

Automated End Forming & CNC Bending System (Robotic)



Description

CMP builds high volume Flexible End Forming and Robotic Systems to customer specifications.

This Project required a high volume automation solution for tube processing. Highly flexible, this system accommodated various End Form Bending configurations. This System provided better process control, lowered production costs while improving efficiencies.

Application

- Automotive Power Train Components

Features

- Bulk Hopper/Feeder
- High Precision Tube End Locate
- Weld Seam Orientation
- CMP EFP100 End Former
- End Form Inspection (Laser)
- Drill Station (with Chip Removal System)
- High Speed Tube Transfer
- Robotic CNC Loading / Unloaded System
- Fallout Rack
- Quick Tooling Changeover
- Machine Guarding
- Reject Area
- Colour Touch Screen HMI
- Error Messaging System

Specifications

Diameter Range	3/8" to 1 1/4"
Length Range	12" to 120"
Tube Capacity (Max.)	250 Pcs. @ 5/8 Dia.
Robot Specifications	ABB, Motoman, Fanuc
Electrical*	480 VAC, 60 Hz
Pneumatic	80 PSI
Hydraulic	1,200 PSI (2,000 Max)

* Contact CMP for other power options available

Contact CMP directly for more information beyond the scope of this document



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