

Job Description

Job Title	Machine Operator 1	Location	Manufacturing Facility
Department	Manufacturing – Pay Grade 2	Immediate Supervisor	Department Manager

Position Summary

(Describe primary function of position)

Responsible for running high-technology automated manufacturing equipment including CNCs, Lathes, Broaches, Gear Grinders, Shavers, & Hobs. Producing engine and drivetrain components with extremely tight tolerances and strict quality control requirements. Reads and interprets blueprints ensuring each part has correct dimensions, performs adjustments as needed to hold specifications, and reports defects.

Primary Responsibilities

- Simultaneously operate multiple CNC milling & lathe machines; broach & hone; gear hob, shave, shape, & precision grinding machines; load & unload, deburr & clear product, fixture part & 100% check Key Product Characteristics to tolerance
- Perform deburr operations using deburr tools, grinding wheels, drill presses, or hand drills
- Use calipers, micrometer, height gauge, and other tools to measure and maintain part quality
- Adjust machine based on quality measurement results; change tools, drills, inserts, cutters as needed; sharpen cutter tools; set tool registers & offsets
- Assist in machine setup, including remove/install tooling & cutter changes; install & adjust jaws, v-blocks, fixture, chucks, collets, bushings, automatic pallet loading devices, & vices.
- Coordinate first-run part sample after setup to quality lab for inspection
- Maintain product production lot control; perform movements of raw material, WIP, & finished goods
- Perform daily machine preventive maintenance; perform end-of-day machine shutdown procedures; clean chips, debris, & sludge from machine, empty chip container; cleaning & adjust coolant, oil, & hydraulics
- Support world class quality standards by tightly adhering to Statistical Process Control, Key Product Characteristic tolerances, gauge calibration scheduled

Experience & Knowledge Requirements

- Must be able to read & interpret blueprints & CAD models of products, understand tolerances
- Must have experience using micrometers & calipers, and doing the math to determine machine offset adjustment
- Have experience using mechanic tools, blasting machine, hydraulic press, deburr tools, and other tools
- Facilitate and maintain a LEAN manufacturing work environment, with world class safety, 5S standards, and participate in continuous improvement projects
- Ability to multitask and manage time between simultaneous projects
- Have high levels of organization, self-discipline, attention to detail, and follow Standard Work requirements
- Enjoy working with others in a team environment

Limitations and Disclaimer

The above statements are intended to describe the general nature and level of work that will be performed for the described job. They are not to be construed as a complete list of responsibilities, duties, and skills required for the position. Position requirements represent the minimum level of education, work experience, skills and/or abilities required to perform the duties of the position.