

Senior Product Development Engineer

Job Summary:

The Senior Product Development Engineer will create and implement efficient manufacturing instructions, design tooling and apply sound judgement and technical practices to develop complex investment castings for aerospace, nuclear and defense applications. The goal is to make castings that conform to customer specifications, drive speed to market and produce them profitably.

Role Description:

The Senior Product Development Engineer is responsible for overseeing all aspects of new part development, existing part maintenance, driving first part yield, optimizing production efficiency, designing tooling, gating systems, and collaborating with the customer and internal teams. This is a full-time role located in Marysville, WA.

As an experienced technical professional in the Aerospace Investment Casting industry, the Senior Product Development Engineer will be expected to assist the Engineering Director with leading and mentoring junior staff members.

Duties/Responsibilities:

- Strong knowledge of casting processes and metallurgy
- Knowledge of all of the following software programs: SolidWorks, ProCast and MS Office
- Extensive experience with CAD design, tooling and gating systems
- Experience in quality control and process optimization
- Ability to collaborate effectively with production teams
- Strong problem-solving and decision-making skills
- First-hand experience with risk management tools (PFMEAs)
- Strong attention to detail and accuracy
- Outstanding verbal and written skills.
- Prepare and present technical training topics to engineering staff.
- Collaborate with process and quality engineering to solve complex problems.
- Maintain knowledge of best practices in manufacturing methods, trends, and developments in technology and equipment to keep the organization competitive.
- Identify and assess problems and departures from established manufacturing standards and best practices; research and recommend solutions.
- Knowledge of safety protocols and regulations in foundry operations.
- Identify and assess problems and departures from established manufacturing standards and best practices; research and recommend solutions.
- Represent SeaCast through effective written and verbal communication during technical presentations.
- Implement methods and modifications to reduce production costs.
- Perform other duties as assigned.

Required Skills/Abilities:

- Strong Blueprint reading skills
- Can think on their feet
- Strong leadership skills.
- Bias for action
- Reliability
- Excellent verbal and written communication skills.
- Extremely strong time management skills.
- Strong analytical skills.

- Excellent organizational skills and attention to detail.
- Proficient with Microsoft Office Suite, Teams.
- Proficient with Solidworks.
- Proficient with ProCast Simulation software.

Education and Experience:

- Bachelor's degree in mechanical engineering, metallurgy, materials engineering, physics or chemistry required.
- At least seven years of Investment Casting Product Development/Manufacturing engineering experience is required.
- Must be able to access and navigate all areas in the facility and access all machinery.

Salary Range: \$110,000 - \$150,000 DOE

Equal Employment Opportunity (EEO):

SeaCast, Inc. provides equal employment opportunities to all employees and applicants for employment and prohibits discrimination and harassment of any type without regard to race, color, religion, age, sex, national origin, disability status, genetics, protected veteran status, sexual orientation, gender identity or expression, or any other characteristic protected by federal, state, or local laws. This policy applies to all terms and conditions of employment, including recruiting, hiring, placement, promotion, termination, layoff, recall, transfer, leaves of absence, compensation, and training.