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

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

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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 120.0 x 8.0 mm</td>
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<tr>
<td>Maximum bending radius</td>
<td>420 mm</td>
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<tr>
<td>Bending speed (max.)</td>
<td>16 °/s</td>
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<tr>
<td>Positioning accuracy of all axes</td>
<td>± 0.1 mm / ± 0.1 °</td>
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<tr>
<td>Dimensions, approx. (LxWxH) ¹)</td>
<td>8000 x 2500 x 1500 mm</td>
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<tr>
<td>Weight, approx. ¹)</td>
<td>13000 kg</td>
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<tr>
<td>Connected load</td>
<td>38.0 kW</td>
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</tbody>
</table>

¹) at minimum pipe length over mandrel

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