

## Job Opportunities

# Mold/Die Maker 1st Class, Group Leader, Precix, New Bedford, MA

[Precix](#) is looking for a Mold Maker, 1st Class, Group Leader. The job involves planning, layout construction, altering and repairing a wide variety of single and multiple cavity molds and a variety of dies, including multiple-step progressive and compound dies, special tooling, experimental and prototype dies for use in the production of molded rubber products.



## Duties and Responsibilities

- Design is usually available but considerable work must be done from sketches, samples, models, verbal instructions, involving design and development, knowledge of basic characteristics of molded rubber.
- Work with supervisors and others as to the solution of specific problems.
- Interpret drawings, sketches, specifications, samples, models, instructions and plan and lay out work in proper operational sequence.
- Visualize finished product, make necessary mathematical calculations and select allowances for metal flow, machining, and shrinkage, heat treating, finishing and assembly.
- Recognize and report, for correction, any errors, which would interfere with production.
- Perform all required layouts involving precise calculations and measurements, accurate scribing and locations of all points, and areas to be machined. Measure layout and produce templates for duplication of parts.
- Perform a wide range of machining operations, including use of special purpose attachment for precision die form grinding and also including set up and operation of numeric-controlled machines, involving difficult and unusual set ups to achieve very close tolerances, fits, and interrelationships.
- Construct temporary tooling as needed or alter existing tooling to accomplish desired results.
- Perform necessary heat treating on specified parts using a variety of heat treating equipment. Set up and operate hydraulic press to produce mold cavities from master hubs and dies.
- Perform skilled bench work involving filing, scraping, grinding, lapping, polishing, fitting, timing, indexing, assembling and adjusting to achieve proper operation.
- Try out new, altered, or repaired dies and make any indicated adjustments. Make recommendations, where feasible, as to mold and die improvements.
- Perform maintenance and repair of machine shop equipment including the leveling of machines, rebuilding machines, changing belts, gears, bushings, bearings, lead, screws, etc.

- Detect unusual conditions, defective materials, or operating difficulties, and report to proper supervision.
- Maintain equipment and work areas in a clean and orderly condition.
- Work involves a wide range of difficult machine tool and bench operations requiring a high degree of skill and thorough knowledge of mold and die making practices and of the working qualities of rubber, making correct decisions as to fits, finishes, machining sequences essential to the production of workable molds and dies; working out details and maintaining very close tolerances and inter-relationships.

### **Group Leader Responsibilities**

- Daily job scheduling of Machine Shop employees.
- Daily communication with production supervision and engineering staff to assign priorities on repair and revisions of molds, dies, and components.
- Order tooling, mold steel, and components using the Oracle system.
- Communication with subcontractors, in the absence of the department manager, to procure molds, tools and components.

**EDUCATION:** Use shop math trigonometry, handbook formulas, charts, tables, complicated drawings, sketches, samples, a wide variety of precision measuring instruments. Thorough trades knowledge equivalent to formal apprenticeship.

**EXPERIENCE:** Over 5 years.

**INITIATIVE AND INGENUITY:** Requires considerable judgement to plan, perform unusual and difficult work where only general methods are available. Requires decisions involving considerable initiative and ingenuity. Plan, layout and perform a wide range of operations involved in the development and construction of new or used dies and molds.

**PHYSICAL DEMAND:** Light physical effort equivalent to occasionally lifting or moving materials of average weight.

**MENTAL AND VISUAL DEMAND:** Concentrated mental and visual attention in laying out and performing complex work to very close limits of high accuracy and quality.

**RESPONSIBILITY FOR EQUIPMENT OR PROCESS:** Improper set up and operation of machine tools may result in damage. Probably damage over \$25, but seldom over \$250.00.

**RESPONSIBILITY FOR MATERIAL OR PRODUCT:** Improper interpretation of specifications or faulty set up and operation of equipment may result in loss. Probably loss over \$250, but seldom over \$500.

**RESPONSIBILITY FOR SAFETY OR OTHERS:** Carelessness while handling tools or material, improper set up or operation, broken tools or flying particles, may result in lost time injury to others.

**RESPONSIBILITY FOR WORK OF OTHERS:** Responsible for own work.

**WORKING CONDITIONS:** Good working conditions. Exposed to some dust, dirt, oil, but not to extent of being disagreeable.

**HAZARDS:** Accidents while operating machine tools or handling materials may result in lost time injuries to hands, feet, or eyes.

**To Apply**

Contact Rachel Gordon

Human Resources Manager

Precix

Email: HROnly@precixinc.com

*The above is intended to describe the general content of and requirements for the performance of this job. It is not to be construed as an exhaustive statement of duties, responsibilities or physical requirements. Nothing in this job description restricts management's right to assign or reassign duties and responsibilities to this job at any time. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.*

*Acushnet Rubber Company, Precix is an equal opportunity employer dedicated to a policy of compliance with all federal, state and local laws regarding non-discrimination in employment.*