



# Example of Manufacturing Engineer Senior Job Description

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Our growing company is looking to fill the role of manufacturing engineer senior. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

## Responsibilities for manufacturing engineer senior

- Strong understanding of Mechanical Design software and industrial machinery capability constraints and how they impact fabrication and assembly of new designs
- Provide co-ordination of activities between maintenance, manufacturing and quality teams
- Develop methods to reduce overall plant costs, meet profit plan targets, improve inventory control, quality improvement methods, , using lean tools and Six Sigma processes
- Achieve quality, cost, and delivery goals by developing and applying Manufacturing Engineering practices, FAA policies, principles and procedures
- Aluminum forming, surface treatment and heat treatment development, new product quotes, tool fabrication quotes, first article development, configuration changes that involve cost estimation, computer numerical control programming for machining and forming applications, schedule coordination and process implementation
- Continuous process improvement via work instructions, statistical process control (SPC), engineering process changes and tooling design orders
- Participate on new product development teams working with R&D, New Product Development and Quality to provide Design for Manufacturability guidance on hardware electromechanical products, including fluid pumps, motor drivers and controllers which are used in conjunction with disposable devices

manufacturing

- Perform root cause analysis and develop corrective and preventative actions for quality systems and production issues
- Supervise technicians, associates, supervisors, and other engineers

### Qualifications for manufacturing engineer senior

- Identification, justification, and implementation of automated and semi-automated manufacturing methods
- Motivated to work on own initiative
- A Bachelor of Science degree in Engineering discipline preferably Manufacturing or Mechanical Engineering
- College degree in technical field preferably BS Mechanical Engineering or BS Manufacturing Engineering
- Must be willing and able to work flexible hours on any shift, weekends, and overtime as needed
- Interface with the ISI Accessory design team to understand product requirements and performance goals