



Job Description Form

Division/Department:	Engineering
Location:	Boalsburg, PA
Job Title:	Mechanical Designer
Reports to:	Exec. VP of Engineering

Level/Grade	Type of position: <input checked="" type="checkbox"/> Full-time <input type="checkbox"/> Part-time <input type="checkbox"/> Contractor <input type="checkbox"/> Intern	Hours <u>40</u> / week <input type="checkbox"/> Exempt <input checked="" type="checkbox"/> Nonexempt Working hours are typically 8AM-5PM Monday through Friday. Overtime may be required from time to time.
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General Description

- Develop detailed design drawings and specifications for mechanical equipment, dies/tools, and controls, using computer-assisted drafting (CAD) equipment.
- Coordinate with and consult other workers to design, lay out, or detail components and systems and to resolve design or other problems.
- Review and analyze specifications, sketches, drawings, ideas, and related data to assess factors affecting component designs and the procedures and instructions to be followed.
- Compute mathematical formulas to develop and design detailed specifications for components or machinery, using computer-assisted equipment.
- Position instructions and comments onto drawings.
- Modify and revise designs to correct operating deficiencies or to reduce production problems.
- Check dimensions of materials to be used and assign numbers to the materials.
- Lay out and draw schematic, orthographic, or angle views to depict functional relationships of components, assemblies, systems, and machines.
- Confer with engineering, sales and production personnel to review schematics and answer questions pertaining to installation of systems.
- Supervise and train other drafters, technologists, and technicians.
- Lay out, draw, and reproduce illustrations for reference manuals and technical publications to describe operation and maintenance of company's equipment.
- Shade or color drawings to clarify and emphasize details and dimensions and eliminate background, using ink, crayon, airbrush, and overlays.

Work Experience Requirements

- 5-7 years minimum experience in mechanical design of products used in electronic systems
- Demonstrated proficiency with AutoCad (LT), Solidworks, etc.
- Demonstrated experience in producing practical and cost effective designs in line with manufacturer's capabilities
- Familiarity with thermal design concepts and solutions
- Clearly be able to work in a team environment.

GENERAL REQUIREMENTS

- Ensure tasks undertaken are consistent with safe working practices and adhere to the requirements of the Locus Microwave/Codan OHS&W System.
- Contribute to a collaborative team and work environment to achieve high performance, ongoing learning and improvement.
- Ensure business processes and tasks undertaken are consistent with the company's systems and procedures.
- Must be a US citizen or lawful permanent resident as defined by ITAR regulations.

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Education Requirements

- Associate Degree in drafting, CAD (or equivalent)

LIMITATIONS AND DISCLAIMER

The above job description is meant to describe the general nature and level of work being performed; it is not intended to be construed as an exhaustive list of all responsibilities, duties and skills required for the position.

All job requirements are subject to possible modification to reasonably accommodate individuals with disabilities. Some requirements may exclude individuals who pose a direct threat or significant risk to the health and safety of themselves or other employees.

This job description in no way states or implies that these are the only duties to be performed by the employee occupying this position. Employees will be required to follow any other job-related instructions and to perform other job-related duties requested by their supervisor in compliance with Federal and State Laws.

Requirements are representative of minimum levels of knowledge, skills and/or abilities. To perform this job successfully, the employee must possess the abilities or aptitudes to perform each duty proficiently. Continued employment remains on an "at-will" basis.