

Vacuum Process Technology, located in Plymouth, Massachusetts, is a leader in the development and manufacturing of turnkey thin-film deposition systems, custom designed components and thin-film processes. Our long history in the precision optics industry and our growth in renewable energy creation and storage offer excellent opportunities to strong individuals seeking an exciting work environment. VPT has a culture of teamwork which generates continuous innovations.

## **Mechanical Drafter**

### **Job Summary:**

VPT is seeking a full-time Mechanical Drafter to join a growing team in a fast paced environment developing custom high-tech machinery for the vacuum based thin-film coating industry. The successful candidate will have strong working experience with SolidWorks and AutoCAD. Responsibilities will include solid model design, schematic capture, support for fabrication of designs and support of system assembly and integration.

### **Job Description:**

The Mechanical Drafter will perform all or some of the following key tasks:

- Model and Design mechanical components, sub-assemblies and systems in SolidWorks
- Develop schematic diagrams in AutoCAD
- Produce Bills of Material of internally developed and off-the-shelf components
- Component selection process through online means or direct interaction with suppliers
- Write clear, concise and thorough test procedures, technical specifications and manuals

## **Minimum Requirements / Knowledge / Skill for Mechanical Drafter Position**

- 3 or more Years of Mechanical Drafting / Design Experience
- Knowledge and Experience in Machine Design, Tooling Design
- Strong working knowledge and experience using Solid Works
- Working knowledge of fabrication and machining equipment capabilities
- Working Knowledge of AutoCAD required
- Experience with FEA software is a plus
- Working Knowledge of standard Microsoft Office applications
- Familiarity with design analysis and simulation tools
- Excellent written and verbal communication skills
- Familiarity with regulatory requirements, such as: NEC, UL, and CE
- Periodic Travel Required

## **Minimum Education Requirements / Certification / Licensure for Mechanical Drafter Position**

- Associates Degree in Mechanical Drafting or Relevant Work Experience
- BS Degree Preferred
- Trained or Certified in Machinery Safety Standards a Plus

Human Resources  
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