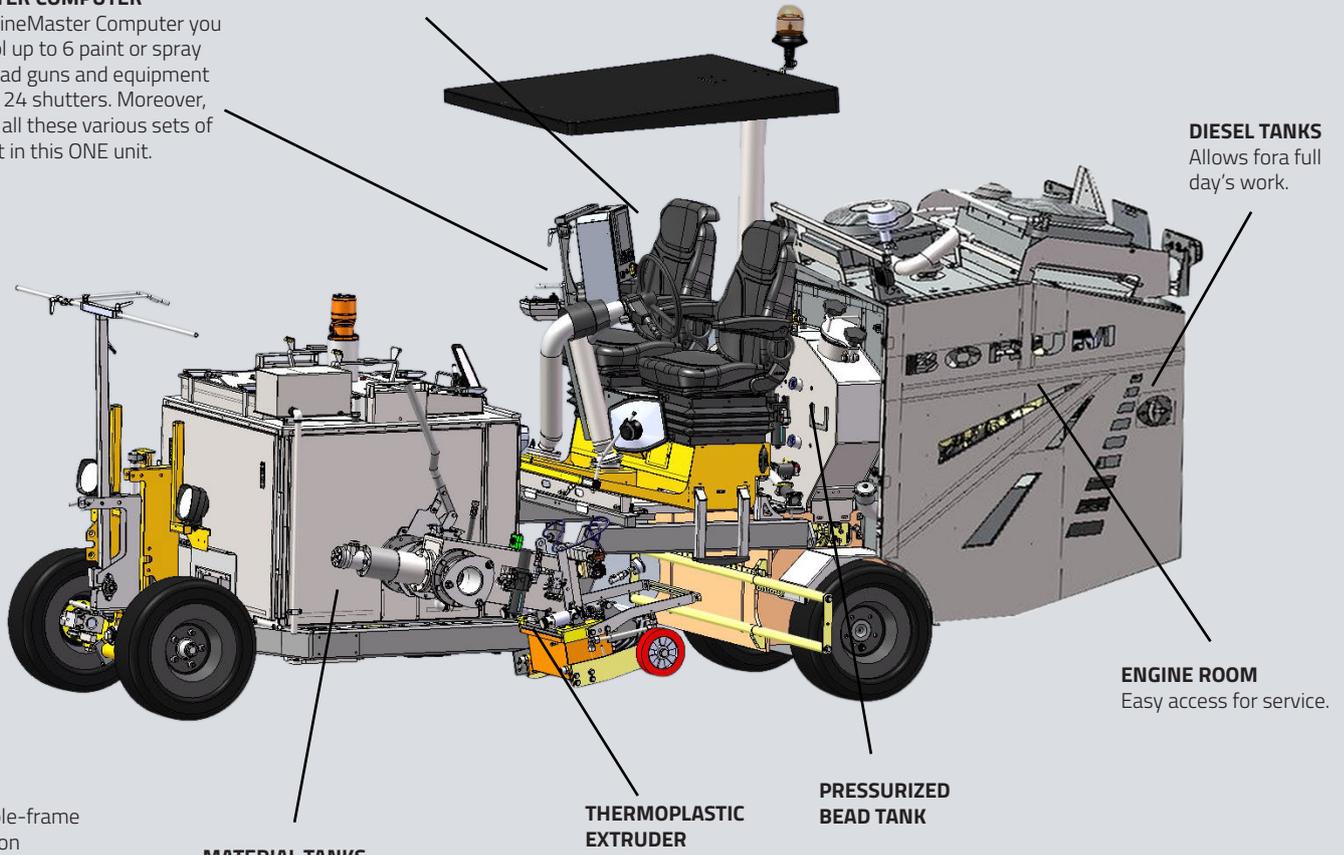
KNOWING THE BM 2700

OPERATOR SECTION

Quick and easy change from side to side for marking left and right. Dual torque steering – good directional stability. Cruise control is a part of 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.



TECHNICAL SPECIFICATIONS

ENGINE	
Manufacturer	Deutz
Cooling	Water
RatedPower	55 kW
Cylinder	4 stroke 2900 cm ³
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	360 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

THERMOPLASTIC SPRAY APPLICATION (PRESS. TANK)

The thermoplastic spray application equipment works via a pressure tank. The amount of material that is put on the road is set by the pressure of the tank and the air pressure of spraying. This offers you an easy to use the system.



Sliding retainer frame, upon which 1-3 spray guns and 1-3 bead guns can be attached. Easy slidable from side to side for an optimal working position. Ground distance is maintained by retainer wheels hereby ensuring a constant road marking width.

Lifting of retainer from operators seat is done using a hydraulic cylinder.

All material pipes are oil-jacketed and insulated to maintain an ideal material temperature.

Effective heating of the complete unit using a centrifugal pump, 42 L/min, hydraulically driven.

Line thickness is typically between 0.75 mm to 1.5 mm.

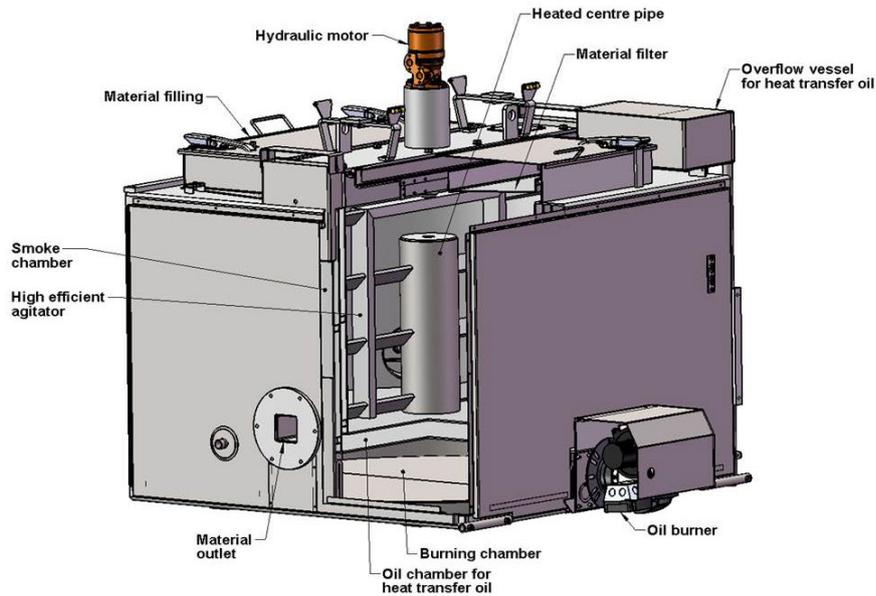
Marking speed up to 15 km/h depending on the work conditions, operator, etc.

GUN FOR SPRAY-PLASTIC APPLICATION

Automatic high-capacity spray plastic gun. Consists of an oil jacketed gun body and a pneumatic cylinder. Possibility to apply line widths ranging from 10 - 20 cm depending on line thickness, work conditions, application speed and layer thickness. As an alternative, we offer a narrow nozzle, which can spray 5-15 cm with one gun.

Optional narrow nozzle size of 3 mm or wide nozzle size of 7 mm.

PRESSURIZED MATERIAL TANK



Pressurized tank indirectly heated via thermal oil. The thermal oil and thermoplastic material temperature is thermostatically controlled and regulated automatically.

BURNER SYSTEM

Diesel burner system for heating of the thermal oil (and thermoplastic). Propane burner available on demand.

VERTICAL AGITATOR (MIXER)

With hydraulic transmission. Heated center pipe for efficient uniform temperature control. Perfect melting and homogenization of the thermoplastic. Stable construction with foundation and bearings at the top of the material tank.

ADVANTAGES WHEN USING A PRESSURIZED TANK FOR SPRAY:

The line thickness is affected by the machine speed, this is useful for applying thicker lines in curves and areas with higher wear and tear levels. The maintenance for the pressure tank is minimal compared to the thermoplastic spray pump system.

QUICK CLEANING

Pneumatically controlled quick cleaning system for removal of solids left in the extrusion slot. It can be activated while extrusion is in process and is only slightly detectable on the line in the form of a moderate thickening of layer.

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.



THERMOPLASTIC SPRAY ADVANTAGES

Due to the equipment working via a pressure vessel, it is very simple and easy to use as the pressure in the vessel is the same as the pressure in the application. Furthermore, the tank requires very little maintenance.



Thermoplastic spray markings are a cost-efficient solution as the applied lines do not require as much material as extruded profiled markings. Furthermore, this type of material forms a uniform application that is more durable and dries faster compared to cold paint applications.



TYPICAL USES:

Thermoplastic spray plastic is generally used for road marking in inter-urban areas.



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



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



Cone holder



Pointer turning with steering
With hydraulic lifting system



Remote control for BM LineMaster



Air drier for bead tank



Fixed pointer
With hydraulic lifting system



Pre-marking system with paint can



Airknife



Hydraulic broom