

# Advanced CNC Metal Flow Forming Machines



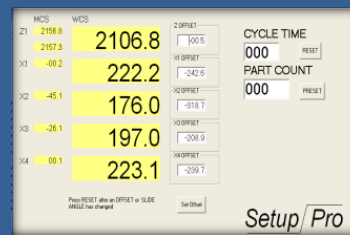
- DESIGN FEATURES**
- 2-Roller Design
  - Superior Feed Rate
  - Better Balance in Forming Forces
  - Faster Cycle Times
  - Rugged Construction
  - Oversized Linear Slide Bearings
  - Servo Ball-screw Drives
  - Rigid X Slide Units
  - Trouble-free Operation
  - Quick Tooling Changeovers
  - Simple Diagnostics
  - Low Maintenance
  - Siemens Sinumerik control system
  - Custom programming software

With its new 2-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”<sup>®</sup> 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



**ENGINEERING AND  
TECHNOLOGY, INC.**

## Heavy Duty 2-Roller CNC Flow-Forming Machine SP-850-4



### Machine Specifications

#### Blank/Work piece dimensions

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

#### SP-850-4

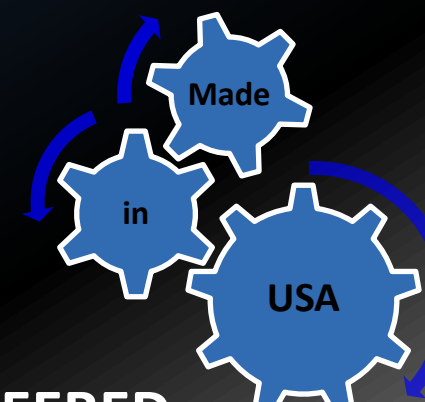
10 mm / 150 mm  
max. 300 mm  
max. 500 mm

#### 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:  
PLC Control:  
CNC control:

size 6  
20 kW AC Vector  
max. 6000 rpm  
max. 10 kN  
150 mm  
400 mm  
max. 10kN  
2 units  
400 mm  
max. 10 kN  
Siemens Step 7  
Siemens 840Dsl

Specifications Subject to Change Without Notice



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**PERFECTION**

**MJC Engineering & Technology, Inc.**  
15401 Assembly Lane, Huntington Beach, CA USA  
Phone: 714.890.0618 / Fax: 714.895.3561

[www.mjcengineering.com](http://www.mjcengineering.com) / email: [sales@mjcengineering.com](mailto:sales@mjcengineering.com)