

TM 8000

Highly Flexible Hotmelt Molding
Processing Platform

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Processing Platform for Complex Thermoplastic Overmouldings

The model designation TM 8000 represents a type of system that can be individually tailored to customer projects.

The tool holder is optimised for an ideal production process. It can be configured either as a sliding or rotary indexing table, or as an inline solution.

The tool sizes can be individually adjusted to the product and offer maximum flexibility in terms of width, height, and depth.

The tool dimensions provide ample space for relatively large cavities or allow for efficiency improvements through multiple cavities.

The cavities can be filled via either cold or hot runner systems.

The operation of a TM 8000 can be done either by an operator or fully automatically – from loading to unloading. The control options allow for complete monitoring of the processes before, during, and after casting.

TM 8000 | Details & Extras



Material Preparation by Tank Unit

The use of tank units for material preparation represents the entry solution into hotmelt processing technology. This technology processes materials in granular form. The tank units of the TM 1000 series are consistently designed for adaptation to all WERNER WIRTH processing platforms. Depending on the type of device used, various features such as level sensor, weekly timer, or temperature reduction are available.

Material Preparation by Extruder

Comfortable and process-reliable: Designed for processing a wide range of materials in granular form – even for higher viscosity and coloured casting or injection moulding materials.

The extruders of the TM 1500 series can be integrated into all our platforms and offer helpful features, such as a touch panel, inverter-controlled drive, and a melting capacity tailored to the material requirements, among others.



Highest Flexibility

The system configuration is based on the project's requirements, including complex tool holders as rotary or sliding tables. The systems can be designed as stand-alone or inline setups.

Central Control

Control and monitoring of processes such as material temperature, pressure, and cycle time are centralised. The software is capable of communicating with other systems to better control the process inline.

Continuous Control

Before the process starts, many parameters can be queried. Information such as system, tool, and material selection is captured, as well as the correct positioning of parts in the tool before the process.

Quality Control

After the process, the results are systematically recorded. Camera modules and weighing cells assess the parts qualitatively based on shape and weight. The results are documented and can be evaluated decentrally.

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