
Job Opportunities

Tool & Die Maker – Class B, Dexter-Russell, Southbridge, MA

POSITION SUMMARY

[Dexter-Russell](#) is looking for a tool & die maker who can construct, alter, and diagnose a variety of ordinary blanking, bending and forming tools, ordinary jigs, fixtures, gauges and machine parts. Performs a variety of machine setups on tool room equipment and demonstrates skilled bench work, fitting and assembly of tools to insure satisfactory performance.



Essential Functions Statement(s)

- Verify dimensions, alignments, and clearances of finished parts for conformance to specifications, using measuring instruments such as calipers, gauge blocks, micrometers, and dial indicators.
- Study blueprints, sketches, models, or specifications to plan sequences of operations for fabricating tools, dies, or assemblies.
- Set up and operate conventional or computer numerically controlled machine tools such as lathes, milling machines, and grinders to cut, bore, grind, or otherwise shape parts to prescribed dimensions and finishes.
- Visualize and compute dimensions, sizes, shapes, and tolerances of assemblies, based on specifications.
- Inspect finished dies for smoothness, contour conformity, and defects.
- Fit and assemble parts to make, repair, or modify dies, jigs, gauges, and tools, using machine tools and hand tools.
- Conduct test runs with completed tools or dies to ensure that parts meet specifications, making adjustments as necessary.
- Select metals to be used from a range of metals and alloys, based on properties such as hardness and heat tolerance.
- File, grind, shim, and adjust different parts to properly fit them together.
- Lift, position, and secure machined parts on surface plates or worktables, using hoists, vises, v-blocks, or angle plates.
- Smooth and polish flat and contoured surfaces of parts or tools, using scrapers, abrasive stones, files, emery cloths, or power grinders.
- Design jigs, fixtures, and templates for use as work aids in the fabrication of parts or products.
- Measure, mark, and scribe metal or plastic stock to lay out machining, using instruments such as protractors, micrometers, scribes, and rulers.
- Set up and operate drill presses to drill and tap holes in parts for assembly.
- Set pyrometer controls of heat-treating furnaces and feed or place parts, tools, or assemblies into furnaces to harden.

- Cut, shape, and trim blanks or blocks to specified lengths or shapes, using power saws, power shears, rules, and hand tools.
- Develop and design new tools and dies, using computer-aided design software.

Competency Statement(s)

- Problem Solving - Ability to find a solution for or to deal proactively with work-related problems.
- Reliability - The trait of being dependable and trustworthy.
- Analytical Skills - Ability to use thinking and reasoning to solve a problem.
- Decision Making - Ability to make critical decisions while following company procedures.
- Technical Aptitude - Ability to comprehend complex technical topics and specialized information.
- Safety Awareness - Ability to identify and correct conditions that affect employee safety.
- Resource Management (People & Equipment) - Ability to obtain and appropriate the proper usage of equipment, facilities, materials, as well as personnel.
- Organized - Possessing the trait of being organized or following a systematic method of performing a task.
- Detail Oriented - Ability to pay attention to the minute details of a project or task.
- Autonomy - Ability to work independently with minimal supervision.
- Accuracy - Ability to perform work accurately and thoroughly.
- Accountability - Ability to accept responsibility and account for his/her actions.

Computer Skills

Knowledge of Microsoft preferred.

Knowledge of ProtoTRAK SMX CNC a must.

Dexter-Russell, Inc. is an Equal Opportunity Employer. The company conducts post-offer pre-employment physical evaluations, and drug & tobacco screenings.

Job Type: Full-time

To Apply

Contact April Ullrich, Human Resources Manager

Dexter-Russell, Inc.

aullrich@dexter1818.com