CNC pipe bending machine

TUBOTRON 20
Basic equipment and features

- Compact and exposed bending head for maximum bending space
- Programmable sequence control with menu-driven user guidance via SIMATIC Touch PC on mobile control board
- Servo-electric bending drive
- Hydraulic pipe clamping (power programmable)
- Hydraulic pressure die positioning
- 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

Additional equipment, options and accessories

- Follower-type pressure die (linear guiding)
- Anti-buckling system for the mandrel rod
- PIPEFAB BE pipe bending software

Models

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

Technical data

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum bending capacity (mild steel)</td>
<td>Ø 20.0 x 1.5 mm</td>
</tr>
<tr>
<td>Maximum bending radius</td>
<td>100 mm</td>
</tr>
<tr>
<td>Bending speed (max.)</td>
<td>450 °/s</td>
</tr>
<tr>
<td>Positioning accuracy of all axes</td>
<td>± 0.05 mm / ± 0.05 °</td>
</tr>
<tr>
<td>Dimensions, approx. (LxWxH)</td>
<td>2800 x 850 x 1200 mm</td>
</tr>
<tr>
<td>Weight, approx.</td>
<td>1200 kg</td>
</tr>
<tr>
<td>Connected load</td>
<td>15.0 kW</td>
</tr>
</tbody>
</table>

1) at minimum pipe length over mandrel

Application example: stainless steel pipes Ø 8.0 x 1.0 mm

Photos, text and illustrations are subject to change.
© TRACTO-TECHNIK GmbH & Co.KG. 2016-09.