



**Job Title:** Machinist/Tool & Die Maker

**Job Summary:**

Our highly trusted, growth oriented, innovative, and lean manufacturing company is seeking a machinist/tool & die maker with knowledge to setup and operate a variety of machine tools to produce precision parts and instruments. Should also be able to fabricate and modify parts to make or repair machine tools or maintain industrial machines, applying knowledge of mechanics, shop mathematics, metal properties, layout, and machining procedures.

**Essential Responsibilities and Duties: *(Other duties may be assigned)***

- Calculate dimensions and tolerances using knowledge of mathematics and instruments such as micrometers and vernier calipers.
- Machine parts to specifications using machine tools such as lathes, milling machines, grinders, drill presses or cut off saw bands.
- Measure, examine, and test completed units to detect defects and ensure conformance to specifications, using precision instruments such as micrometers.
- Set up, adjust, operate and maintain a wide variety of machine tools, dies, fixtures and gauges to perform precision machining operations with very close tolerances; construct more complex units where design is not available.
- Perform development work, layout and difficult tool room machine operations, fitting, timing and adjusting, e.g. combination dies for parts of irregular contour, box-type drill jigs with difficult locating or nesting features and ordinary index milling features..
- Dismantles and repairs or replaces parts of damaged metal stamping dies and fixtures, fits and assembles parts, and tests repaired dies for proper operation.
- Assemble and disassemble progressive, form, draw, transfer and line dies as well as jigs and fixtures.
- Align and secure holding fixtures, cutting tools, attachments, accessories, and materials onto machines.
- Monitor the feed and speed of machines during the machining process.
- Study sample parts, blueprints, drawings, and engineering information to determine methods and sequences of operations needed to fabricate products, and determine product dimensions and tolerances.
- Select the appropriate tools, machines, and materials to be used in preparation of machinery work.
- Establish and maintain a preventative maintenance program to ensure all tools are properly fit for use.
- Observe and listen to operating machines or equipment to diagnose machine malfunctions and to determine need for adjustments or repairs to support production.

**Qualifications and Skills:**

- 3-5 years of machinist experience in a deep draw and metal stamping environment with die making and die repair experience; Journeyman card with a state-approved apprenticeship completion not required, but preferred.
- Knowledge of machines and tools, including their designs, uses, repair, and maintenance including metal stamping dies; progressive, single stage, line and secondary set-up operation.
- Understanding written sentences and paragraphs in work related documents.
- Understanding the implications of information for current and future problem-solving and decision-making.
- Take direction from and interface with tooling team leaders, designers, and engineers.

**General Requirements:**

- Must be able to lift 50-60 lbs. and work up to 10 hour shifts.
- US Citizenship or Authorization to work in the U.S.
- Valid Driver's License and reliable transportation.
- Proficiency in Microsoft Office.
- Verifiable employment history, references , background check, pre-employment physical and drug test required.
- Ability to work independently and follow direction.