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CNC / PLC pipe bending machine

TUBOTRON 60
Basic equipment and features
- Exposed bending head for maximum bending space
- Programmable sequence control with menu-driven user guidance via SIMATIC Operator Panel or Touch PC on mobile control board
- Hydraulic bending drive
- Hydraulic pipe clamping (power programmable)
- Hydraulic pressure die positioning (mechanical fine adjustment)
- 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 60 SPS / TUBOTRON 60 CNC (with servo technology)
- Pipe length (over mandrel): 3000 mm / 4500 mm / 6000 mm

Technical data

<table>
<thead>
<tr>
<th></th>
<th>SPS model</th>
<th>CNC model / servo technology</th>
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</thead>
<tbody>
<tr>
<td>Maximum bending capacity (mild steel)</td>
<td>Ø 60.3 x 4.5 mm</td>
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<tr>
<td>Maximum bending radius</td>
<td>200 mm</td>
<td>200 mm</td>
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<tr>
<td>Bending speed (max.)</td>
<td>43 °/s</td>
<td>43 °/s</td>
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<tr>
<td>Positioning accuracy of all axes</td>
<td>± 0.2 mm / ± 0.2 °</td>
<td>± 0.05 mm / ± 0.05 °</td>
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<tr>
<td>Dimensions, approx. (LxWxH)</td>
<td>5100 x 900 x 1200 mm</td>
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<tr>
<td>Weight, approx.</td>
<td>2200 kg</td>
<td>2200 kg</td>
</tr>
<tr>
<td>Connected load</td>
<td>15.0 kW</td>
<td>18.5 kW</td>
</tr>
</tbody>
</table>

1) at minimum pipe length over mandrel