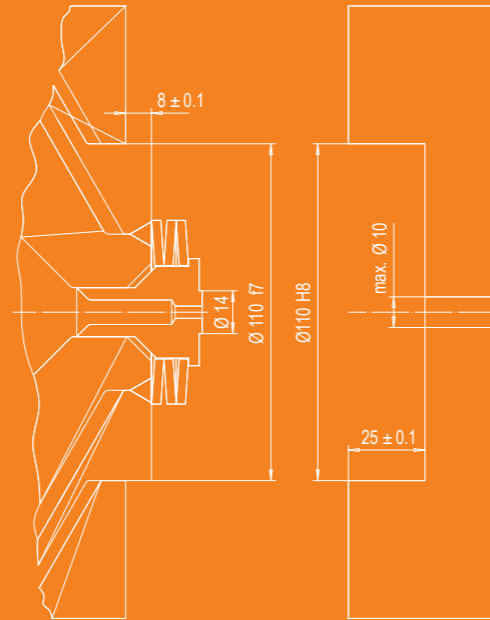


Standard equipment

- MAPLAN FIFO rubber injection unit with short, cooled nozzle for high precision and injection capacity, easy cleaning
- Large heating platen and daylight for more cavities and easy demoulding
- Control PC5000touch
- High resolution ultrasonic linear encoder system for best reproducibility
- Fast reaction, energy saving, hydraulic pump with proportional pressure / flow control
- 2-circuit-cooling unit (thermo oil) for plasticizing cylinder and injection pot
- Machine covers with integrated light shield for highest safety and ergonomics
- Maintenance-free, contactless safety switches
- Solid state relays for heating zones
- Oil filter, oil level- and oil temperature control
- Electric backpressure adjustment
- Oil cooling



Mould centering diagram

Options

- Hydraulic ejector injection and/or clamp side, linear positioning system
- Heating and cooling devices for plasticizing cylinder, injection pot, screw or cold runners
- Vacuum pump
- Additional features for PC5000touch
- Alternative injection volumes
- Additional heating zones
- Strip intake control
- Automatic strip intake device
- Hydraulic sliding plates
- Shuttle front- or rear side
- Double shuttle and fast double shuttle system
- Heating plates change
- 3-zone heating plates control
- Stockfeeders for silicone processing
- Euromap67 interface
- Logical Movements
- Energy saving MAPLAN Cool Drive - system

Other options on request

Machine type		MTF 1500/280eg	MTF 1500/460eg	MTF 1500/580eg	MTF 1500/650eg	MTF 4000/900eg
Clamp unit						
Opening stroke	mm	599	600	910	910	1000
Daylight	mm	799	850	1110	1110	1200
Clamping force	kN	2835	4524	5788	6527	9007
Min. mould height	mm	200	250	200	200	200
Max. mould height	mm	557	520	680	680	915
Heating plates, standard (w x d)	mm	560 x 650	710 x 800	810 x 1000	810 x 1000	1100 x 1350
Distance between tie bars	mm	650 x 410	810 x 520	950 x 690	950 x 690	1240 x 800
Injection unit						
Injection volume standard	cm ³	1500	1500	1500	1500	4000
Injection volumes alternative ¹⁾	cm ³	2000/2500/ 3200	2000/2500/ 3200	3200/4000	3200/4000	2500/3200
		2500/3200	4000/5300/ 6000/8000	5300 6000/8000	5300 6000/8000	5300 6000/8000 8600
		2500eg	4000eg/ 6000eg	4000eg/ 6000eg	4000eg/ 6000eg	8600eg
Machine weight approx.	kg	7500	13000	22000	22000	43000
Floor space required	m ²	3,9	6,1	6,3	6,3	8,0

¹⁾ Further injection volumes on request

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rubber injection technology

**MAPLAN ergonomic
VERTICAL MACHINE SERIES**

RUBBER INJECTION MOULDING MACHINES
WITH OPTIMAL ERGONOMIC WORKING
HEIGHT FOR FULL AUTOMATIC PRODUCTION
OF HIGH SOPHISTICATED TECHNICAL
RUBBER AND SILICONE PARTS



MTF ergonomic

MAPLAN ergonomic

Machines for production of high sophisticated technical rubber, silicone, rubber metal and 2-component parts. With the extensive product range of peripheral handling units the machines can be upgraded to become complex and fully automated production cells.



Product range
Production of moulded parts from rubber, silicone, rubber, metal and multi component up to 8600 cm³.



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 cylinder.



Ergonomic working height
no pedestals needed.



Full automation
Movement of mould plates to front and rear including demoulding devices, brushing devices and robots for loading and unloading.

The MAPLAN FIFO Rubber injection unit

- FIFO injection unit concept
- Short nozzle for max. injection pressure directly on the mould
- Cooled nozzle - no nozzle retract necessary and therefore no leaks
- Ergonomic strip intake height
- Easy material change and cleaning via moveable check valve
- Adjustable back pressure function
- Oil temperature control for plasticizing unit, injection pot and nozzle
- Constant L/D ratio

