

# Technical Data Sheet Drum Melter 200

version DM200-2021.1 - March 2021

## Melt-on-demand premelting system for (PUR) Hot Melt

The Maan Drum Melter 200 is a high-quality premelting system for (PUR) Hot Melt. It is ideally suited to the processing of PUR Hot Melt thanks to the melt-on-demand principle. The heated melting plate melts and pumps only the top layer of the hot melt. The remaining glue in the barrel remains stable and cannot degrade in quality. The Drum Melter 200 is equipped as standard with a 40 cc gear pump with a melting capacity of up to 180 kg/hour. The Maan Drum Melter 200 is equipped as standard with two connections for hot-melt hoses and a lower plate that allow a pallet truck or fork-lift truck to easily load the drums into the Drum Melter.

### Automatic vent and aeration valve

The melting plate is equipped as standard with one automatic vent and aeration valve. This valve ensures that the glue drum is vented as the melting plate lowers. When the drum is empty, the valve ensures that air is injected under the melting plate to push the melting plate up again. The empty glue drum can then be replaced. The valve is located directly downline of the gear pump, so the risk of air in the glue is minimised.

### OPTIONS

An extensive selection of options is available on all our machines.

For more information, contact us so that we can configure the machine to your requirements.

### Pressure sensor

The Maan Engineering Drum Melters are equipped with a glue pressure sensor. The combination of this sensor, the control system and the gear pump ensures that the glue pressure is displayed in real-time during the process and is easy to set. The clever integration of these three components ensures a controlled production process. The pump switches itself off automatically at underpressure and overpressure. As a result, a traditional by-pass is not necessary and ageing of the glue or clogging of the system is prevented.

### Melting plates

The melting plates of the Maan Drum Melter are supplied as standard with a non-stick coating. The melting plates are modular and can be quickly changed. They can be designed and supplied in three versions, depending on the required melting capacity. The Drum Melter is supplied as standard with an axial melting plate. A flat melting plate (low melting capacity) or a finned melting plate (high melting capacity) are also available as options. >



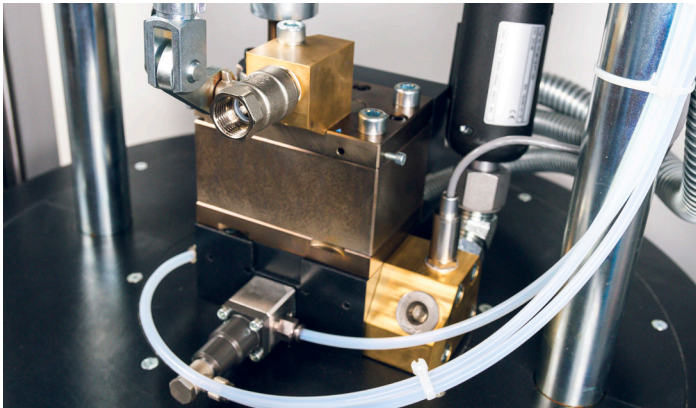
Drum Melter 200

# SPECIFICATIONS

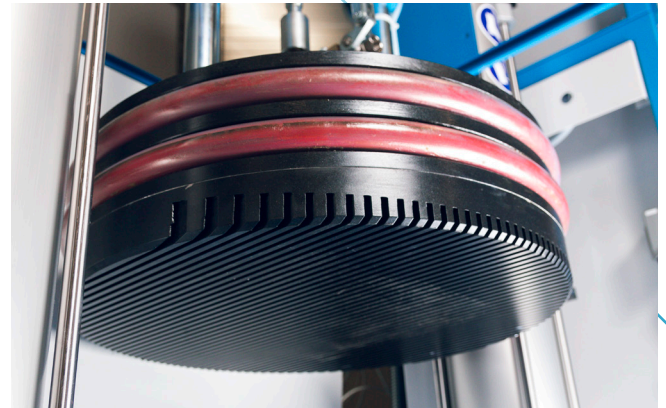
Technical overview	DM200
System (type)	Gear pump with variable adjustable AC motor
Melting plate diameter (mm)	556
Maximum melting capacity* (kg/h)	80-220
Maximum pumping capacity (kg/h)	36-240
Standard pump type (cc/rev)	40
Temperature range (°C)	30-220
Temperature sensor (type)	PT100
Power supply	3/N/PE 400V, 50/60 Hz, 38A
Dimensions (l x w x h) (mm)	1400x750x3000
Exhaust capacity (m <sup>3</sup> /hr)	800
Weight (kg)	700

\* Depending on the type of melting plate and glue

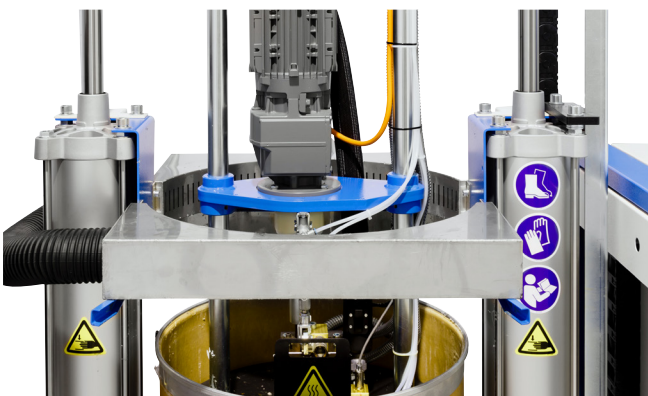
\*\* Depending on the type of pump and glue



Pressure sensor and automatic aeration and ventilation valve



Finned melting plate



Extraction system



Operation of the Drum Melter



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