

	Position Title:	Machine Builder	No.	300.6
	Department:	Automation Toolroom	Rev:	1
	Report To:	Foreman-Automation Toolroom	Date:	Nov. 9, 2016

MAJOR DUTIES:

Set-up, machine, fit and assemble component parts and precision tooling to build automation machinery. Also, as required based on project size, co-ordinate the activities of a support group of toolmakers in the building and assembly of mechanical assemblies and tooling.

SPECIFIC RESPONSIBILITIES:

- Set up and operate, to prescribed tolerances, equipment (e.g. lathes, milling machines, surface grinders, drills, saws, boring machines) for the manufacturing of machine tooling.
- Read and interpret blueprints, operation and product-related reference charts and tables and select mechanical measuring, checking and layout tools and devices.
- Execute measuring, checking and layout operations and select work piece materials and the required cutting tools and abrasives for metal removal operations.
- Perform metal removing operations using hand and power tools and select work piece clamping and holding devices and product-related components.
- Manufacture component parts, assemble and test tools, jigs and fixtures for machine integration with electro-mechanical sub-assemblies and systems components.
- Fit and assemble parts and sub-assemblies to build special-purpose machinery.
- Integrate pneumatic and hydraulic systems into special-purpose machinery as required.
- Be informed about project status through Project Managers, Toolroom Foreman and Toolroom Group Leaders.
- Ensure that CMP standards are met during the machining and assembly process.
- Proceed with floor assembly according to design; assembling the machinery in a safe and proper order. Coordinate with the Electrician, Fabricator and PLC Programmer to provide for their needs, in a timely manner. Advise Toolroom Group Leader and designers of any floor assembly design problems, coordinating rework if required.
- Participate in the debug/integration of the machine or station start up. Completing the set up checks of stations before PLC Programmers are scheduled to be on the station. Check to see if cycle times are achievable; and advising the designers of potential problems. Run the entire machine with the group and others, if required, to check functionality of operator stations, operator interface, loading and unloading areas, and guarding for ease of maintenance.
- Provide mechanical support during machine acceptance.
- Participate in the tear down and shipping of the equipment, dismantling in an orderly fashion to minimize the installation time at customers' site.
- Be an ambassador for CMP at the customers' site. Providing a quick and efficient installation of the equipment at customers' site. Follow all safety procedures according to CMP Health and Safety policies in addition to any customer on site Health and Safety procedures.
- Reassemble equipment to the point of buy-off at customers' site. Train maintenance and operators on running equipment and following safety procedures.
- Work with assigned manual writer to instruct special requirements of the machine.
- Adhere to all CMP Health and Safety rules and procedures.