



CNC pipe bending machine

TUBOTRON 20 RL

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Features / Equipment

- programmable sequence control with teach functionality and 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) and right-and-left hand bending operations (top/bottom tooling)
- servo-electric bending drive
- hydraulic pipe clamping (power and distance programmable)
- hydraulic pressure die positioning (distance programmable)
- 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

Models

- pipe length (over mandrel): 1500 mm / 3000 mm / 4500 mm / 6000 mm



Fully automatic and highly precise bending of pipes up to \varnothing 20 mm.



Application example: actuating lever from mild steel \varnothing 13.0 x 1.5 mm

Technical data

bending capability (mild steel)	\varnothing 20.0 x 1.5 mm
max. bending radius ¹⁾	100 mm
bending speed (max.)	450 °/s
pipe feed (max.)	2000 mm/s
pipe rotation (max.)	880 °/s
positioning accuracy	\pm 0.05 mm / \pm 0.05 °
dimensions, approx. (LxWxH) ²⁾	2800 x 850 x 1200 mm
weight, approx. ²⁾	1200 kg
connected load	15.0 kW

¹⁾ depends on the pipe diameter

²⁾ at min. pipe length