MJC has developed the future with its new 4-roller flow forming machines. This new concept has revolutionized the metal forming industry. MJC Flow Forming Machines are specially designed for the manufacturing of rotary and shear formed precision components. The cylindrical flow forming process allows great potential for weight optimization, reduction of production steps, and control of tight tolerance wall thicknesses. MJC customers benefit from the best service and support in the industry through locally authorized service centers.

DESIGN FEATURES

- 4-Roller Design
- Increased Feed Rate
- Better Balance in Forming Forces
- Faster Cycle Times
- Rugged Construction
- Massive Main Components
- Oversized Linear Slide Bearings
- Dual Z Axis Ball-screw Drives
- Hydraulic X Axes
- Extremely Rigid X Slide Units
- Trouble-free Operation
- Quick Tooling Changeovers
- Simple Diagnostics
- Low Maintenance
- Siemens Sinumerik Control System
- Custom Programming Software
Advanced CNC Equipment for Metal Forming Technology

CNC Flow Forming Machines F1300.3000-4

"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

Blank/Work piece dimensions:

<table>
<thead>
<tr>
<th>F1300.3000-4</th>
<th>200 mm / 1300 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>min/max</td>
<td>max. 3,000 mm</td>
</tr>
<tr>
<td>max. 6,000 mm</td>
<td></td>
</tr>
</tbody>
</table>

Work piece Diameter:

<table>
<thead>
<tr>
<th>200 mm / 1300 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>min/max</td>
</tr>
<tr>
<td>max. 3,000 mm</td>
</tr>
<tr>
<td>max. 6,000 mm</td>
</tr>
</tbody>
</table>

Cylindrical length in forward flow forming:

<table>
<thead>
<tr>
<th>3,000 mm</th>
</tr>
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<tbody>
<tr>
<td>max.</td>
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</table>

Cylindrical length in reverse flow forming:

<table>
<thead>
<tr>
<th>6,000 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>max.</td>
</tr>
</tbody>
</table>

Machine Data:

- Tool mounting main spindle as per DIN 55022: Size 20
- Power main spindle drive: 333 kW AC Vector
- Main spindle speed: max. 450 rpm
- Transverse slide unit force: max. 650 kN
- Transverse slide unit stroke: 350 mm
- Longitudinal slide stroke: 3,300 mm
- Longitudinal slide force: max. 1000 kN
- Number of radial feed units in the slide: 4 units
- Tailstock stroke: 1,000 mm
- Tailstock clamping force: max. 300 kN
- Tailstock mounting as per DIN 55022: Size 6
- Ejector stroke: 2,000 mm
- Ejector force: 400 kN
- Hydraulic force: 75 kW
- Hydraulic components: Parker Hannifin
- PLC Control: Siemens Step 7
- CNC control: Siemens 840Dsl

Specifications Subject to Change Without Notice

www.mjcengineering.com

US Manufacturer of High Quality CNC Spinforming Equipment