CNC pipe bending machine

TUBOTRON 25 MR
Basic equipment and features
- Compact and exposed bending head with servo-electric horizontal and vertical axes allows for multi-radii bending (stack tooling)
- Programmable sequence control with menu-driven user guidance via SIMATIC Touch PC on mobile control board
- Servo-electric bending drive
- Pneumatic pipe clamping (mechanical fine adjustment)
- Pneumatic pressure die positioning (mechanical fine adjustment)
- Servo-electric pipe feed and rotation
- Pneumatic long-neck collet chuck allows for positioning of the pipe in the pressure die area with pipe re-gripping functionality
- Servo-electric and anticipated mandrel retraction
- Automatic minimum quantity mandrel lubrication
- Pipe and mandrel support
- Interface for remote maintenance of the machine control

Additional equipment, options and accessories
- Follower-type pressure die (linear guiding)
- Anti-buckling system for the mandrel rod
- Centralized lubrication system
- PIPEFAB BE pipe bending software

Models
- Pipe length (over mandrel): 1650 mm / 3150 mm / 4650 mm / 6150 mm

Technical data
<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Maximum bending capacity (mild steel)</td>
<td>Ø 25.0 x 2.0 mm</td>
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<tr>
<td>Maximum bending radius</td>
<td>140 mm</td>
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<tr>
<td>Bending speed (max.)</td>
<td>170 °/s</td>
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<tr>
<td>Positioning accuracy of all axes</td>
<td>± 0.05 mm / ± 0.05 °</td>
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<tr>
<td>Dimensions, approx. (LxWxH) ¹</td>
<td>3400 x 950 x 1400 mm</td>
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<tr>
<td>Weight, approx. ¹</td>
<td>1600 kg</td>
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<tr>
<td>Connected load</td>
<td>20.0 kW</td>
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</tbody>
</table>

¹ at minimum pipe length over mandrel

Application example: mild steel pipe Ø 15.0 x 1.5 mm