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
- Electronic linear positioning system for clamping, 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
- back pressure sensor*

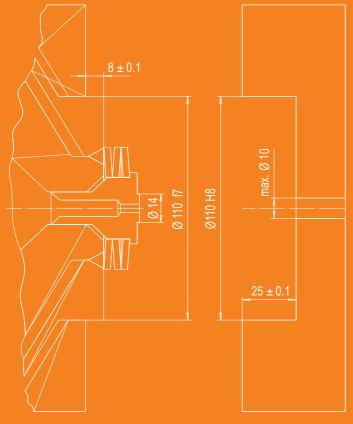
- safety and ergonomics

Options

- Central ejector (hydraulic or pneumatic)*
 Heating and cooling devices for plasticizing cylinder,
- Heating plates insulated for high temperature applications

- Alternative injection volumes
- Additional heating zones
- Magnetic clamping system
- Heating plate run-out 70% and 100%

- Equipment for processing solid and liquid silicone and thermoplastic elastomer*
 EUROMAP interface
- Logical Movements



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)	cm³	700	1000	2000	2000	3200	4000	4000
Machine weight approx.	kg	4500	5000	9000	11200	14200	30000	30000
Floor space required	m²	2.3	2.45	2.66	3.1	3.6	5.7	5.7









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 reproductivety, 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 dosage
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