

# **JOB POSTING**

## **For BSEE and MSEE Graduates Only**

**ASML** is one of the world's leading manufacturers of lithography systems that help enable Moore's Law and the creation of increasingly powerful and capable electronic devices. Our San Diego-based light source division, Cymer, is renowned for developing both deep ultraviolet (DUV) lithography light sources and next generation extreme ultraviolet (EUV) light sources. We are a multinational company with over 70 locations in 16 countries, headquartered in Veldhoven, the Netherlands.

If you have a passion for technology and innovation you'll want to check us out. Be a part of ASML. Be a part of progress.

*One Company, One Goal, Limitless Innovation. It's our people that make the difference.*

### **Summary**

We are seeking Test Engineers to join our EUV System Test and Integration group. You will be part of an interdisciplinary team that tests and integrates our EUV systems for Development and Engineering. Our EUV light source consists of an intricate network of process gases, high power lasers, optics, electronics, mechatronics, and control systems. In this hands-on position you will have the opportunity work with all of these components and become a system expert. You will be the key to building a better product through testing, issue identification and resolution, and finding potential improvements.

### **Responsibilities**

- Performs tests, integration, R&D, upgrades, and qualification of EUV systems and their components.
- Aligns and maintains sensitive optics and high power lasers.
- Uses advanced HW and SW to operate, diagnose, and characterize functionality and performance.
- Gathers, correlates, interprets, and presents data.
- Solves problems through troubleshooting and leveraging available resources.
- Captures and drives the resolution of issues to ensure a quality product.
- Drives the improvement of procedures and processes.
- Works with stakeholders from different departments and builds a strong communication network.
- Responsible for maintaining a safe work environment.
- May be assigned to work non-day shifts or travel to customer sites to provide support as needed.
- Performs other duties as assigned.

### **Minimum Qualifications**

- Bachelor's or Master's degree in Engineering or Physics.
- Must have a minimum 3.5 GPA.
- 0-2 years of relevant experience. Exceptional recent college graduates considered.

- Strong engineering, technical, and physics fundamentals.
- Strong problem solving and troubleshooting skills.
- Self-motivated, inquisitive, and resourceful.
- Ability to make decisions based on benefit, risk, time constraints, and opportunity.
- Ability to multitask and prioritize, while staying organized and detailed oriented.

### **Preferred Qualifications**

- 2+ years of relevant experience.
- Experience with electronics, gas and vacuum, mechanical systems, lasers, optics, and controls.
- Experience using test equipment such as oscilloscopes, multimeters, signal generators, and power meters.
- Experience using tools such as calipers, torque wrenches, and hoists.
- Experience with Labview, Python, or Matlab.
- Knowledge of the semiconductor industry.

### **Physical Demands and Work Environment**

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Work is performed in a cleanroom with full gown, hood, gloves, boots, and eye protection.
- Routinely required to walk, talk, hear, lift, feel, crouch, reach, and stretch.
- The employee is occasionally required to move around the campus.
- The employee will occasionally lift and/or move up to 25 pounds.
- Specific vision abilities required by this job include close vision, color vision, peripheral vision, depth perception, and ability to adjust focus.
- The environment generally is moderate in temperature and noise level.
- Must be capable of working in the lab at floor level to 8 feet high with appropriate ladder.
- May require use of respirator apparatus.