



Compatible with commercially-available **C tools**

**Tube end expanding, impanding (reduction)**  
**Tube end calibration after bending or welding operation**  
**Compact design makes it ideal as an auxiliary machine**

## 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. 4 mm \*
- Axial stroke  $\varnothing 100 \times 100 \text{ mm} - 19 \text{ t}$
- Expanding/Impanding stroke in  $\varnothing 7 \text{ mm}$  \*
- Mean cycle duration: ~4 s

### Hydraulic equipment

- Tank capacity 50 L
- Delivery capacity 13 L/min
- Pressure 240 bar
- Motor 4 kW Connection 400 V / 16 A
- Valves 24 V Bosch Rexroth

### Electrical equipment

- PLC Möller PS4 24V
- Tool cover safety switch
- Pulse control (minimising of segment gap marks)
- Motor circuit breaker and emergency STOP
- Potentiometer (regulation of no. of pulse forming steps)
- „Pulse ON/OFF” selector switch
- „Process end” indicator lamp
- Foot pedal

### Machine structure

- Compact housing and integrated electrics and hydraulics
- 1x C tool holder for commercially-available C / C-IO tools
- Compact expanding and impanding unit (1x)
- Forward and return stroke setting configured via hand wheel and scale
- Dimension L = 500; W = 600; H = 1150 mm
- Emissionsound pressure level: 72 dB (A)
- Colour of housing – Ral 5010 gentian blue
- Colour of expanding/impanding unit – burnished black
- Weight approx. 500 kg

### Options

- Choice of colour
- Siemens electrical equipment
- Emergency Stop via safety relay
- Connection without neutral conductor
- Single piece counter
- Axial stroke  $\varnothing 70 \times 100 \text{ mm} - 9 \text{ t}$  (up to -50% cycle duration)
- Punching unit



# TUBIMATIC-UNO

EASY

