



PHOTOS MAY SHOW OPTIONAL OR CUSTOMISED EQUIPMENT.



Single basic line



Single basic line



Double basic line



Double basic line



Double basic line

## THERMOPLASTIC SPRAY PLASTIC APPLICATION

From city areas to urban and interurban roads, the BM 2500 can handle both smaller jobs and longer road stretches.

Equipped with the new generation of Borum's LineMaster computer, operating the machine is easy and convenient.

The BM 2500 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 2500 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 2500

## OPERATOR SECTION

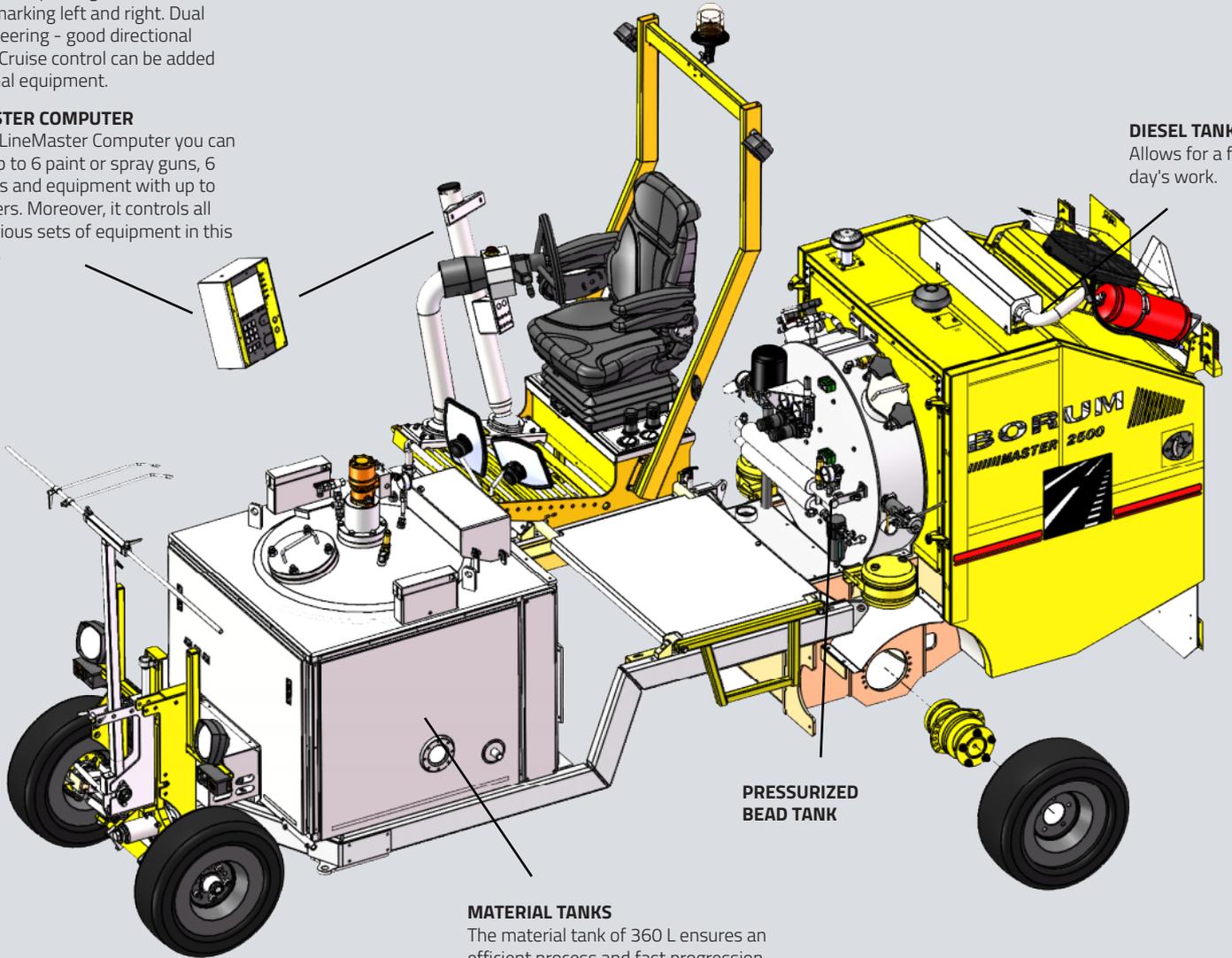
Quick and easy change from side to side for marking left and right. Dual torque steering - good directional stability. Cruise control can be added as optional equipment.

## 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.

## DIESEL TANKS

Allows for a full day's work.



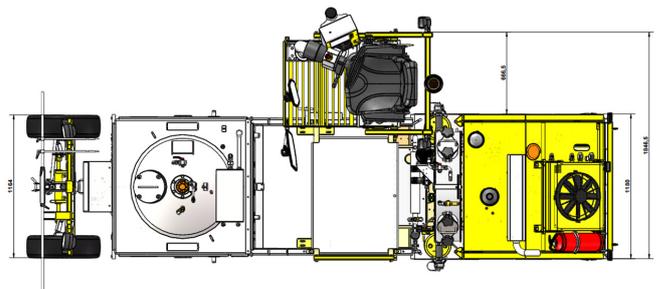
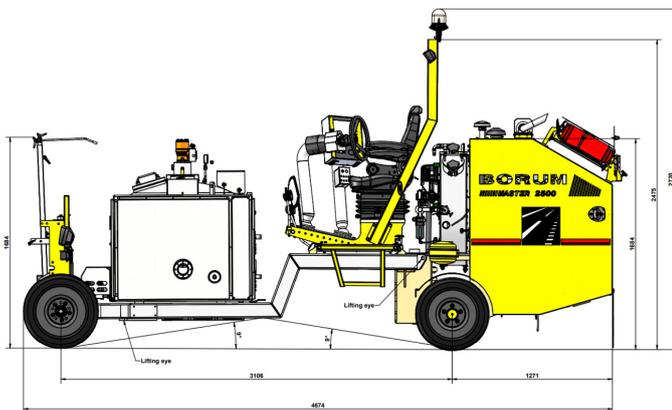
## CHASSIS

Solid double-frame construction

## MATERIAL TANKS

The material tank of 360 L ensures an efficient process and fast progression of the road works.

## PRESSURIZED BEAD TANK



# TECHNICAL SPECIFICATIONS

ENGINE	
Manufacturer	Kubota
Type	Turbo (Diesel)
Cylinder	4 stroke 2400 cm <sup>3</sup>
RatedPower	44 KW
Approval	EU Stage IIIA resp. TIER 3
Cooling	Water
COMPRESSOR	
Compressor Capacity	Screw compressor. 1800 L/min @ 10 bar Integrated oil-cooling system. Air-cooler incl. water separator.
FILLING CAPACITIES	
Bead capacity	115 L/170 kg. Pressurized (max 1.2 bars)
Hydraulic tank size	70 L
Fuel tank capacity	2 x 50L
MATERIAL TANK	
Material Tank	360 L
DRIVING PROPERTIES	
Steering	Dual torque steering
Drive angle	12 degrees / 21% (5000 kg)
Turning radius	4,2 m
TRANSMISSION	
Speed	0-15 km/h
Hydrostatic transmission	For variable speed, forward/backwards
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).
DIMENSIONS	
Length	4750 mm
Height	2520 mm
Width	1180 mm without equipment

# 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.

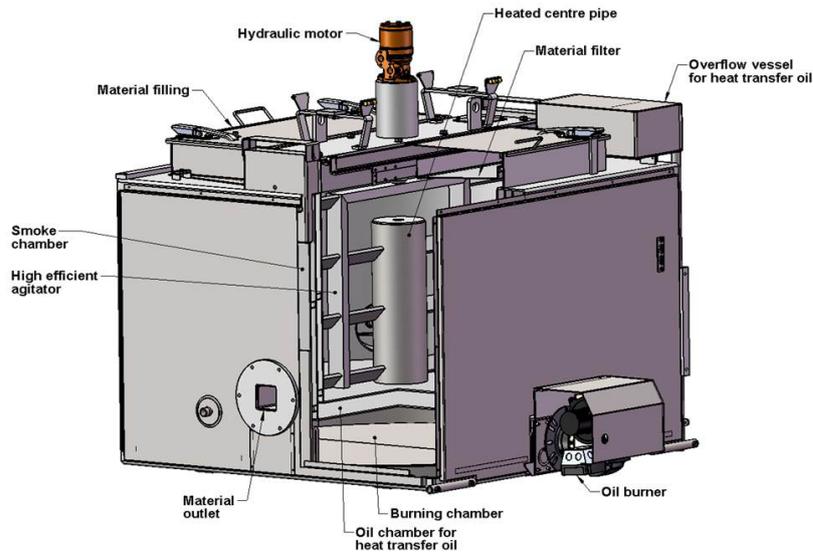
Marking speed up to 15 km/h depending on the work conditions, operator, etc.

## 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.

# 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.

## 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.

## 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**



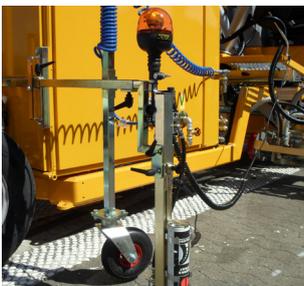
**Remote control for BM LineMaster**



**Air drier for bead tank**



**Fixed pointer  
With hydraulic lifting system**



**Pre-marking system with paint can**



**Airknife**



**Hydraulic broom**