



compatible with commercially-available **C tools**

The Tubimatic-U series is designed as a universal production expander and impander

The concept is distinguished by its speed, process adaptability and high performance

## Technical data

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### Forming unit

- Tube diameter expanding 20 – 70 mm \*
- Tube diameter impanding 10 – 70 mm \*
- Form length max. 90 mm \*
- Tube wall thickness max. 8 mm \*
- Axial stroke  $\varnothing$  100 x 150 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
- 1x C tool holder for commercially-available C / C-IO tools
- Expanding and impanding unit (1x)
- Forward and return stroke configuration via touchscreen
- Dimension L = 920; W = 1210; H = 830 mm
- Emissionsound pressure level: 75 dB (A)
- Colour of housing, tool holder – Ral 5010 gentian blue
- Colour of control unit – Ral 7035 light grey
- Colour of forming unit – burnished black
- Weight approx. 400 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
- 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
- Single piece counter
- Oil cooler
- Oil sump
- Oil level and oil temperature monitoring
- Filter dirt monitoring
- Axial stroke 150 mm – 12 t (up to -50% cycle duration)
- Axial stroke 150 mm – 34 t (up to +50% cycle duration)
- Output boost 7.5 kW – 20 L/min
- Output boost 11 kW – 25 L/min
- Punching unit
- Range extension to 12" (Tube- $\varnothing$  max. 170mm)



# TUBIMATIC-U UNO

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