



Intellihot

Design Engineer Job Description

Position Summary

Design and develop 3D models and 2D drawings of complex mechanical systems in support of development and production release of Intellihot's tankless water heaters, boilers and other products. Build, assemble, test prototypes and fabricate lines. Hands on work and light fabrication experience necessary. Identify, develop, and manage select suppliers. Maintain a bill of materials and part numbers. Familiar with a variety of the field's concepts, practices, and procedures. Relies on experience and judgment to plan and accomplish goals. Perform a variety of complicated tasks.

Key Responsibilities:

1. Design and create 3D solid geometry models using Solid Works and Pro-e of water heater/boiler/HVAC components, assemblies, fixtures, and parts.
2. Generate engineering drawing with geometric dimensioning and tolerances. These drawings should be suitable to support machining and manufacturability of the components.
3. Develop and implement manufacturing processes. For example - BOM, assembly drawings, routers, quality control, etc.
4. Become familiar with appliance design, HVAC components, O-rings, piping, sheet metal, casting process, and machining techniques.
5. Build and test prototypes, new products, fixtures, or assembly processes.
6. Support product development activities related to tankless water heater, boilers, or similar devices in the HVAC field.
7. Utilize verbal and written communication to prioritize multiple tasks in a fast-paced changing environment and with strong attention to detail.
8. Support other team members toward achieving the company's goals and objectives.
9. Travel: 30% to suppliers (USA & abroad) and relevant industry trade shows
10. Other assignments as determined necessary by the company