



**Beacon Industries (Newington, CT)** is now searching for a **Manufacturing Process Engineer** to develop new, and optimize existing processes, in the manufacturing of major rotating turbine engine components. The person in this role should have a keen eye for driving out inefficiencies and continuously improving upon every step throughout the manufacturing process. The ideal candidate will have a genuine passion for Aerospace Engineering, CAD/CAM software, advanced CNC machinery, and of course, Aerospace Manufacturing.

**POSITION SUMMARY:**

Responsible for the development, maintenance, optimization, and continuous improvement of the manufacturing process ensuring our customer's quality standards are met. Champions company values and goals reflected in the architecture of the manufacturing process. Optimizes the use of resources, and seeks out to eliminate inefficiencies in the manufacturing process. Works with the engineering team and collaborates and mentors manufacturing personnel to ensure accuracy and consistency in the execution of the manufacturing process at all times.

**DUTIES & RESPONSIBILITIES:**

- Analyze customer engineering drawings and documentation for materials, process and quality requirements.
- Develops technical documentation including overall process plan summaries and operation sheets, recommends new or revised tools or machines, and effect changes in all pertinent documentation.
- Applies manufacturing methods and procedures to the fabrication of parts and assemblies.
- Responsible for engineering change reviews including identification of cost reductions or increases, identification of tooling modifications required, determination of suitability of existing components – usable or obsolete to requirements and specifications, and updating the ERP system.
- Determines design and fabrication of tooling, fixturing, cutting tools and gaging; provides technical support and makes recommendations for modifications to existing tools and fixtures as improvements are identified.
- Performs root cause analysis and provides trouble shooting support to the manufacturing floor; recommends and implements corrective action to ensure non-conformances and continuous improvement of manufacturing process. Updates manufacturing process documentation as required ensuring consistency, repeatability, and quality of manufacturing process.
- Promotes, develops, and implements changes supporting Lean Manufacturing and Continuous Improvement initiatives Lead Six Sigma, Kaizen and other Lean Manufacturing programs and philosophies.
- Act as a liaison to other departments to coordinate product development as needed.
- Supports the process of identifying and qualifying vendors to assure the procurement of quality supplies.
- Perform related tasks to support estimating and scheduling activities and provides technical guidance.

**QUALIFICATIONS:**

- BSME or other 4 year technical degree and/or equivalent training and experience.
- 4 - 7 years related engineering experience in aerospace or other tight tolerance manufacturing environment and in designing tools, machining practices, and tolerance studies on parts.
- In depth knowledge of tool design/fabrication, manufacturing practices and techniques, and machining of aerospace-grade materials required. Experience with Broaching, Grinding, Turning, and 5-axis Milling machines preferred.
- Ability to generate operation sheets and tool drawings utilizing a 3D CAD system with advanced modeling experience. Proficiency working in Unigraphics (UG) NX software preferred.
- Computer literate with professional working knowledge of Microsoft Office programs and MRP/ERP systems.
- Critical thinking and comprehensive analytical skills, with professional communication and presentation skills.

- Possesses leadership qualities and an ability to collaborate in a professional manner with all personnel companywide.

**BEACON EMPLOYEES ENJOY:**

- Career opportunities in Advanced Manufacturing
- Friendly & Professional Work Environment
- Strong Compensation Packages
- Lucrative Shift Differential Pay for 2nd shift
- Generous Paid Time Off & Paid Holidays
- Excellent Health Benefits Package
- Plus 401K & Tuition Reimbursement

If you're looking to join a company that can give you the opportunity to work with a team of skilled professionals, state of the art machinery, aerospace-grade materials, and cutting edge technology....look no further. Our production team and machinists manufacture some of the most complex parts in our industry, and now you have the opportunity to join our team!

For consideration, please send a copy of your resume to [HR@beacongp.com](mailto:HR@beacongp.com) and complete the application process.

**ABOUT US:**

Beacon Industries has built its reputations within the aerospace industry for being a world class manufacturer of major rotating components, supporting turbine-engine OEM companies around the world. We manufacture and supply our customers with the most complex components, built to their exacting standards, by some of the most experienced people in the aerospace manufacturing industry - and this is the main reason for our continued success.

For over 65 years, our customers have trusted Beacon to manufacture their products. This trust and responsibility has been earned over the years by supplying quality parts, on time, and within budget. Beacon is able to provide this level of service due to its unique capacity in Broaching, Grinding, CNC turning, and (5 axis) milling supporting the manufacturing of small and large parts alike. We have an array of supporting services in-house which include Design, Programming, and Quality Engineering support.

In addition to and in support of our these resources, Beacon has a full complement of precision machinery and conventional equipment paired with an wide selection of in-house services which include CMM, FPI & MPI NDT Inspection, Spin Balance Testing, Shot-Peening, and much more!

Beacon Industries is a privately held, woman-owned company, and is a US DOD classified small business with NADCAP, ISO9001-2008 and AS9100C certifications.

Beacon Industries offers competitive wages and benefit packages plus 401K, tuition reimbursement, and second shift differential pay.

Beacon Industries is an Equal Opportunity Affirmative Action Employer. EOE M/F/D/V

Only those who meet the minimum qualifications will be contacted for an interview.

**Please, no telephone calls from search firms or headhunters.**