



## Job Specification: Advanced Manufacturing Engineer

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### JOB SUMMARY

Morbark's Advanced Manufacturing Engineer position works as part of a team to maintain and improve processes and systems used in manufacturing. Advanced Manufacturing Engineers work under minimal supervision, independently prepare, conduct, and evaluate analyses for planning process implementation of new or modified product designs to the factory. The Advanced Manufacturing Engineer will also lead problem solving for manufacturing issues (production methods and procedures) in a specific function (including layout, production flow, tooling and production equipment, material fabrication, assembly methods and planning) in a Pre-Production, Production or Post-Production environment.

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### DUTIES AND RESPONSIBILITIES

- Perform technical analysis of manufacturing processes to support management decisions
  - Design / direct the acquisition, design, fabrication and repair of all necessary tooling and machines
  - Troubleshoot day-to-day process performance issues, develop solutions, and monitor improvements
  - Develop, evaluate and improve manufacturing methods, utilizing knowledge of manufacturing best practices, product design, materials and parts, fabrication processes, tooling and production equipment capabilities, assembly methods, test methods, and quality control standards
  - Validate process cycle times by conducting time studies
  - Provide day-to-day coaching duties in absence of team leader
  - Respond to customer issues and lead process improvements
  - Determine manufacturing time and cost of new assemblies; provide Production Managers with a labor quote
  - Work with suppliers to determine product specifications and conformance to quality standards, and arrange for purchase of equipment, materials or part
  - Effectively establish understanding and communicate with individuals at multiple levels of the organization, including shop floor and office
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### EDUCATION AND EXPERIENCE REQUIREMENTS

- Bachelor's degree, preferably in Engineering
- Lean Certification
- 3 – 5 years of manufacturing engineering related experience
- Experience working with 3D Modeling (Solid Edge, SolidWorks, etc.)
- Working knowledge of Geometric Dimensioning & Tolerance
- Ability to read/interpret engineering drawings
- Experience with ERP - preferred
- Prior experience working in a lean manufacturing environment
- Metal Forming/Welding/Fabrications experience in a manufacturing environment - preferred

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- Ability to work with a diverse group of employees and customers
- Good communication, interpersonal and teamwork skills
- Experience in conducting time studies
- Experience identifying and developing solutions to Safety, Quality and Velocity issues in a shop floor environment
- Thorough knowledge of manufacturing concepts
- Formal Problem Solving training/skills
- Demonstrated ability to lead courageously, maintaining a strong position amidst opposition to resolve important issues, and ability to navigate through complexity
- Ability to interact with all levels of the organization
- Business agility to manage complexity, change and uncertainty; flexibility; nimbleness
- Hands-on, energetic, and a “can do” attitude
- Honesty, reliability, and ethical nature

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**PHYSICAL REQUIREMENTS:**

- Unimpaired speech, hearing and sight (continuous)
- Postural changes such as sitting, reaching, climbing, standing, walking and lifting (intermittent)
- Ability to lift 50 pounds from floor to chest-high shelving

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**NOTE:**

This job description is general in nature and is not designed to contain or to be interpreted as a comprehensive inventory of all duties, responsibilities and qualifications required of employees assigned to the job.

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**COMPANY OVERVIEW**

Morbark, LLC, based in Winn, Mich., has been innovating and manufacturing durable, high-performance equipment for forestry, recycling, tree care, sawmill and biomass markets for 60 years. Morbark equipment helps customers harvest, process and convert wood and other organic waste materials into valuable, useful and profitable products. The Company produces a full line of whole tree and waste wood chippers, flails, brush chippers, horizontal and tub grinders, sawmill equipment, material handling systems and more. For more information, please visit [www.morbark.com](http://www.morbark.com)

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**HOW TO APPLY**

To apply for this position, please fill out our online application in the Careers section of [www.morbark.com](http://www.morbark.com).

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**CONTACT**

Human Resources at [jobs@morbark.com](mailto:jobs@morbark.com)