



*PHOTOS MAY SHOW OPTIONAL EQUIPMENT*

## TRAILER WITH THERMOPLASTIC PREHEATER FOR HAND WORK

Ideal for smaller, manual road marking jobs, the Borum trailer with thermoplastic preheater prepares and fills the hot thermoplastic directly into a hand screed box. Alternatively it can be used for filling a selfpropelled machine, if fitted with a filling system.

The BM TR 3500 trailer can be supplied with preheaters of sizes 250L, 300L, 400L, 500L or 600L. The trailer has a strong welded profile frame, 2 steel torsion spring axles and EU brake system.

REVISION-001

# FLEXIBLE SOLUTION FOR SMALL MANUAL ROAD MARKING JOBS

The small size of the trailer allows you to quickly move between different job sites and work efficiently.

## DIMENSIONS

Length: 3900 mm; width: 1850 mm; height depends on size of the chosen preheater.



*E.g. pedestrian crossing marking*



*E.g. parking lot marking*

# CHOICE OF PREHEATER

BORUM thermoplastic preheater for trouble-free heating of block, granulate or liquid thermoplastic material.

An efficient hydraulic power unit, PS-9, drives the Hydraulic motor for the agitator and supplies the diesel oil burner for the heating.

Uniform heating and mixing of the thermoplastic material is ensured by efficient vertical double mixer arms, and start/stop/reverse valve for the agitator drive.

Heated by diesel oil burner, 12 V DC. Alternatively: propane burner with electric ignition and safety system. Active flame control.

You can choose type of preheater as well as capacities as mentioned below.

## INDIRECTLY HEATED PREHEATER BM ID-250, ID-400 OR ID-600

Capacity of 250L, 400L or 600L.

Material tank surrounded by heat transfer oil, to distribute heat. Oil-heated centre pipe in material tank. Oil-heated material outlet. The preheater is equipped with 2 thermostats for thermoplastic material and for heat transfer oil temperatures from +50 to +270° C.

## DIRECTLY HEATED PREHEATER BM D-300 OR BM D-500

Capacity of 300 L or 500 L.

The preheater is equipped with 1 thermostat for thermoplastic material temperatures from +50 to +270° C.



*Direct preheater with 1 thermostat*



## POWER STATION

The power station drives the hydraulic system of the preheater and delivers power to the oil burner.

### **BM PS-9 Hydraulic power unit specifications:**

7.0 kW (9 HP) at 3600 rpm.  
Aircooled 1-cylinder diesel engine.  
83 L diesel oil tank with level control and diesel oil filter.  
4,5 cm<sup>3</sup>/rev. hydraulic pump with safety valve.  
66 L hydraulic oil tank with filter.  
Alternator 12 V DC/65 Amp. Engine foundation with vibration absorbers.



## OPTIONS

### **HAND SCREED BOXES**

The Borum manual screed boxes can be used for handling manual extrusion jobs with thermoplastic material. (E.g. parking lots, repair and maintenance, STOP lines, ZEBRA crossings, etc.). Besides being straightforward to use, the Borum manual screed boxes also ensure that no time is wasted on loading and unloading.

BORUM manual screed boxes are supplied in the following widths: 5cm, 10cm, 12cm, 15cm, 20cm, 25cm, 30cm, 40cm, 50 cm and 60cm, as well as 10+10cm for double line.



## SCREED BOX HOLDER

For up to 5 units of hand screed boxes.  
Integrated holder for sheet stencils.

## AUTOMATIC ROLL-UP OF HOSE

For gas-hose  
when working with  
handheld  
gasheater.



## PROPANE BOTTLE HOLDER

For 2 units of 17 kg or 33 kg propane  
bottles.

## HEAT CABINET FOR SCREED BOXES (only for ID preheater)

Keeps the screed box warm during trans-  
portation.

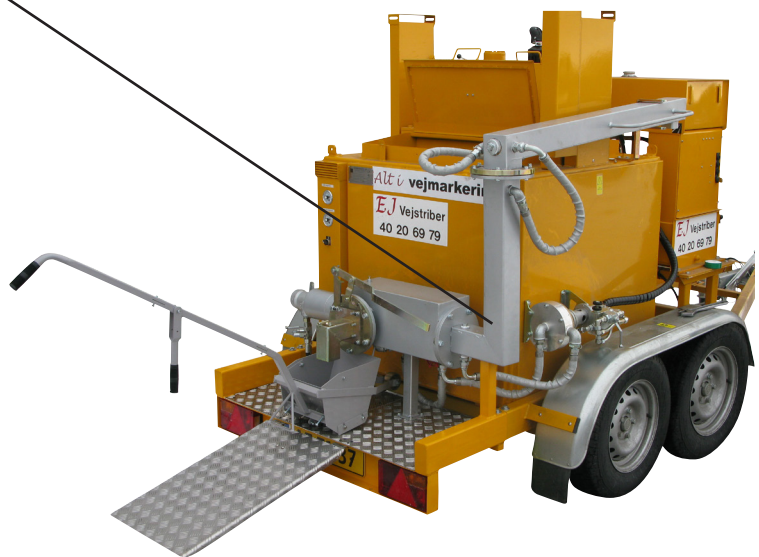


## AUGER PUMP AS FILLING SYSTEM

A filling system for transporting the melted  
thermoplastic from the preheater on the  
trailer to a material tank on a marking ma-  
chine can be supplied as extra equipment for  
ID-preheaters.

The auger pump is driven by a hydraulic  
motor. The pump and pivoted material pipe  
is heated by heat transmission oil, which is  
circulated by a hydraulically driven heat oil  
pump.

For use of this filling system, a PS-15 is  
required. The filling capacity is 45 litres/min,  
when operated by a PS-15, provided with ex-  
tra large hydraulic pump. More about PS-15  
on borum.as.



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