



# SOMERS FORGE LIMITED

## JOB SPECIFICATION

JOB TITLE: Lathe turning & boring operator. (Heavy Engineering.)

REPORTING TO: Supervisor

DEPARTMENT: Machine Shop

SUPERVISORY RESPONSIBILITY: None, but all colleagues of the department are expected to supervise trainees and apprentices

JOB PURPOSE: To follow relevant company procedures & route card documentation to support production operations in the proof or final machining of components / test pieces. Finished components / test pieces will be required to meet the Quality acceptance standards & delivery timescales whilst ensuring activities are conducted in a safe, efficient & cost-effective manner, thereby satisfying internal business needs & customer requirements.

### MAIN DUTIES AND RESPONSIBILITIES:

- To be able to interpret 2D drawing, specifications & route card instructions.
- Plan & work out:
  - how to machine the various features of the component
  - the correct machine to carry out the task.
  - the most efficient order to carry out machining tasks.
  - how to set up / locate / clamp the workpiece (including centres, banding & steadies)
  - the correct tools for each stage of the operation
  - the correct speeds, feeds, lubricants & pressures
- Dimensional inspection & layout "mark off" of component prior to start of machining.
- Operate the machine(s) manually.
- When required, basic programming of machine using Siemens controls.
- Check / inspect component at various stages of sequence & final inspection to ensure quality standards are achieved.
- Trouble shooting & making adjustments where necessary.
- Deburring components and ensuring they are safe for material movement.
- Use of overhead cranes. (LOLER Training will be provided)
- Ensuring Machines & workplace areas are clean, tidy, and organised.
- General TPM activities, swarf removal, coolant routine oiling and greasing of machine etc.
- Monitor & maintain consumable stock levels e.g. boring lubricants.
- Carry out daily bookings against route card jobs and timings.
- Adhere to and encourage health and safety methods and procedures.
- Adhere to company environmental policy & procedures.
- Any other duties that maybe asked by team leader / manager that are within capabilities & Health & Safety parameters.

## REQUIREMENTS

- An apprenticeship or equivalent relevant experience.
- Min 2 years' experience in manual lathe turning &/or deep hole boring. (large scale machines preferred)
- The ability to interpret complex engineering drawings.
- Lifting and slinging capabilities.
- A full understanding of Health & Safety and the capability to work safely in a heavy engineering environment.
- The capability to understand and follow basic CNC programs (Knowledge/experience of Siemens language preferred)
- Character traits:
  - Patience
  - Good maths knowledge
  - Analytical thinking skills
  - Thorough / logical approach
  - Good attention to detail & hand to eye coordination
  - Ability to work on your own & make your decisions.

## PRINCIPAL ACCOUNTABILITIES:

- Ensuring component meets required Customer drawing requirements / Inspection surveillance fits. For example, on a 22 metre long component, tolerances of +/- .05mm are required on internal /external linear features & diameters along with surface finish requirements of 1.6µm.
- Machine(s) to be always cutting material unless machine breakdown or component changeover.
- Maintaining document & component/test bar traceability
- Machines & workplace are clean & tidy.
  - Machine table & bed to be clear of built-up swarf.
  - All tools not being used to be located on shadow boards / cabinet.
  - All cleaning tools to be stored on shadow board when not in use.
  - Lifting chains / slings / protectors to be stored on racks.
  - Leaks & spills within area to be addressed, including replacing & disposing of soiled absorbent mats.
  - Workbench surfaces to be clear & tidy at the end of the shift.
- Material movement to be conducted in line with laid down safety procedures.
- Report to Machine Shop Supervisor with any problems or issues when necessary. For example: any health and safety issues or machine breakdowns must be reported.
- Inspection of work. Any non-conforming processes must be reported to team leader or Manager.

## JOB CHALLENGES:

- Ensuring all colleagues are safe.
- Ensuring quality of components is achieved & to the required timescale.
- Developing the machining process to improve H&S, quality & efficiency.
- Ensuring traceability
- Improving the cleanliness & tidiness of the machines & work areas
- Supporting in maintaining the machine(s)

RELATIONSHIPS:

- Main: Machine Shop Manager, Machine Shop Supervisor, Shop Floor Operators & Fitters
- Others: Health and Safety Representative, Technical/Quality Department

ADDITIONAL INFORMATION:

None

APPROVALS

Role Holder: \_\_\_\_\_

Date: \_\_\_\_\_

Manager: \_\_\_\_\_

Date: \_\_\_\_\_