



## Laser Manufacturing Technician

### Job Summary

AdValue Photonics is solving some of the world's toughest challenges through the application of peak performance laser light from practical and efficient fiber-optic platforms. Fueled by rapid growth in industrial materials processing, national defense, and scientific research markets, we are hiring for several key roles. By joining our team, you will directly impact our success and provide yourself a rare opportunity for professional growth.

We are seeking a dedicated Laser Manufacturing Technician to assemble, align and test high-power visible and infrared laser systems. The ideal candidate will be self-motivated, exquisitely organized, and highly collaborative. Working onsite at our Tucson, AZ global headquarters, your primary role is to build, align and test commercial laser products following work instructions and manufacturing procedures. This requires exceptional self-discipline and attention to microscopic details.

Your daily job duties include receiving and completing task assignments for the work period; gathering necessary tools, fixtures, parts and subassemblies to construct lasers; operating and aligning laser sub-systems while adhering to safety protocol; characterizing and recording performance data for full lasers; and accomplishing all laser unit documentation requirements.

### Duties and Responsibilities

- Assemble precision optomechanical and optical subassemblies while achieving production schedule, quality, delivery, and safety objectives
- Align high-value laser components with active high-power laser beams
- Test optical assemblies and full laser systems to ensure compliance to defined standards
- Assist in the completion of operations paperwork for proper processing and fulfillment of product orders
- Conduct quality checks on the functionality of parts and components
- Report on real-time status and conflicts to the production supervisor
- Optimize safety and production efficiency by properly maintaining equipment and workstation area
- Train and observe new or transferred employees
- Comply with internal policies and industry regulations
- Inventory, inspect and serialize incoming and outgoing parts for bills of materials
- Provide feedback to the engineering team regarding errors or omissions in existing designs and documentation
- Execute tasks on research, development and engineering projects as needed

### Requirements and Qualifications

- Must have verifiable ability with most of the following technical skills:
  - Aligning optical systems, especially laser beam paths inside machinery
  - Handling small, sensitive, and high-value components with due care
  - Handling and cleaning laser optics
  - Manipulating, cleaving, and splicing optical fiber

- Using laser measurement instruments
- Performing precision mechanical and electrical assembly with hand tools and light power tools
- Following complex transactional procedures
- Working in a cleanroom environment
- Physically able to lift items up to 50 pounds and walk, stand, lift, and reach for most of the workday
- Proficient with modern business computing environments and software, e.g., Windows 11 with Microsoft Office applications
- Able to prioritize work and succeed under the pressure of deadlines
- Strong written and verbal communication skills in English
- Technical or associates degree or 5+ years directly related experience
- Personally organized, energetic, reliable, timely, and detail-oriented

### Work Environment

AdValue Photonics is a small, advanced technology business where all employees must adapt to the needs of the organization and proactively bring creative solutions to daily challenges. We expect teamwork, diligence, and continuous improvement from all our staff. We develop and manufacture novel glass and laser products at our worksite. All employees must be willing and able to follow safety protocol, cleanliness standards, and product handling policies.

We are an Equal Opportunity Affirmative Action Employer and do not discriminate on the basis of race, religion, color, sex, gender identity, sexual orientation, age, non-disqualifying physical or mental disability, national origin, veteran status, or any other basis covered by appropriate law. All employment is decided on the basis of qualifications, merit, and business need.