

# TUBOTRON 50

CNC / PLC tube bending machine (for tubes up to Ø 50 mm)



## Features / Equipment

- Exposed bending head for maximum bending speed
- Programmable sequence control with user guidance via SIMATIC Operator Panel or SIMATIC PC
- Hydraulic tube clamping with programmable clamping pressure
- Hydraulic pressure die positioning, following pressure die
- Hydraulic long-neck collet chuck allows for positioning in the pressure die area with tube resumption
- Hydraulic and anticipated mandrel retraction
- Automatic pneumatic minimal-metered mandrel lubrication device
- Interface for remote maintenance of the machine control
- Foot switch for hydraulic collet chuck

## Options

- Hydraulic tube clamping with programmable clamping pressure and distance control
- Pressure die assist with programmable hydraulic pressure

| Technical data                            | PLC version          | CNC version<br>(servo technology) |
|---|----------------------|-----------------------------------|
| Maximum tube diameter (OD)                | 50 mm                | 50 mm                             |
| Maximum bending radius (CLR) <sup>1</sup> | 200 mm               | 200 mm                            |
| Bending speed (max.)                      | 43 °/s               | 43 °/s                            |
| Tube feed rate (max.)                     | 350 mm/s             | 750 mm/s                          |
| Tube rotation (max.)                      | 105 °/s              | 120 °/s                           |
| Positioning accuracy of all axes          | ± 0.1 mm, ± 0.1 °    | ± 0.05 mm, ± 0.05 °               |
| Dimensions (LxWxH) <sup>2</sup>           | 5100 x 900 x 1200 mm | 5100 x 900 x 1200 mm              |
| Weight, approx. <sup>2</sup>              | 2000 kg              | 2000 kg                           |
| Power requirement                         | 7.5 kW               | 15 kW                             |

<sup>1</sup> depends on tube diameter (OD)

<sup>2</sup> at min. tube length over mandrel

Subject to technical alteration • 2010-11



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PIPE FABRICATION

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