**Job Title:** Sr.Machine Builder / Assembler

**Department:** Manufacturing

**FLSA Status:** Non-Exempt

**Prepared By:** Steve Halfaker

**Date:** April 28, 2021

The Sr. Machine Builder / Assembler leverages strong mechanical skills and technical knowledge to build robotic automation systems and custom machines used in the aluminum die casting and industrial manufacturing industries within North America. This role is a hands-on opportunity to assemble unique products and custom designed systems that use a variety of technology and components to assist in the manufacture of consumer products.

**Responsibilities:**

* Assemble, debug, modify and install custom designed special purpose machinery in a time sensitive environment to meet or exceed customer expectations
* Integrate purchased mechanical, pneumatic, and power transmission components, manufactured details, air and liquid piping assemblies, and sub-assemblies to construct automated machinery for custom applications
* Perform critical precision alignments and set-ups of mechanical components and systems and take measures to ensure integrity of set-up
* Responsible for installing pneumatic components and sub-systems as per supplied schematics and specifications, plumbing, testing and optimizing system performance for cycle time and equipment durability concerns
* Identify any technical issues with supplied materials, components and equipment
* Participate in equipment tear down and packaging as required
* Identify and correct mechanical deficiencies in the build (regardless of source), and accurately documenting as built changes so engineering drawings can be updated
* Work with engineering, electrical, and controls departments to see jobs through to completion
* Organize materials, workspace and work sequence in the most efficient manner for machine builds.
* Identify all tools, fasteners, miscellaneous items and equipment required to complete tasks efficiently and work with project manager to secure all required material in a timely manner.
* Maintain a clean, safe and orderly work area.
* Be well groomed and wear appropriate clothing to meet the job standards at both RYOEI USA and at our customer location.
* Travel up to 20% including some overnights.

**Requirements:**

* Minimum Five (5) years’ experience in machine building or equipment maintenance (preferably automotive production related), experience in a high-speed manufacturing or aluminum die casting environment a plus.
* Demonstrated experience in building equipment utilizing the following technologies: robotic systems, pneumatic actuators, servo motors and actuators, hydraulics, power transmission, pipe assemblies (pipe fitting).
* Familiarity with modern electrical controls technologies as they apply to automated equipment (e.g. PLC’s, HMI’s, safety devices, and instrumentation).
* Strong working knowledge of machine shop practices.
* Strong mechanical aptitude and understanding of mechanical fundamentals as they apply to machinery and equipment.
* Strong mechanical troubleshooting skills.
* Ability to use the following machine shop equipment safely and efficiently to complete tasks; milling machine, lathe, surface grinder etc.
* Ability to weld common metals (MIG/TIG) encountered in machine building is a plus.
* Understanding of basic machinery rigging principles and the ability to operate rigging equipment including, cranes and forklifts etc.
* Good working knowledge of Machinery Safeguarding Principles and Standards as it applies to production work cells – ability to identify shortcomings or deficiencies and correct.
* Good working knowledge of pneumatic/hydraulic control circuits.
* Ability to work on multiple projects at the same time while maintaining focus.
* Ability to work overtime as required and travel to customer sites on occasion to assist in equipment installation and start-up.
* Excellent oral and written communication skills.
* Proven ability to perform under strict time constraints and flexibility and adaptability to work long hours or alternate shifts when project schedules dictate.
* Excellent organizational skills, strong attention to detail, and disciplined approach to work.
* Ability to use Microsoft Windows and Office Suite.

**Physical Demands:**

The physical demands described here are representative of those that must be met by an employee to successfully perform the general duties of this job. While performing the duties of this job the employee is regularly required to stand for long periods of time, walk, sit, and to use enough hand, arm, and finger dexterity to operate equipment and to assemble components of varying size. Requires physical work associated with moving machine components and manufacturing equipment of up to 50lbs. Requires visual acuity to read words and numbers. Requires speaking and hearing ability to communicate in person and over the phone.

**Work environment**

The work environment characteristics are those generally associated with manufacturing settings.

**Employment Statement**

Nothing in this job description restricts RYOEI USA’s right to assign or reassign duties and responsibilities to this job at any time. All terms and conditions of RYOEI USA’s at-will employment, duties, and responsibilities are subject to the RYOEI USA’s Employee Handbook.

**Work Hours**

This is a full-time position. Hours will vary based upon needs and will include evening and weekend hours as required.

**Salary and Compensation**

* This is an hourly based position. The starting pay will be commensurate with the qualifications and experience of the candidate.
* Benefits include paid vacation and recognized holidays, health care benefits, and travel reimbursement.

RYOEI USA, Inc. is an Equal Opportunity Employer.