CNC pipe bending machine

TUBOTRON 140

Basic equipment and features

- Programmable sequence control with menu-driven user guidance via SIMATIC Touch PC on mobile control board
- Hydraulic bending drive
- Hydraulic pipe clamping (power and distance programmable)
- Hydraulic pressure die positioning (power and distance programmable)
- Follower-type pressure die (linear guiding)
- Pressure die assist (power programmable)
- Servo-electric pipe feed and rotation
- Hydraulic long-neck collet chuck allows for positioning of the pipe in the pressure die area, with pipe re-gripping functionality
- Foot switch for hydraulic collet chuck
- Hydraulic and anticipated mandrel retraction
- Automatic minimum quantity mandrel lubrication
- Pipe and mandrel support
- Interface for remote maintenance of the machine control
- Oil cooler
- Quick-change system for the bending tools

Fully automatic and precise bending
of pipes up to Ø 140 mm.

Application example:
stainless steel pipe Ø 114.3 x 3.5 mm

Additional equipment, options and accessories

- Centralized lubrication system
- Automatic wiper die lubrication system
- PIPEFAB BE pipe bending software

Models

- Pipe length (over mandrel): 4500 mm / 6000 mm

Technical data	
Maximum bending capacity (mild steel)	Ø 120.0 x 8.0 mm │ Ø 139.7 x 4.0 mm
Maximum bending radius	420 mm
Bending speed (max.)	16 °/s
Positioning accuracy of all axes	± 0.1 mm / ± 0.1 °
Dimensions, approx. (LxWxH) [1]	8000 x 2500 x 1500 mm
Weight, approx. [1]	13000 kg
Connected load	38.0 kW

[1] at minimum pipe length over mandrel