



PHOTOS MAY SHOW OPTIONAL OR CUSTOMISED EQUIPMENT.

## LINE TYPES

Basic Line  
(Continuous)Basic Line  
(Interrupted)

## THERMOPLASTIC SPRAY PLASTIC APPLICATION

From city areas to urban and interurban roads, the Borum® Master 2000 can handle both smaller jobs and longer road stretches.

The BM 2000 SP is an agile machine with excellent load abilities and a turning radius of only 3.2 m. It allows for material tank capacity of 290 L.

The BM 2000 has a one-seat slidable drive and operator section for flexible working on the left or right side.

The Borum spray plastic equipment on the BM 2000 SP can apply lines of up to 40 cm 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.

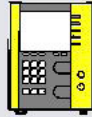
# KNOWING THE BM 2000

## 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

## 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



## FULL REAR VIEW

## DIESEL TANKS

Allows for a full day's work without refuelling.

## ENGINE ROOM

Easy access for service.

## PRESSURIZED BEAD TANK

Tank divided in two separate tanks. Individual or single outlet.

## MATERIAL TANKS

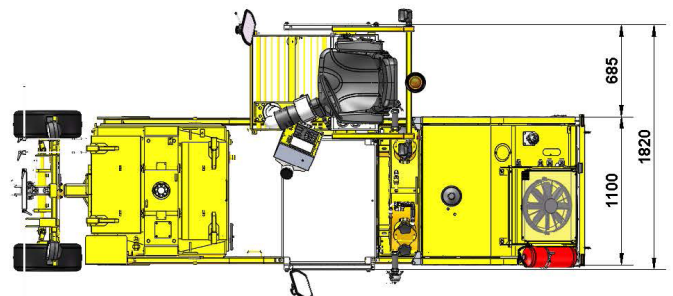
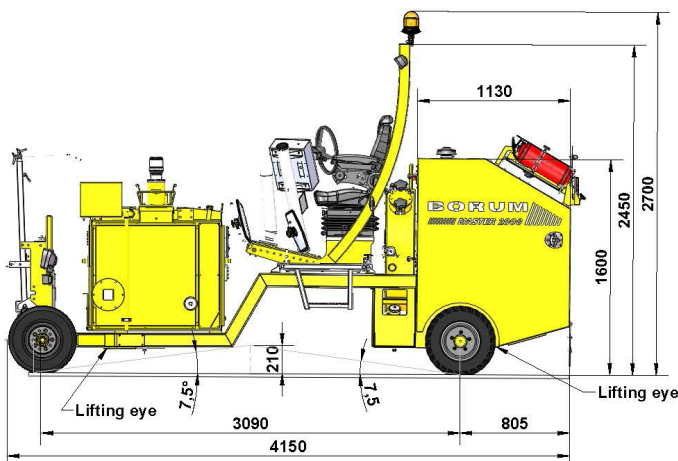
The possibility of an extra large material tank for major works ensures the most efficient workday and fast progression of the road works. Combination of hot thermoplastic and cold paint is also possible on an extended chassis.

## CHASSIS

Solid double-frame construction

## WHEEL MOTOR

2-speed wheel motor  
Allows working uphill



# TECHNICAL SPECIFICATIONS

ENGINE	
Manufacturer	Kubota
Type	Turbo
Cooling	Water
Cylinder	4 stroke 2400 cm <sup>3</sup>
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+5 L
Hydraulic tank size	55 L
Bead capacity	115 L/170 kg. Pressurised (max 2.1 bars)
MATERIAL TANK	
Material Tank	290 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. See more detailed info.
COLOUR	
Colour	RAL 1007 (Other colours available on request)
DIMENSIONS	
Length	4150 mm
Width	1100 mm
Height	2465 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

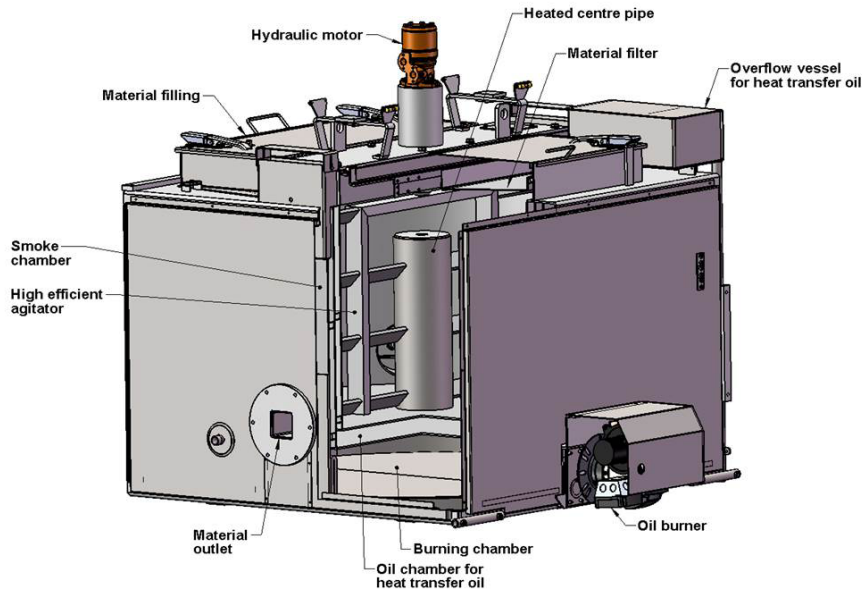
Marking speed up to 15 km/h depending on the work conditions, operator, etc.

## **BM SP 2500 SPRAY-PLASTIC GUN**

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



## THERMOPLASTIC PRESSURIZED TANK:

Pressurised 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 & homogenization of the thermoplastic. Stable construction with foundation and bearings at the top of the material tank.

## LINEMASTER FEATURES

The Borum LineMaster allows you efficient control of all 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, colours and combinations to have them ready for marking, and can instantly adjust them on the go.

## CRUISE CONTROL

For your convenience we recommend use of cruise control. Read more about the cruise control in the Borum Knowledge Lab on [www.borum.as](http://www.borum.as).

## QUICK CLEANING

Pneumatically controlled quick cleaning system for removal of solids left in the extrusion slot. 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.

## RAW MATERIALS

We recommend using a high quality application material. Please contact your material supplier for further advice on choosing the right material.

## 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**



**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**



**GPS system**



**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**