Pierce & Valve Assembly Machine

Description

CMP builds dedicated Pierce & Valve Assembly Machines to customer specifications.

This Project consisted of CMP’s standard tube feeding and punching technologies. This machine was designed to accommodate a wide variety of tube diameters, tube lengths and valve sizes.

Application

- Automotive HVAC Components

Features

- Magazine Feeder
- High Precision Tube End Locate
- Bulk Bowl Feeder System (Valves)
- Pneumatic C-Frame Press
- Quick Change Punch Tooling
- High Velocity Slug Removal System
- Slug Removal Detection System
- Reject Area
- Quick Tube Length Adjustment
- Machine Guarding
- Standard CMP Machine Controls
- Colour Touch Screen HMI
- Error Messaging System

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter Range</td>
<td>3/8” to 3/4”</td>
</tr>
<tr>
<td>Length Range</td>
<td>12” to 60”</td>
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<tr>
<td>Tube Capacity (Max.)</td>
<td>30 Pcs. @ 5/8 Dia.</td>
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<tr>
<td>Punch Force</td>
<td>3/4 Ton Max</td>
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<tr>
<td>Electrical*</td>
<td>240 VAC, 60Hz</td>
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<tr>
<td>Pneumatic</td>
<td>80 PSI</td>
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</table>

* Contact CMP for other power options available

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