



compatible with commercially-available **IO tools**

The Tubimatic-IO is designed as a production tube end former with inner and outer tools

The concept is distinguished by its rapid conversion capability, clarity, excellent process adaptability and high performance

Technical data

Forming unit

- Tube diameter 20 – 70 mm *
- Maximum Form length 80 mm *
- Tube wall thickness max. 4 mm *
- Inner axial stroke \varnothing 100 x 110 mm – 24 t
- Outer axial stroke \varnothing 100 x 100 mm – 24 t
- Expanding/Impanding stroke in \varnothing 7 mm *
- Mean cycle duration: ~3 s

Hydraulic equipment

- Tank capacity 63 L
- Delivery capacity 16 L/min
- Pressure 300 bar
- Motor 5.5 kW – connection 400 V / 16 A
- Valves 24 V Bosch Rexroth

Machine structure

- Universal housing HW-Flex
- Electrical unit with adequate reserve
- Hydraulic unit with screwed housing
- IO tool holder for commercially-available IO tools
- IO forming unit
- Forward and return stroke configuration via touchscreen
- Touchscreen integrated in machine housing
- Safety sliding door
- Dimension L = 1200; W = 800; H = 1500 mm
- Emission sound pressure level: 75 dB (A)
- Colour of housing – Ral 5010 gentian blue
- Colour of electrical unit – Ral 7035 light grey
- Colour of IO tool holder – burnished black
- Weight approx. 500 kg

Electrical equipment

- PLC Möller XC100 24V
- 3.5" touchscreen
- Pulse control (minimising of segment gap marks)
- „ON/OFF” main switch
- „Control ON/OFF” selector switch
- Tool cover safety switch
- Emergency STOP
- „Acknowledge emergency STOP” illuminated switch
- „Process end” indicator lamp
- Foot pedal

Options

- Choice of colour
- Siemens electrical equipment
- Emergency Stop via safety relay
- Connection without neutral conductor
- Special voltage
- Connection for robot handling via RS232
- Profibus interface
- Oil cooler
- Oil sump
- Central lubricating sys. for sliding surfaces (Pico)
- Central lubricating sys. for sliding surfaces (Vogel)
- Lubricant level monitoring
- Oil level and oil temperature monitoring
- Filter dirt monitoring
- Inner and outer axial stroke 12 t (up to -50% cycle duration)
- Inner and outer axial stroke 34 t (up to +100% cycle duration)
- Output boost 7.5 kW – 20 L/min
- Output boost 11 kW – 25 L/min
- Range extension to 12" (Tube- \varnothing max. 170mm)



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