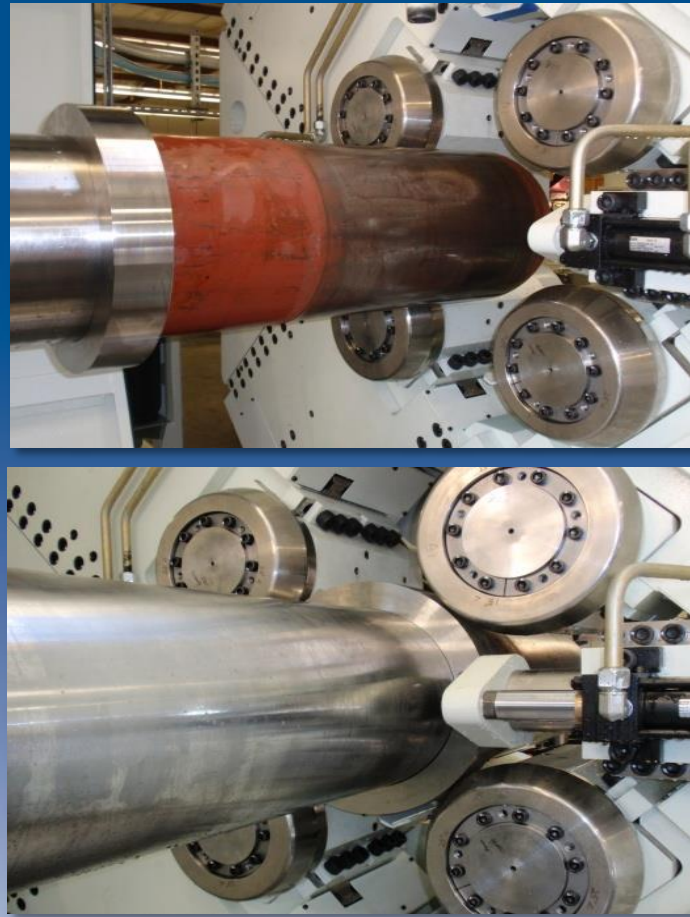


Advanced CNC Metal Flow Forming Machines



DESIGN FEATURES

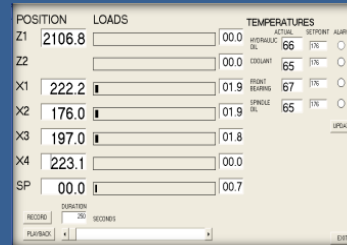
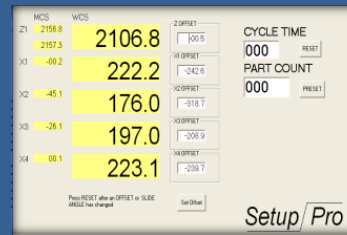
- 4-Roller Design
- Increased Feed Rate
- Better Balance in Forming Forces
- Faster Cycle Times
- Rugged Construction
- Massive Main Components
- Oversized Linear Slide Bearings
- Dual Z Axis Ball-screw Drives
- Hydraulic X Axes
- Extremely Rigid X Slide Units
- Trouble-free Operation
- Quick Tooling Changeovers
- Simple Diagnostics
- Low Maintenance
- Siemens Sinumerik control system
- Custom programming software

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.

“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

Min/max work piece Diameter:
Cylindrical length in forward flow forming:
Cylindrical length in reverse flow forming:

F1200.2300-4

200 mm / 450 mm
max. 3,000 mm
max. 6,000 mm

Machine Data

Tool mounting main spindle as per DIN 55022:
Power main spindle drive:
Main spindle speed:
Transverse slide unit force:
Transverse slide unit stroke:
Longitudinal slide stroke:
Longitudinal slide force:
Number of radial feed units in the slide:
Tailstock stroke:
Tailstock clamping force:
Tailstock mounting as per DIN 55022:
Ejector stroke:
Ejector force:
Hydraulic drive power:
Hydraulic components:
PLC Control:
CNC control:

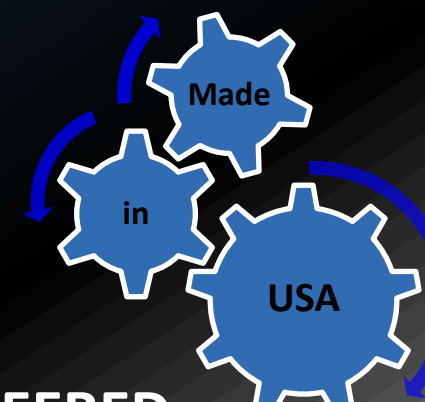
size 15
190 kW AC Vector
max. 600 rpm
max. 400 kN
200 mm
2300 mm
max. 500kN
4 units
1,000 mm
max. 147 kN
Size 6
2,300 mm
200 kN
45 kW
Parker Hannifin
Siemens Step 7
Siemens 840D

Specifications Subject to Change Without Notice



**ENGINEERING AND
TECHNOLOGY, INC.**

Heavy Duty 4-Roller CNC Flow-Forming Machine F1200.2300-4



**ENGINEERED
PERFECTION**

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