

The Borum® Master 5000 provides you with a variety of high capacity road marking machines. The material tank capacity is 450 L, 630 L or 780 L for thermoplastic pressurised tanks, 445 L or 585 L or 710 L for thermoplastic non-pressurised tanks, and 2x440 L for cold paint.

The possibility for the larger material capacity naturally gives fewer stops during the day for refilling.

Borum® Master 5000 is an excellent choice for road marking jobs with big material tanks in hilly areas. The double speed wheel motors allow a max driving angle of 30%.

Data for Borum® Master 5000, basic machine:

Engine
Water-cooled, 4-cylinder Kubota Turbo Diesel engine 3800 cm³. 74kW (99,2 HP) @ 2600 RPM.

Compressor

Screw compressor, capacity from 1800 to 3600 L/min. @ 10 bars. Automatic air-flow controlling system. Integrated oil-cooling system. Air-cooler incl. water separator.

Chassis

Stable double profile frame construction. Engine, compressor and hydraulic pump in one unit mounted on vibration dampers.

Power steering

Dual torque steering with improved control for directional stability. Direct steering during marking and full servo assistance when manoeuvring the machine. Turning radius 4.90 m.

Pointer

Stabilised against vibrations and adjustable in all directions. Easy handling, telescopic system. Fixed to frame or turning with wheels.

Transmission

Hydrostatic, transmission consisting of piston pump with variable output, controlled from the operators seat. Connected to high-torque hydraulic piston motors with integrated full-torque electrohydraulic disc brakes. Electrically operated low speed shift giving either 0-24 km/h or 0-12 km/h. Manual pump for release when no engine power. Max driving angle with total weight of 7210 kg: 30% (16°) at low speed.

Hydraulic system

Triple pump for 3 hydraulic circuits. Pumps are driven by the power take-off of the diesel engine.

Hydraulic tank

93 Litres tank with level and temperature indicator. Hydraulic oil cooler mounted in connection.

Fuel tank

180 Litres.

Pressurized bead tanks

Bead capacity 330 L. Tank divided in two separate tanks. Individual or single outlet. Pressure max 3 bar. Prepared for vacuum filling.

Operator section

Suspended two seat driver section – quick and easy slideable from left to right without the use of any tools. Steering wheel and computer panel mounted on 3D adjustable rod, which ensures perfect ergonomic positioning for the operator. For machines with spray equipment the atomizing air and tank pressure can be adjusted from the operators seat.

Gauges

Air pressure
Water temperature
Fuel level
Manometer for air pressure in glass bead tanks
Working hour counter

Electrical system

12 V/85 Amp alternator. Warning lights, rear lights, front lights, battery and relays.

Borum® LineMaster computer:

Control unit for line marking

The Borum LineMaster allows you efficient control of all road marking tasks, from line application and pre-marking to reporting and invoicing. Speed proportional control of road marking sequence when using pump solution, including material feed, material pattern and thickness.

- An 8" display which is visible in sunshine as well as in the dark
- Easy adjustment of all important parameters during marking
- Transfer of the daily marking report to an office computer via a USB stick
- Optional GPS module, allowing recording of the line marking positions
- Storage of up to 99 different line types— arranged in up to 30 marking programs
- A choice of language as per request

- Incl. foot switch

Engine bonnet

Easy access for service in left and right side.

Paint

Standard: RAL 1007. Other colours available on request.

Main dimensions + weight

L : 5350 mm.
W : 1300 mm + equipment.
H : 2250 mm
incl. rotating warning light.
Weight: 2600 kg up to 3800 kg.

Application Methods:

Borum® Master 5000 is developed to work with one of the following application methods. Equipment to be mounted on the machine according to your specific need

Click on your choice below to see the data:

[Thermoplastic Extruder \(T\)](#)

[Thermoplastic Extruder with Dot'n Line \(DL\)](#)

[Thermoplastic Extrusion with Dot'n Line & Spray \(SP DL\)](#)

[Thermoplastic Spray with Pump \(SP/P\)](#)

[Thermoplastic Spray with Pressure Tank \(SP\)](#)

[Thermoplastic Spray with Pressure tank and Extruder \(SP/T\)](#)

[Thermoplastic Spray with Pump and Extruder \(SP/P/T\)](#)

[Thermoplastic Extruder and Pressurized Cold Paint \(T/C\)](#)

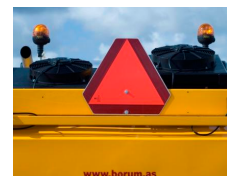
[Pressurized Cold Paint – 1 tank or alternatively 2 tanks \(C\)](#)

[Cold Paint – Airless \(CA\)](#)

[Thermoplastic Screed box \(RL\)](#)

[2-component cold plastic \(CP\)](#)

[2-component cold plastic, Airless \(CP A\)](#)



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Options:

Bead gun system

Please see data sheet on guns [Guns](#) and bead guns

Cruise Control System

The stable marking velocity ensures a uniform quality of the road marking – layer thickness and constant pattern. Possibility for two preset memory settings.

By a push on a button the speed is adjustable:

- 1) ± 0.1 km/h (up and down) in the interval 0-3 km/h
- 2) ± 0.3 km/h (up and down) in the interval 3-6 km/h
- 3) ± 0.5 km/h (up and down) from 6 km/h and up

Hydraulic lifting of pointer

Lifting and lowering of pointer is controlled from operator's seat.

Premark system

Electronically controlled premark system with telescopic foundation and ground distance wheel.

Cone Rack

For traffic management equipment. With or without seat.

Ejector filling of bead tank

Heater for cold paint

Rack for mounting of flashing arrow

Sun roof

Hydraulic broom or air knife

For sweeping the road prior to marking; mounted just before the marking unit.

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- it's straightforward