CNC pipe bending machine

TUBOTRON 30
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
- Hydraulic 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) with pressure die assist
- Anti-buckling system for the mandrel rod
- Centralized lubrication system
- PIPEFAB BE pipe bending software

Models

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

Technical data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Maximum bending capacity (mild steel)</td>
<td>Ø 30.0 x 5.0 mm</td>
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<tr>
<td>Maximum bending radius</td>
<td>200 mm</td>
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<tr>
<td>Bending speed (max.)</td>
<td>140 °/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)</td>
<td>4700 x 900 x 1200 mm</td>
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<td>Weight, approx.</td>
<td>1900 kg</td>
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<tr>
<td>Connected load</td>
<td>15.0 kW</td>
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1) at minimum pipe length over mandrel