



BETE FOG NOZZLE, LLC
50 GREENFIELD STREET
GREENFIELD, MA
01301 USA

Design Engineer

Position Summary

The Design Engineer at BETE applies creativity and sound engineering principles to develop innovative product solutions for customers facing complex fluid spray process challenges across a wide range of critical industrial applications. This role contributes to continuous product and process improvement, supporting world-class manufacturing quality and customer service within a dynamic and growing organization.

Key Responsibilities

Participate in the full product development life cycle as a member of the Design team.

Collaborate cross-functionally with customers, Sales, Applications Engineering, Quality, R&D, and Manufacturing to develop effective solutions to spray process challenges.

Provide technical expertise to support manufacturing processes including CNC machining (alloys and polymers), investment casting, and welding of various alloys.

Design, develop, and test prototypes; analyze performance data; prepare technical documentation; and recommend design improvements for new and existing products.

Identify opportunities to standardize product lines, enhance performance, and reduce production costs.

Utilize advanced internal resources, including spray laboratory facilities, rapid prototyping equipment, and dedicated machining centers to strengthen the technical foundation of product designs.

Required Interpersonal Competencies

Strong verbal and written communication skills.

Ability to work effectively both independently and within cross-functional teams.

Technical writing proficiency, including preparation of project scopes, experimental reports, and design documentation.

Required Technical Skills

Demonstrated creativity, initiative, and engineering problem-solving ability.

Proficiency with 3D CAD software (Auto Desk Inventor preferred) and Microsoft Office applications.

Solid understanding of design-for-manufacturing principles and common manufacturing processes.

Ability to identify process improvements and resolve complex technical challenges.

Strong project management skills with the ability to manage multiple assignments and meet deadlines while maintaining high-quality output.

Preferred Qualifications

Knowledge of fluid dynamics and experience in research and development environments.

Familiarity with CAD/CAM manufacturing systems.

Experience with pressure piping codes and standards (e.g., ASME B31.3) and welded assembly design.

Performance Expectations

Demonstrated ability to solve problems and resolve conflicts effectively with customers, colleagues, and sales partners.

Capability to manage multiple responsibilities efficiently and accurately.
Advanced knowledge of assigned product lines.
Ability to maintain confidentiality and exercise professional discretion.

Education & Experience

Bachelor's degree in engineering or equivalent professional experience.
Prior experience in a manufacturing environment is preferred.

Payrate Range:

\$63k (min) - \$67k (max)

This job description is intended to describe the general nature and level of work performed by employees in this position. It is not intended to be an exhaustive list of all duties, responsibilities, or qualifications. Management reserves the right to modify duties as necessary to meet business needs.
Why Join Us?

Hands-on, team-oriented work environment. Cross training opportunities across departments. Overtime opportunities. Stable manufacturing environment with growth potential.

How to Apply

To explore current opportunities and submit your application, please visit our website at www.bete.com and navigate to the Careers section. You may also email your resume directly to hr@bete.com

*Please note that employment is contingent upon successful completion of a pre-employment drug screening and background check.


We are proud to be an Equal Opportunity Employer (M/F/D/V).

Benefits to working with BETE:

A competitive benefits package that includes: 401(k) Retirement Savings Program (including a company match), Health, Dental, and Vision Insurance. Flexible Spending Account and Dependent Care Spending Accounts. MA Paid Family Medical Leave, Employer Paid Life and AD&D Insurance(s), Voluntary Family Life Insurance; AD&D & Critical Care, Employee Assistance Program. Vacation Time, Sick Time, Float Time. Employee Referral Program, Tuition Reimbursement, Bi-Annual Discretionary Bonuses (June & December), 8 ½ paid holidays, and an on-site fitness facility.

History of BETE:

Founded in 1950 in Greenfield, MA, BETE operated as a family-owned business until 2024, when Matthew Bete's strategic partnership with EXAIR opened the door to significant opportunities and growth. BETE's established USA manufacturing and strong international presence continue to thrive with the support of our distributor network and growing subsidiaries in Germany and Europe. BETE's spray technology is used worldwide to optimize processes in various markets, including food, beverage, petrochemical, chemical, and pollution control. We manufacture tens of thousands of different products, including fog and misting nozzles, tank cleaning nozzles, material injection nozzles, custom spray lances, fabrications, and spray systems. We offer Advanced Spray Engineering Services to solve more challenging and critical problems, including the ability to perform CFD studies and physical testing.



Our decades of experience in spray design and applications engineering, combined with our CNC machine shop, foundry, and spray lab, are used to design, manufacture, and test our products. Our innovations improve sustainable operations in a broad range of industries. We listen to and partner with our customers to ensure the optimal solution for their spraying challenge.

