

ASPECT AUTOMATION Position Description

Position Title: Machine Builder
Department: Assembly
Reports To: Assembly Supervisor

Position Objective:

Fit and assemble components according to blueprints or sketches to construct, rebuild and repair special machines and equipment using hand tools and power tools.

Essential Job Duties and Responsibilities:

1. Read and analyze assembly blueprints and specifications manual, and plan machine building operations.
2. Fit and assemble components according to specifications and test for conformance to specification and operation:
 - a. Align components for assembly and assemble parts using hand tools.
 - b. Verify conformance of parts to blueprints using measuring instruments.
 - c. Assemble, set up and operate machine to verify functioning, machine capabilities and conformance.
 - d. Form and fasten pneumatic and hydraulic lines, fixtures and attachments required to service machine with air, water and oil.
 - e. May install wiring and electrical components to specifications.
3. Debug assemblies and machines by identifying and correcting problems affecting proper operation.
4. Fabricates and modifies parts as required.
 - a. Layout hole locations; drill and tap holes on parts for assembly.
 - b. Set up and operate metalworking machines to fabricate or modify parts.
5. Perform installation, debug, repair and other field service duties that require off-site travel.

Essential Qualifications:

- Two-year degree in the machine trades or related degree and at least 4 years of experience in machining or machine building. If no degree, at least 6 years of relevant experience in machining or machine building is required.
- Ability to read blueprints.

- Knowledge of fits, tolerances, alignment of mechanical components, and an understanding of actuators as well as mechanical functions and systems.
- Must possess the communication and interaction skills to perform in a collaborative/team environment.
- Ability to effectively read and write in English
- Ability to travel overnight, as needed, to service equipments. Must be able to travel by car or air as needed.
- Possession of own set of hand tools.

Desirable Qualifications:

- Working knowledge of hydraulic systems.
- Working knowledge of machine wiring.
- Journeyperson Machinist ranking.

Physical Demands:

- Continuous standing, grasping and carrying.
- Frequent walking, bending, squatting, reaching, twisting and lifting for extended periods of time.
- Frequent lifting and moving of parts (up to 50 pounds) at shoulder level.
- Visual ability to read prints and visually inspect; peripheral vision to avoid moving equipment.
- Hearing ability to monitor machine sounds and communicate safety instructions with assembly team.

Working Conditions:

- Exposure to moving equipment.
- Occasional exposure to loud noise.
- Exposure to high voltage.