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Product Engineer – IBC® Canada (Burnaby)

About Us

IBC Technologies Inc. is a leading manufacturer of high-efficiency boilers and water heaters for residential and commercial use in North America and a proud member of the Rheem Manufacturing Company family of brands. For over 25 years, IBC has been at the forefront of innovation in the heating industry.

Here at IBC, we operate on the basis of accountability, integrity, quality, openness, and teamwork. The strength of these values is apparent in our team members, who strive to live them every day. It is this culture that has allowed us to exceed customer expectations, outperform our competitors, build strong relationships and above all, have fun doing it with a lot of great people!

Position Title

Product Engineer

Position Summary

The Product Engineer works in our multi-disciplinary engineering team and will play a crucial role in developing our current and next generation of residential and commercial hydronic heating products.

Location: Burnaby, BC

Reporting to: Senior Director, Engineering

Essential Functions

- Enhance existing products and develop new ones through innovative design.
- Model and analyze products or components using computer-based analysis tools.
- Verify designs through the implementation of prototypes, instrumentation, and testing.
- Design, develop and improve product-specific manufacturing facilities, including assembly systems, automated processes, gauges, and test fixtures.
- Collaborate with the Manufacturing Engineer on resolving manufacturability issues of new products pre-production.
- Collaborate with the Test Technician on product standards testing and submission to accredited labs for product listing and authorization to apply certification marks.
- Collaborate with the Test Technician to develop and maintain a thorough understanding of all applicable product safety and efficiency standards.
- Achieve and maintain accreditation to independently conduct tests and complete reports.
- Manage project timelines, schedules, and budgets to complete critical tasks for new product launches.
- Performs other duties as assigned.

Qualifications

Education:

- Post-secondary degree in Mechanical Engineering, Quality engineering, Product Design Engineering or a similar field.

Work Experience:

- Previous experience in the design and development of new products and related project management.
- Previous experience working in a manufacturing environment.
- Previous experience guiding product manufacturability.
- Previous experience guiding and improving manufacturing and quality assurance process.
- Previous experience taking mechanical component designs through machined prototypes to full die-cast production parts.
- Previous experience in the HVAC/Hydraulics industry.
- Previous experience in gas fitting, gas combustion technologies and heating appliances would be an asset.

Knowledge, Skills, & Abilities:

- Significant working knowledge of Solidworks CAD design environment.
- Demonstrated knowledge of materials science, corrosion, and thermal performance.
- Working knowledge of industry standards organizations & certification processes: CSA, ANSI, UL, ASHRAE, AHRI.
- Knowledge of pneumatic control theory would be an asset.
- Ability to justify design decisions with calculations, analysis, and written documentation.
- Ability to systematically work through a problem and find creative solutions to issues.
- Excellent written/verbal communication, interpersonal and organizational skills.
- Able to work effectively alone and in a team environment given project time restraints.

Apply

We want to hear from you if you think there is a fit! To apply, please email your application to ibc.hr@ibcboiler.com with the job title in the subject line.