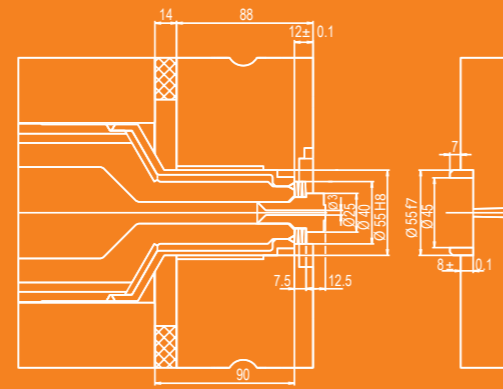


Standard equipment

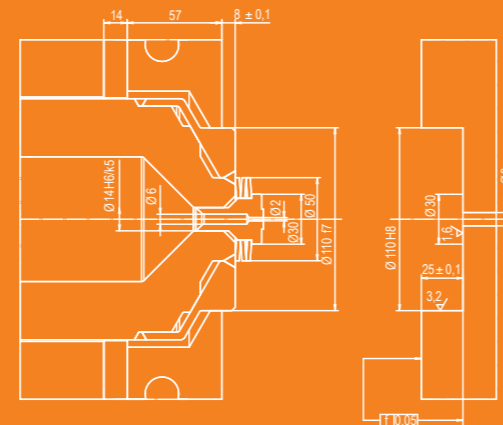
- Microprocessor-control PC5000touch
- Energy saving Servo-hydraulic Cool Drive II system\*
- Energy saving hydraulic pump with proportional pressure/flow control\*\*
- Electronic linear positioning system for clamping, injection unit, ejectors injection and clamp side.
- 2-circuit-cooling unit (thermo oil) for plasticizing cylinder and injection pot
- Strip intake control\*
- Reduced mould centring diameter (200-930cm<sup>3</sup>)
- Precise volume control of injection unit
- Optimized heating cartridges\*
- Wear free heating control with solid state relays, heating plates insulated on outside edges
- Large diameter clamping ram for flash less production
- Electric backpressure adjustment\*
- Swivelling control panel
- System pressure sensor, clamp force sensor\*, back pressure sensor\*
- Pneumatic safety door on the front (up to 400 to)

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
- Pneumatic safety gate front side
- Alternative injection volumes
- Additional heating zones
- Magnetic clamping system
- Brush and knockout devices up to 3 vertical modules
- Automatic strip intake device
- Support arm system for operating unit
- FIFO Dual injection unit with retractable injection unit up to 1600 cm<sup>3</sup> dosing volume
- Backpressure adjustment \*\*
- 3-zone heating plates control
- Equipment for processing solid and liquid silicone\*



Scheme of mould centring  
200 – 930 cm<sup>3</sup> injection unit



Scheme of mould centring  
750 – 8600 cm<sup>3</sup> injection unit

Other options on request; please refer to the PC5000touch folder for more control options

\*editionS type, \*\*edition type

Machine type		MHF400/100	MHF400/200	MHF400/300	MHF2500/400	MHF2500/650	MHF2500/800
		edition/editionS	edition/editionS	edition/editionS	edition/editionS	edition	edition
Clamping unit				regular   XL			
Opening stroke	mm	400	600	500   810	580	700	700
Daylight	mm	439	640	638   850	715	984	1084
Clamping force	kN	994	1979	3005	4210	6546	7848
Min. mould height	mm	39	40	138   40	135	284	384
Heating plates, standard (h x d)	mm	440 x 470	510 x 510	595 x 630	710 x 800	1000 x 1100	1000 x 1100
Distance between tie bars	mm	470 x 470	526 x 526	600 x 600	600 x 810	700 x 1140	640 x 1140
Injection unit							
Injection volume standard	cm <sup>3</sup>	400	400	400	2500	2500	2500
Injection volumes alternative <sup>1)</sup>	cm <sup>3</sup>	130, 200, 530	130, 200, 530, 700, 930	200, 530, 700, 930, 1500, 2000	700, 1500, 2000, 4000	4000, 6000, 8000, 8600	4000, 6000, 8000, 8600
Machine weight approx.	kg	3200	6000	9700   10200	16000	27000	28000
Floor space required	m <sup>2</sup>	3,6	3,96	5,0   5,5	9,8	12,9	13,1

<sup>1)</sup> Further injection units on request



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rubber injection technology

**MAPLAN edition and editionS  
HORIZONTAL MACHINE SERIES**  
RUBBER INJECTION MOULDING MACHINES FOR  
THE PRODUCTION OF O-RINGS AND SEALING-  
ELEMENTS IN FULLY AUTOMATIC PRODUCTION,  
HIGHEST ACCURACY AND EFFICIENCY, LOW  
MAINTENANCE



## MHF edition and editionS horizontal

### Horizontal machines for fully automatic production of sealing elements and moulded articles.

A machine concept based on the latest technology standards, sets new standards in terms of performance and economy. The generously dimensioned rigid clamping unit enables flash free production of sealing elements and moulded articles.



#### Product range

Fully automatic production of O-rings, sealing elements and moulded articles made of elastomers with dosing volume from 130 cm<sup>3</sup> up to 8600 cm<sup>3</sup>.



#### Efficiency

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



#### Taylor-made

Efficient brushing and ejection systems for economic and fully automatic demoulding of the parts.



#### 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
- On request available also with nozzle retract
- Easy material change and cleaning
- Available with dosing volume from 130 up to 8600 cm<sup>3</sup>
- Oil temperature control for plasticizing unit, injection pot and nozzle
- Constant L/D ratio