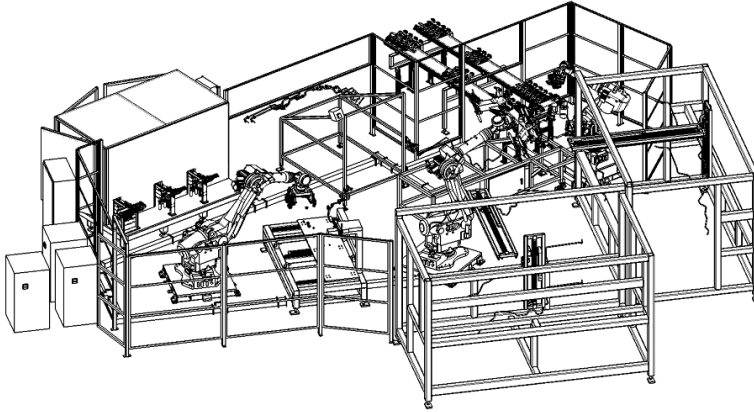


## Robotic Tube Bundle Assembly System



### Description

CMP builds high volume Robotic Tube Bundle Assembly Systems to customer specifications.

This Project consisted of a complete turn-key automation solution for a Fuel/Brake Bundle assembly process. Labour intensive assembly operations were eliminated, productivity was increased and better control of the process was achieved. Well suited for higher volume applications, these systems have been proven to lower production costs.

### Application

- Automotive Brake & Fuel Lines

### Features

- Robotic Tube and Clip Loading System
- Bulk Feeding of Clip Components
- Jumper Feed System
- Jumper Insertion System
- Leak Testing
- Destruct Tooling (Rejected Tube Jumper Assembly)
- Automatic Bundle Assembly Table
- Fallout Rack w/ Bundle Accumulation
- Cell Guarding
- Colour Touch Screen HMI
- Error Messaging System

### Specifications

Robot Specifications	ABB, Motoman, Fanuc
Electrical*	600 VAC, 60 Hz
Pneumatic	80 PSI

\* Contact CMP for other power options available

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



#### CMP Automation Inc.

229 Boida Avenue, Ayr, Ontario, Canada, N0B 1E0  
 Tel: (519) 740-6035 Fax (519) 622-5894  
 Email: salescanada@cmpautomation.ca  
 Web: www.cmpautomation.ca