

Figure: TUBOTRON 30 MR with pipe magazine, automatic separation and feeding.

CNC pipe bending machine

TUBOTRON 30 MR

TUBOTRON 30 MR

Features / Equipment

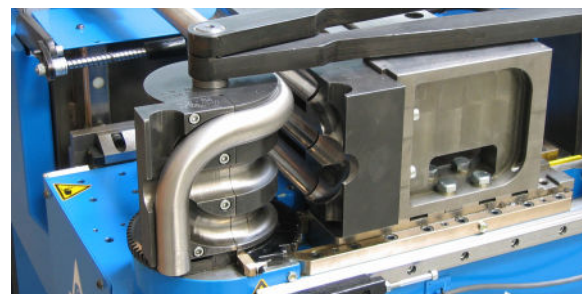
- programmable sequence control with menu-driven user guidance via SIMATIC Touch PC on mobile control board
- exposed and compact bending head with servo-electric horizontal and vertical axes allows for multi-radii bending (stack tooling)
- hydraulic bending drive
- hydraulic pipe clamping (power programmable)
- hydraulic pressure die positioning
- hydraulic long-neck collet chuck allows for positioning of the pipe in the pressure die area, with pipe re-gripping functionality
- hydraulic and anticipated mandrel retraction
- automatic minimum quantity mandrel lubrication
- pipe and mandrel support
- interface for remote maintenance
- oil cooler

Options

- follower-type pressure die
- anti-buckling system for the mandrel rod
- centralized lubrication system

Models

- pipe length (over mandrel): 3000 mm / 4500 mm / 6000 mm



Fully automatic and highly precise bending of pipes up to \varnothing 30 mm.



Application example:
Stainless steel pipe \varnothing 30.0 x 1.5 mm

Technical data

| | |
|---|------------------------------|
| bending capability (mild steel) | \varnothing 30.0 x 4.0 mm |
| max. bending radius ¹⁾ | 200 mm |
| bending speed (max.) | 140 °/s |
| pipe feed (max.) | 1670 mm/s |
| pipe rotation (max.) | 360 °/s |
| positioning accuracy | \pm 0.05 mm / \pm 0.05 ° |
| dimensions, approx. (LxWxH) ²⁾ | 4700 x 900 x 1200 mm |
| weight, approx. ²⁾ | 1950 kg |
| connected load | 20.0 kW |

¹⁾ depends on the pipe diameter

²⁾ at min. pipe length

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