

Product information

# TM 2200

**Hotmelt moulding platform:**  
brand-new entry level model



## Product description

The moulding station TM 2200 is our new, low-cost entry-level machine for hotmelt moulding. The standard version comes as a modular system with tank unit TM 1004 and moulding head TM 1010.

The tool holder offers sufficient size for common standard mould sizes with horizontal injection. TM 2200 with its vertically moving cylinder can be adjusted to many different tool heights. The standard height adjustment for moulding head TM 1010 permits the use of different separation levels.

The manual sliding table with the lower tool half comes out toward the operator, making it easy for the operator

to insert the parts. Once the lower mould half has moved back in again, the machine is fully encapsulated once more, offering maximum safety.

The machine is designed for one single operator. The purely pneumatic cycle is started by the practical one-hand control. TM 2200 with its clamping force of up to 700 kg is the ideal solution for processing small and medium-sized series.

Thanks to the unique versatility of WERNER WIRTH's moulding platforms, TM 2200 can also be fed by a range of different material preparation systems, from tank unit to extruder.



### 1 Material preparation in the tank unit

Tank units for material preparation are the entry-level solution for hotmelt moulding. They process granulated materials. The tank units in the TM1000 series are all designed for fitting to all WERNER WIRTH moulding platforms. Depending on the specific system type, a range of features are available such as level sensor, weekly timer or temperature reduction.

### 2 Material preparation in the extruder

Extruding is the most convenient and reliable form of material preparation. The extruder is used for extremely gentle processing of a wide range of different granulated materials. The extruders in the TM1500 series can be integrated in all WERNER WIRTH moulding platforms and are designed for processing a wide range of materials. Touchpanel control, inverter-controlled drive and optionally integrated material drying together with melting rates coordinated to material demand are just some of the features. Our extruders make it possible use materials with higher viscosity and coloured moulding or injection moulding materials.

### 3 Material preparation in the bag melter

The TM1402 bag melter is necessary when processing our high-temperature resistant reactive polyamide materials in the PAR product group. The unit can be integrated in every moulding system. The material is melted by a controlled heating plate under the exclusion of air before being fed into the tool.

#### Technical details

Operating pressure	min 6 bar /max. 10 bar
Clamping force	700 kg
Travel	60 mm
Injection timer	adjustable 20 - 180 sec
Cooling timer	adjustable 20 - 180 sec
Light current	240V/10A
Mould separation level	60-120 mm
Mould height	120- 240 mm

### 4 Tool holders

The standard TM2200 moulding station is equipped with a pneumatic sliding table for the lower tool holder so that the sub-form is pushed out toward the operator for optimum handling when inserting and removing the parts being processed. With the vertical adjustment mechanism, the TM1010 can be set up for varying tool heights, thus expanding the scope for cavity size in the tool.

### 5 Valves

WERNER WIRTH moulding valves are designed for low-pressure moulding systems. The cavity is filled quickly by extra large nozzles, with material cracking reduced by the consistently undercut-free internal structure. The gate point has 1 or 2 moulding valves fitted horizontally in the tool separating level.

