



<https://weiss-aug.com/job/mold-maker/>

Mold Maker

Description

The Mold Maker position prepares molds for production. Duties might include studying blueprints; determining required machine operations; and considering the finish requirements for a task.

Responsibilities

- Responsible for fabrication of tool components to within +/- .0001" of drawing/CAD geometry (where required) utilizing common tool & die and machine shop equipment such as: metal band saws, manual milling machines, drill presses, metal lathes and surface/form grinders.
- Fit and assemble complex molds from fabricated and purchased components using assembly drawings and/or CAD layouts.
- Analyze and correct problems with complex molds to ensure molded product is consistently produced according to drawing dimensions/specifications and at the required run rates.
- Document thoroughly any tool modifications implemented on the shop floor in order to produce a successful tool and/or improve its performance for subsequent updating of the Engineering database.
- Responsible for adherence to tooling project schedules and budgets as established by Project Engineering and/or Supervisor, Mold Maintenance & Repair.
- Setup and operate various styles and sizes of punch press equipment and ancillary equipment such as material payout/take-up reeling equipment, stock straighteners, oilers, degreasers, etc. for the purpose of debugging or sampling new or modified tooling. Such equipment may reside in either the Tool Room or Manufacturing areas; in the case of the latter, it may require the completion of Press Sheets to record press operation activity and Die Repair Forms to record any tool service provided.
- Provide technical assistance to Engineering regarding design and manufacturability issues throughout mold maintenance or repair.
- Assist in the design of fixtures, gages and other custom tooling or equipment as required.
- Assist Engineering with documenting tool setup procedures.
- Provide technical assistance to Manufacturing regarding equipment and process issues during debugging and qualification.
- Jointly responsible for successful transfer of tooling to Manufacturing along with Design and Project Engineering functions.
- Participate in Design Review and Lessons Learned (Post Mortem) Meetings.
- Provide both technical and physical support to tool room personnel on both fabrication as well as grooming issues.
- Must be capable of communicating and mentoring of apprentices in the operations of the tool room. Those activities to include but not limited to: operating all tool room equipment both correctly and safely, teaching of fabrication philosophies, cleanliness, blue print reading, etc.
- Strictly adhere to company Safety Policy and procedures.
- Maintain and operate all shop equipment in a safe manner and within the

Hiring organization

Weiss-Aug Group

Employment Type

Full-time

Job Location

6 Daniel Rd, 07004, Fairfield, NJ

Date posted

June 21, 2022

bounds of which the equipment was intended to operate. Safety guards/sensors are never to be compromised or short-circuited.

- Promote cleanliness and safety throughout the entire company.
- Other duties as assigned by Supervisor, Mold Maintenance & Repair or Molding Department Manager.

Qualifications

- At least 10 yrs experience fabricating, assembling, and debugging complex molds. Experience with high-volume tight-tolerance tooling preferable.
- Ability to debug complex molds, including the capability of diagnosing and addressing problems with related operations.
- Ability to read blueprints and other technical documents. Familiar with CAD software. Understanding of ANSI/ISO drawing standards and GD&T dimensioning preferable.
- Knowledge of metal stamping and/or injection molding industries and practices.
- Understanding of die sensors, vision inspection, and/or related technology is preferable.
- Knowledge of quality inspection tools and methods preferable. Capable of utilizing precision measurement instruments such as calipers, micrometers, gauge pins/blocks, height/depth gauges and comparators.
- Knowledge of tool steels and their applications including their heat-treated and tempered properties. Knowledge of carbide materials highly preferable. Knowledge of tool coatings/platings also preferable.
- Knowledge of commonly molded plastic resins.
- Good analytical and computational skills. Capable of performing shop mathematics including geometric and trigonometric calculations.
- Participate actively in a team-oriented environment.
- Capable of working independently with minimal supervision.
- Good verbal and written communication skills.
- Experience working in an environment having a registered quality system is a plus.

Education

- Requires a high school diploma or equivalent and successfully completed apprenticeship
- 2-yr technical degree strongly preferred.