

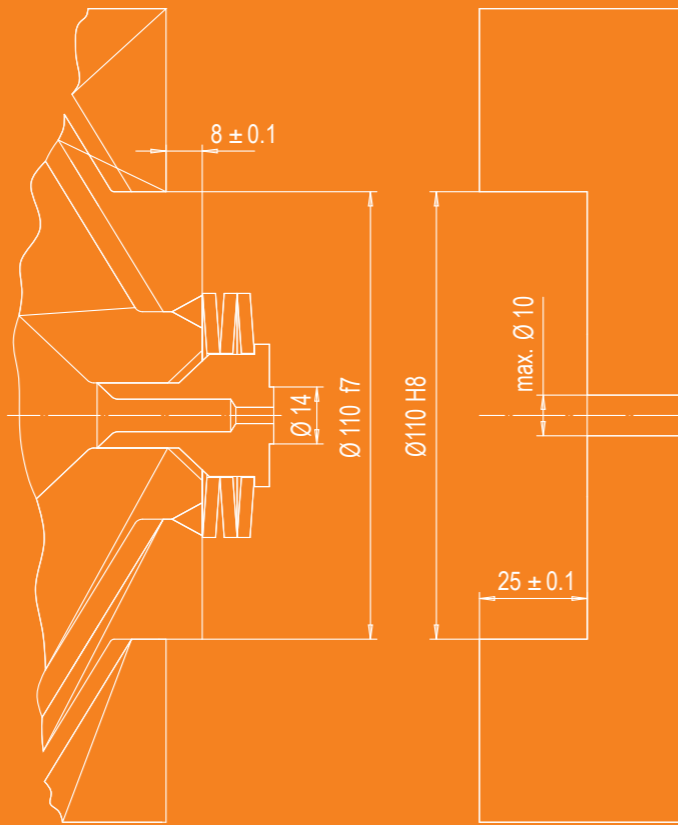
Technical data MAPLAN MTF vertical edition and editionS series

Standard equipment

- Microprocessor-control PC5000touch
- Energy saving Servo-hydraulic Cool Drive II system*
- Energy saving hydraulic pump with proportional pressure/flow control**
- Electronic linear positioning system for clamping, injection unit, ejectors injection and clamp side
- 2-circuit-cooling unit (thermo oil) for plasticizing cylinder and injection pot
- Strip intake control*
- Precise volume control of injection unit
- Optimized heating cartridges*
- Wear free heating control with solid state relays, heating plates insulated on outside edges
- Operator control unit adjustable angle and height
- System pressure sensor, clamp force sensor*, back pressure sensor*
- Large heating plates and clear width for more cavities and easy demoulding
- Large diameter clamping ram for flash less production
- Casing concept with integrated light curtain for highest safety and ergonomics

Options

- Hydraulic ejector injection and/or clamp side
- Central ejector (hydraulic or pneumatic)*
- Heating and cooling devices for plasticizing cylinder, injection pot, screw or cold runners
- Heating plates insulated for high temperature applications
- Vacuum pump
- Additional features for PC5000touch
- Alternative injection volumes
- Additional heating zones
- Magnetic clamping system
- Automatic strip intake device
- Heating plate run-out 70% and 100%
- Backpressure adjustment **
- 3-zone heating plates control
- Equipment for processing solid and liquid silicone and thermoplastic elastomer*
- EUROMAP interface
- Logical Movements



Mould and nozzle

*editionS type, **edition type
Other options on request; please refer to the PC5000touch folder for more control options

Machine type		MTF400/100 edition/editionS	MTF750/160 edition/editionS	MTF1500/250 edition/editionS	MTF1500/320 edition/editionS	MTF2500/400 edition/editionS	MTF2500/650 edition	MTF2500/800 edition
Clamp unit								
Opening stroke	mm	450	450	500	500	580	700	700
Daylight	mm	520	600	700	700	830	1110	1128
Clamping force	kN	1001	1590	2500	3175	4120	6546	7848
Min. mould height	mm	70	150	200	200	250	410	428
Heating plates, standard (w x d)	mm	440 x 470	450 x 510	500 x 630	660 x 760	710 x 800	1000 x 1100	1000 x 1100
Distance between tiebars	mm	470 x 470	545 x 175	600 x 220	760 x 310	810 x 350	1140 x 700	1120 x 700
Injection unit								
Injection volume standard	cm ³	400	750	1500	1500	2500	2500	2500
Injection volumes alternative ¹⁾	cm ³	700	1000	2000	2000	3200	4000	4000
Machine weight approx.	kg	4500	5000	9000	11200	14200	30000	30000
Floor space required	m ²	2,3	2,45	2,66	3,1	3,6	5,7	5,7

¹⁾ Further injection volumes on request

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rubber injection technology

**MAPLAN edition and editionS
VERTICAL MACHINE SERIES**
THE OPTIMUM OF PERFORMANCE AND
ENERGY EFFICIENCY FOR THE PRODUCTION
OF RUBBER MOULD AND SILICONE PARTS,
MINIMUM FOOTPRINT, MAPLAN FIFO
RUBBER INJECTION UNIT WITH SHORT NOZZLE





MTF edition and editionS vertical

Vertical machine for processing rubber and silicone.

A machine concept based on the latest technological innovation that sets new standards with regards to performance and economy. The latest mile stone in the development of a longstanding, successful machine series.

The MAPLAN FIFO rubber injection unit represents optimal reproductivity, efficiency and ergonomics for the production of technical moulded rubber parts.



Product range

Production of highly precise moulded parts made of rubber and silicone with a dosing volume of up to 8600 cm³.



Efficiency

Cool Drive II energy-saving servo-hydraulic drive system for energy-efficient and highly dynamic production in all editionS types.



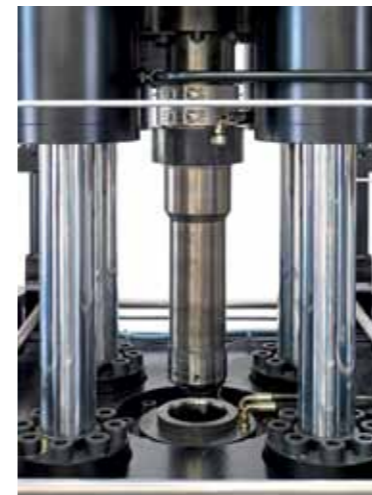
The one and only plane-parallel

Optimum mould clamping by eliminating deflection of the fixed plate injection side, maximum platen support by the massive clamp piston.



Control technology

The PC5000touch control with intuitive touch screen interface opens up new dimensions in optimization of the injection moulding process.



The MAPLAN FIFO Rubber injection unit

- High precision FIFO injection unit
- Short nozzle for max. injection pressure directly on the mould or cold runner
- Cooled nozzle - no nozzle retract necessary
- Easy material change and cleaning
- Available with dosing volume from 130 up to 8600 cm³
- Oil temperature control for plasticizing unit, injection pot and nozzle
- Constant L/D ratio