

Job Description – Design Engineer

Company Summary

PRZ Technologies, Inc. designs and builds work holding, fixturing, tooling and special machines for the CNC machine tool industry. We rely on ingenuity and creativity to produce the finest components available. All PRZ Technologies employees possess self-motivation and a team spirit.

Organizational Information

Job Title: Design Engineer

Salary: Commensurate to ability

Hours: 1st shift, 40 hours + overtime as required

Merit raises, project based and year-end bonuses are often awarded based on performance.

Job Summary

This position requires print reading, organizational skills, and some office/computer skills. The environment is fast paced, due to short lead times and multiple product/projects with parallel time lines. Designer would report to the Lead Designer, but would be coordinating various phases of each project with design/purchasing as well as shop/assembly teams. There is heavy interaction between the Design Engineer and various teams, requiring good communication skills and a strong knowledge of machine tool and related fields.

Duties and Responsibilities

Be able to produce 3D models of assigned portions of a project build, given a concept design, and prepare assigned portion according to company design standards. Produce 2-D prints for manufacturing print packages, and produce 3-D models for assembly reference.

Job Requirements:

- Strong mechanical background in general, understanding of basic mechanisms and principals, hands on ability, a plus.
- Good vision of what a product will look like by interpreting concept designs.
- The ability to see the large picture and at the same time understand the details required to complete the product for delivery.
- Strong 3D design capability preferably in Solidworks. Good understanding of designing principles and software, 3D models to have sound design relationships, logical features and constraints, design with the ability to easily modify models and drawings. Designs must be "clean", with multiple criteria for ease of use, ease of assembly, ease of manufacturing, chip flow, weight and ultimate cost
- Review of part drawings, knowledge of tolerance specifications, GD&T principles and their application to specific parts and drawings.
- Knowledge of Excel, Word and QuickBooks, or equivalent
- Knowledge in use of materials as related to a given application.
- Basic knowledge of hydraulics and operating principles as applied to the work-holding applications.
- Knowledge of current cutting tool technology, limitations and effective application.
- Have the ability to plan, schedule, coordinate and problem solve.
- Must be able to communicate with vendors and team members effectively.
- Strong interpersonal skills.
- Ability to work in a team environment and comfortable with sharing and listening to others opinions and ideas.
- Ability to work with minimal supervision and demonstrate leadership skills.



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