Heavy Duty “SPT” CNC Liner Forming Machines

MJC “SPT” Liner Spinning machines are specially designed for manufacturing of Aluminum Liner for Type III high pressure cylinders. Using the latest technology available and standard components ensures the highest productivity while keeping maintenance and cost of ownership the lowest in the world. MJC customers benefit from the best service and support in the industry through locally authorized service centers.

DESIGN FEATURES

- Part Temperature control with Pyrometer
- “SpinCAD”™ Programming Software Suite
- Siemens Sinumerik Control System
- Computer controlled end-stop
- Quick Tooling Changeovers
- Adjustable clamping force
- Trouble-free Operation
- Rugged Construction
- Dual roller System
- Simple Diagnostics
- Low Maintenance
### SetupPRO®
Machine Monitoring Software

- Revolutionary software solutions from MJC that ease the use and setup of modern CNC flow forming machines.
- Roller Positioning and Offset Control
- Individually and Programmable Axial Roller Force Control
- Longitudinal Axis Force Feedback
- Main Spindle Motor Load Feedback
- Actual Cycle Time Timer for Production Cycle Optimization
- Production Part Counter for counting up or down
- Programmable Machine System Temperature Monitoring

### Machine Specifications

<table>
<thead>
<tr>
<th>Blank/Work piece dimensions</th>
<th>SPT 9.40</th>
<th>SPT 10.75</th>
<th>SPT 16.100</th>
<th>SPT 20.150</th>
<th>SPT 26.150</th>
</tr>
</thead>
<tbody>
<tr>
<td>Work piece Diameter, min/max</td>
<td>50 - 225mm</td>
<td>150 - 250mm</td>
<td>150 - 410mm</td>
<td>275 - 500mm</td>
<td>400 - 660mm</td>
</tr>
<tr>
<td>Wall thickness range, min/max</td>
<td>2 - 8mm</td>
<td>3-12m</td>
<td>3-12mm</td>
<td>5 - 15mm</td>
<td>5 - 15mm</td>
</tr>
<tr>
<td>Maximum length</td>
<td>2000mm</td>
<td>2500mm</td>
<td>3000mm</td>
<td>3000mm</td>
<td>4000mm</td>
</tr>
</tbody>
</table>

### Machine Data

- Power main spindle drive:
  - 40kW AC
  - 75 kW AC
  - 100 kW AC
  - 150 kW AC
  - 150 kW AC

- Max Main spindle speed:
  - 800 rpm
  - 650 rpm
  - 500 rpm
  - 400 rpm
  - 400 rpm

- Longitudinal Slide Speed:
  - 0-150mm/sec
  - 0-150mm/sec
  - 0-125mm/sec
  - 0-125mm/sec
  - 0-125mm/sec

- Max. Longitudinal Slide Force:
  - 50kN
  - 50kN
  - 70kN
  - 70kN
  - 70kN

- Transverse Slide speed:
  - 0-150mm/sec
  - 0-150mm/sec
  - 0-125mm/sec
  - 0-125mm/sec
  - 0-125mm/sec

- Max. Transverse Slide force:
  - 50kN
  - 50kN
  - 70kN
  - 70kN
  - 70kN

- Hydraulic drive power:
  - 30 kW
  - 30 kW
  - 38kW
  - 38kW
  - 38kW

- Chucking Method:
  - Air Chuck
  - Air Chuck
  - Air Chuck
  - Air Chuck
  - Spring Chuck

- Clamping Force:
  - 110kN/6bar
  - 110kN/6bar
  - 180kN/6bar
  - 190kN/6bar
  - 190kN

- Slide Lubrication:
  - Grease
  - Grease
  - Grease
  - Grease
  - Grease

- Hydraulic components:
  - Parker
  - Parker
  - Parker
  - Parker
  - Parker

- Siemens PLC Control:
  - Step 7
  - Step 7
  - Step 7
  - Step 7
  - Step 7

- Siemens CNC control:
  - 840D
  - 840Dsl
  - 840Dsl
  - 840Dsl
  - 840Dsl

Specifications Subject to Change Without Notice