

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. Sr. Machine Builder: verifies alignment and tolerances of moving parts using measuring instruments.
 - d. Assemble, set up and operate machine to verify functioning, machine capabilities and conformance.
 - e. Form and fasten pneumatic and hydraulic lines, fixtures and attachments required to service machine with air, water and oil.
 - f. May install wiring and electrical components to specifications.
3. Debug assemblies and machines by identifying and correcting problems affecting proper operation. Sr. Machine Builder will take an active leadership role during the debug phase of the project.
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.
6. Sr. Machine Builder: Is an effective team member and is a supporter of the team concept. Cooperates with others inside & outside of their department and unselfishly offers help without being asked. Shares information and openly

expresses ideas, in order to solve problems, foster innovation and achieve win-win solutions.

Essential Qualifications:

- Entry-level: 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 and machine drawings.
- Must possess in depth experience and knowledge in close 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.
- Consistently models the following attributes; is trustworthy, intently listens, willingly helps others and communicates in a straightforward honest manner.
- Sr. Machine Builder: Experience working with and assembling pneumatic components and systems; Demonstrated leadership, communication, and interaction skills to perform in a collaborative/team oriented work structure; Good English language skills; Must be willing to, on occasion, travel overnight to service equipment. Must be willing to travel by air.
- Sr. Machine Builder: Working knowledge of computers and programs i.e. SolidWorks, Microsoft Excel, and ERP systems.
- Sr. Machine Builder: Willing to work over-time when needed.

Desirable Qualifications:

- Working knowledge of hydraulic systems.
- Working knowledge of machine wiring.
- Journeyperson Machinist ranking.
- Sr. Machine Builder: Willing and able to train others.

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.