CNC pipe bending machine

TUBOTRON 90 (S)
Basic equipment and features

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

Additional equipment, options and accessories

- Anti-buckling system for the mandrel rod
- PIPEFAB BE pipe bending software

Models

- TUBOTRON 90 / TUBOTRON 90 S (reinforced construction)
- Pipe length (over mandrel): 3000 mm / 4500 mm / 6000 mm

<table>
<thead>
<tr>
<th>Technical data</th>
<th>TUBOTRON 90</th>
<th>TUBOTRON 90 S</th>
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</thead>
<tbody>
<tr>
<td>Maximum bending capacity (mild steel)</td>
<td>Ø 88.9 x 6.3 mm</td>
<td>Ø 104.0 x 3.0 mm</td>
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<tr>
<td>Maximum bending radius</td>
<td>250 mm</td>
<td>250 mm</td>
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<tr>
<td>Bending speed (max.)</td>
<td>43 °/s</td>
<td>32 °/s</td>
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<tr>
<td>Positioning accuracy of all axes</td>
<td>± 0.1 mm / ± 0.1 °</td>
<td>± 0.1 mm / ± 0.1 °</td>
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<tr>
<td>Dimensions, approx. (L x W x H)</td>
<td>5300 x 1200 x 1350 mm</td>
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</tr>
<tr>
<td>Weight, approx. 1)</td>
<td>4600 kg</td>
<td>4600 kg</td>
</tr>
<tr>
<td>Connected load</td>
<td>26.0 kW</td>
<td>26.0 kW</td>
</tr>
</tbody>
</table>

1) at minimum pipe length over mandrel

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