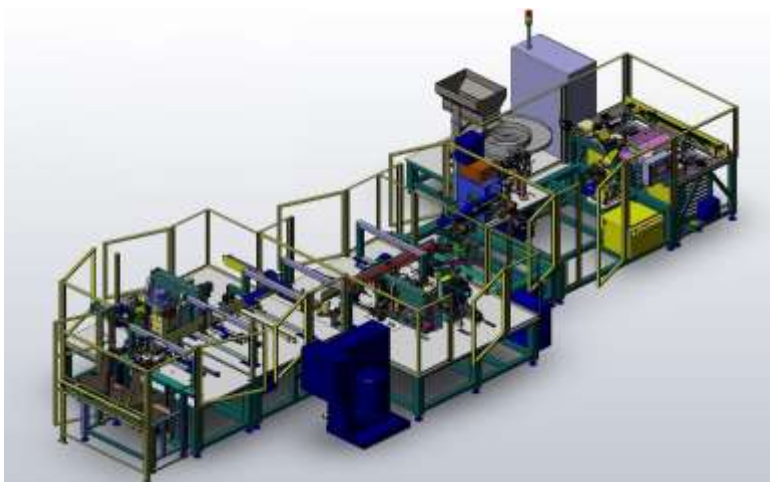


Tube Forming & Projection Welding Cell



Description

The Tube Forming & Projection Welding Cell has been designed and built to automate the assembly process of Oil Level Pipe. This fully automated assembly system requires raw parts to be loaded by the operator and finished stacks of trays to be unloaded. Inspection processes throughout ensure parts meet specifications.

Application

- Automotive Oil Level Pipe

Features

- Bulk Feeding of Tubes
- Hydraulic End Form Press 1: Swaging
- Hydraulic End Form Press 2: Sizing and Flaring
- ID Inspection: Go/No-Go Probe
- Hydraulic End Form Press 3: Bead Forming
- Groove Forming
- Bead and Groove Diameter Vision Inspection
- Dedicated Tube Bending Station
- Bracket Projection Weld
- Braze Paste Dispense
- Robotic Material Handling (Tray Populating)
- Automated Tray Handler (Tray Stacking)
- Machine Guarding
- Touch Screen HMI
- Error Message System

Specifications

Cycle Time:	11 Seconds
Tube Diameter:	12mm
Tube Length:	500mm
Tube Capacity:	500
Electrical:	120VAC, 60Hz

* Contact CMP for other power options available

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



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