

# 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 by means of a filling system - or you can use it for feeding of a selfpropelled machine.*

## BM Trailer

The BM TR 3500 trailer can be supplied with preheaters of sizes 250L, 300L, 400L, 500L or 600L as mentioned below.  
Strong welded profile frame.  
2 steel torsion spring axles.  
With EU brake system.

## Preheater:

BORUM thermoplastic preheater for trouble-free heating of block, granulate or liquid thermoplastic material. Efficient vertical double mixer arms, which ensure uniform heating of the material. 50 mm heat isolation. Hydraulic forward / reverse transmission. Preheater driven by efficient hydraulic power unit. Propane gas or diesel oil burner system can be supplied for heating.

## BM ID-250, ID-400 or ID-600 Indirectly heated preheater.

Capacity of 250L, 400L or 600L. Hydraulic motor with agitator bearing. Start/stop/reverse valve for agitator drive. Vertical agitator with double arms and paddles. Material container surrounded by heat transfer oil, to distribute heat. Oil-heated centre pipe in material tank. Oil-heated material outlet. The preheater is equipped with a thermostat for thermoplastic material and for heat transfer oil temperatures from +50 to +270° C. Includes an integrated display showing actual temperatures.

## BM D-300 or BM D-500 Directly heated preheater.

Capacity of 300 l or 500 l. Hydraulic motor with agitator bearing. Start/stop/reverse valve for agitator drive. Agitator with double arms and paddles. The preheater is equipped with a thermostat for thermoplastic material temperatures from +50 to +270° C. Includes an integrated display showing actual temperatures.

## Hydraulic Power Unit:

**BM PS-9 Hydraulic power unit**  
7.0 kW (9 HP) at 3600 rpm. Air-cooled 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.

## Diesel oil burner

Diesel oil burner for 12 V DC power supply,

## Propane burner

Propane burner with electric ignition and safety system. Active flame control.

## Dimensions

L: 3900 mm  
B: 1850 mm  
H: 2000 mm

## Options:

### Hand screed boxes

Thermoplastic screed boxes used for roadmarking and repair work. BORUM manual screed boxes are supplied in the following widths: 5cm, 10cm, 10+10cm, 12cm, 15cm, 20cm, 25cm, 30cm, 40cm, and 50cm  
See separate catalogue [manual screed box](#)

### Screed box holder

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

### Propane bottle holder

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

### Heat cabinet for screed boxes

keeps the screed box warm during transportation.

### Automatic roll-up of hose

for gas-hose when working with hand-held gasheater.

### 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 machine can be supplied as extra equipment. An auger pump can be mounted on a single ID-preheater. The 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 pump. The capacity is 45 litres/min, when operated by a PS 15, provided with extra large hydraulic pump.

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