

Applications Engineer

Location: Windsor, California

About Micro-Vu

Micro-Vu designs automated 3D measuring machines. These machines use 3D software, image processing, precision mechanics and motion control, lasers, tactile probes, and 3D sensors to measure mechanical dimensions on various parts to accuracies of a micron.

Micro-Vu manufactures these machines in a highly-automated factory at its campus in Northern California. Customers purchase Micro-Vu machines to measure their parts for quality control and assurance. Cell phone manufacturers, medical device and aerospace companies, and many smaller industries use Micro-Vu machines in their facilities around the world.

Micro-Vu has 115 employees and is located in Windsor, California near the Russian River. Micro-Vu was established in 1959, and has become a leader in automated 3D industrial measurement. Engineers must be highly-motivated and passionate about bringing the best possible products and technologies to the market.

Job Summary

The applicant will be responsible for applying our products to customer applications. Tasks may include but are not limited to:

- Learning and understanding how Micro-Vu products and software are used by our customers
- Assisting customers in using Micro-Vu products and software for their applications
- Communicating with design engineers and acting as a liaison between engineers and the customer
- Understanding and applying manufacturing standards such as geometric dimensioning and tolerancing
- Creating and updating product introduction, explanation, instructional, and documentation content
- Participating in software and product development as a member of the design team
- Work with mechanical, electrical, firmware, and software engineers on design requirements and planning
- Review and test engineering designs and provide feedback for mechanical, electrical, firmware, and software engineers

Education

BS in Mechanical Engineering, or similar. Equivalent experience considered.

Minimum Qualifications

- Extensive experiencing using, teaching, or designing complex software applications
- Good understanding of manufacturing techniques and CAD
- Proficiency with drawings, tolerance analysis, and GD&T
- Problem-solving ability, quick learning, and attention to detail
- Ability to multitask, work independently and collaboratively in a team environment
- Proficiency with technical writing
- Excellent communication and interpersonal skills

Preferred Qualifications

- Experience with troubleshooting software or IT issues
- Experience using machine tools or similar programmable machines
- Experience with working internationally
- Knowledge of software and UX design principles, basic understanding of programming
- Knowledge of product design principles and general mechanical engineering
- Ability to design tests and perform statistical data analyses
- Experience with metrology or inspection
- Experience or education as an engineer