

Toolmaker / Skilled Machinist

DEPARTMENT: Tool Room

ABOUT THE ROLE:

The Toolmaker / Skilled Machinist will be responsible for the set up and operation of computer numerically controlled (CNC) machines and machining centres to manufacture metallic and non-metallic parts for machines and tools. Supporting the repair, maintenance and improvement to tooling dies, jigs, fixtures and fitting for mould tools the skilled machinist will strip down moulds and carry out general / difficult repairs using precision equipment.

Working often independently, using mechanical knowledge and understanding of injection / rotational moulding, tasks will include programming and setting machine tools to produce parts to detailed engineering drawings, whilst monitoring cutting tool condition and using measuring equipment to ensure accuracy of parts. Under general supervision support new product introductions or projects.

RESPONSIBILITIES:

- Provide information, advice or guidance to other employees relating to tool room activities, communicating progress and requirements to relevant stakeholders.
- Evaluate condition and determine improvements needed in existing moulds, providing feedback to the Tool Room / Mould Shop team on repairs status and progress.
- Study blueprints, drawings, manuals and specifications or sample part to determine dimensions and tolerances of finished workpiece, sequence of operations and set up requirements.
- Measure, mark and scribe dimensions and reference points on material or work piece as guides for subsequent machining.
- Select, align and secure holding fixtures, cutting tools, attachments, accessories and materials on machine to machine parts.
- Calculate and set controls to regulate machining factors such as speed, feed, coolant flow, depth and angle of cut or enter computerised control information according to established guidelines and procedures.
- Start and observe machine operation to detect malfunction or out of tolerance machining and adjust as required.
- Verify conformance of finished work to specifications, using measurements and inspection tools.
- Set up and operate machine on trial run to verify accuracy of machine setting or programme control data.
- Disassemble, clean and re-assemble complex injection moulds.
- Conduct regular tooling repairs and maintenance, following preventive maintenance where relevant.
- Assist with major maintenance, tool refurbishments and modification of ancillary parts.
- Use expertise to undertake advanced lifting and slinging operations.
- Conduct mould trouble shooting as needed observing tool condition while cleaning and converting.
- Test and confirm electrical and hydraulic / pneumatic operation of tools before return to production.
- Use knowledge of stoning and polishing mould articles while keeping require shut off edges sharp.
- Be familiar with hot runner manifolds, hydraulics / pneumatic and insert changes.
- Take ownership of complex specific tool suite to develop and maintain performance.
- Use creativity: collaborate with other specialists, to ensure quick diagnosis of routine problems using effective troubleshooting.
- Support the Tool Room Team on any business improvement projects, through data analysis.

ABOUT YOU:

- GCSE grades level 5 or above (GCSE Grades A-C) in English, Maths, Science or Mechanical Engineering or relevant knowledge through work experience.
- Desirable; HNC level in technical subject or relevant knowledge through work experience.
- Robust knowledge and experience in computer numerally controlled machines.
- Experience of performing mechanical repair and maintenance activities.
- Knowledge of standard production and manufacturing techniques.
- Experience with interacting, across disciplines and teams.
- Motivation to maintain and improve mechanical standards.
- Experience of auditing materials / products and providing detailed reports.
- Ability to analyse problems and strategise for better solutions.
- Desirable; Knowledge in the use of 2D /3D CAD packages or similar.
- Desirable; Knowledge in use of overhead crane, grinding (surface & cylindrical) and enterprise risk management (ERM).

Closing Date: 10/06/2022

SALARY: £30,000 - £34,000 p.a DOE

How to apply: Please send your CV and Covering Letter to jobs@numatic.co.uk