

Join Our Team

The recreational marine industry is in growth mode and Waterfront Brands is the premier manufacturer of waterfront equipment in North America, with offices in Fergus Falls, MN, Claremore, OK, and Fort Lauderdale, FL. The company's flagship brands include ShoreMaster, HydroHoist, and Neptune Boat Lifts; additional brands include Rhino Marine Systems, PolyDock Products, ShoreMaster Fabrics, RotoMoldUSA, and HyPower.

Product Design and Rotational Molding Engineer

This position is responsible for design and development of new products for Waterfront Brands' HydroHoist Boat Lift and RotoMoldUSA divisions. The Product Design Engineer will work from concept creation to full realization of new products as well as working to optimize production at Waterfront Brands' RotoMoldUSA facility. This position will require an experienced self-starter who can work independently, reporting directly to the Director of Engineering for Waterfront Brands.

Job Responsibilities

- Design of new products using 3D CAD modelling software.
- Work collaboratively with the product development team to develop new product concepts.
- Create streamlined documentation to support new product development. This will include CAD and 2D drawings, Bills of Material, and Operation and Instruction Manuals.
- Collaborate with tool makers on part design and mold requirements.
- Assist the Production Team with establishing appropriate production testing methods.
- Lead the product development effort on multiple projects; being able to manage time effectively and keep all stakeholders informed on progress and requirements.
- Interprets needs, objectives, and direction from multiple stakeholders and integrate feedback appropriately.
- Solve technical problems that may arise with regards to new or legacy products, working directly with outside contractors or dealers.

Job Requirements

- A BS in Mechanical Engineering, Plastics Engineering, or other applicable technical degree from a 4-year nationally accredited program.
- 3 or more years' experience using CAD software in a PDM environment; Solidworks heavily preferred.
- 3 or more years' experience in New Product Development; including specification of materials, manufacturing methods, and dimensioning and tolerancing.
- Experience with rotational molding manufacturing a must.
- Working knowledge of various other types of plastic forming technology preferred, including injection molding, blow molding, and thermoforming.
- Working knowledge of mechanical design using steel and aluminum; including FEA, stress cracking and fatigue, corrosion studies, and buoyancy calculations.