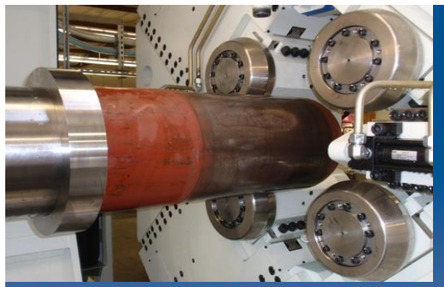
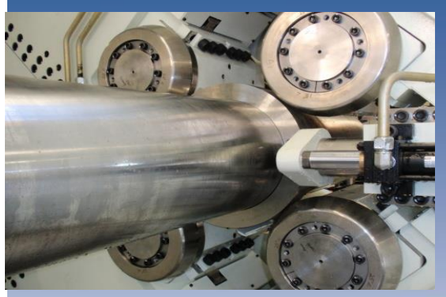
Advanced CNC Metal Flow Forming Machines

**With its new 4-roller flow forming machines, MJC has developed the future within flow forming technology. 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 Cystem
- Custom programming Software

www.mjcengineering.com

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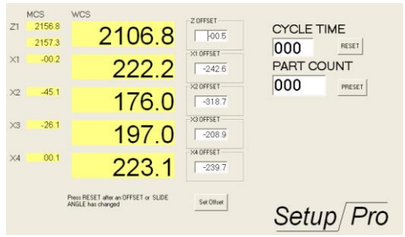
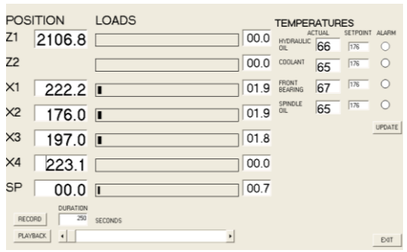
“SetupPRO”© Machine Monitoring Software





- 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	**F1200.2300-4**
Min/max work piece Diameter:	**200 mm / 450 mm**
Cylindrical length in forward flow forming:	**max. 3,000 mm**
Cylindrical length in reverse flow forming:	**max. 6,000 mm**
Machine Data	
Tool mounting main spindle as per DIN 55022:	**Size 15**
Power main spindle drive:	**190 kW AC Vector**
Main spindle speed:	**max. 600 rpm**
Transverse slide unit force:	**max. 400 kN**
Transverse slide unit stroke:	**200 mm**
Longitudinal slide stroke:	**2300 mm**
Longitudinal slide force:	**max. 500kN**
Number of radial feed units in the slide:	**4 units**
Tailstock stroke:	**1,000 mm**
Tailstock clamping force:	**max. 147 kN**
Tailstock mounting as per DIN 55022:	**Size 6**
Ejector stroke:	**2,300 mm**
Ejector force:	**200 kN**
Hydraulic drive power:	**45 kW**
Hydraulic components:	**Parker Hannifin**
PLC Control:	**Siemens Step 7**
CNC control:	**Siemens 840Dsl**

Specifications Subject to Change Without Notice

MJC ENGINEERING AND TECHNOLOGY, INC.

Advanced CNC Equipment for Metal Forming Technology
CNC Flow Forming Machines F1200.2300-4

ENGINEERED PERFECTION