



Job Posting

Position: Filter Assembly Technician

About Luxel: For over 53 years, Luxel Corporation has been a global leader in the design and manufacture of ultrathin freestanding polymer and metallized optical bandpass filters. Our expertise supports mission-critical applications in spaceflight, semiconductor EUV lithography, fusion energy and research. Beyond our core filters, we provide specialized polymer supports for microscopy and high-performance physical vapor deposition furnaces. What sets us apart is our relentless focus on refinement; pairing advanced technical design with world-class manufacturing to provide high-quality, reliable solutions for our global customer base.

Why you'll love working here

You'll join a dynamic, close-knit team of smart and driven professionals in a collaborative and uplifting environment. Our employees take immense pride in creating products that power cutting-edge applications in semiconductor microchips and in spaceflight satellites to advanced brain research applications. With an average tenure approaching 10 years, Luxel offers deep expertise, stability, and a culture where people genuinely enjoy working together.

Location: Friday Harbor, WA

Position Type: Full time. On site (no remote work option)

Schedule: Monday – Friday, 8:00 am – 5:00 pm

Pay Range: Hourly wage: \$28-33, DOE

Reports To: Director of Manufacturing

Benefits:

- Employer paid Medical/Dental/Vision insurance
- 401K – up to 4% company match, HSA, and FSA
- 12 paid Holidays
- Generous paid time off
- Quarterly bonus plan

Job Summary: A Filter Assembly Technician is responsible for assembling optical filters, other final products, and related components in accordance with engineering drawings, work instructions, and quality standards. This role involves precision handling of fragile ultra-thin films, epoxy application, curing, and inspection of products to ensure final assemblies meet all optical and mechanical performance requirements. This technician also prepares finished products and components for shipment, ensuring all items are properly labeled and packaged in accordance with customer and internal requirements. Working closely with Deposition Technicians and Metrology Technicians, this technician also helps maintain consistent production flow, product integrity, and on-time delivery.

Duties and Responsibility:

- Assemble optical filters and components per engineering drawings and work instructions
- Handle, clean, and prepare films with care to prevent contamination or damage
- Apply epoxies in precise quantities and perform curing operations per specifications
- Conduct visual and microscope inspections to verify assembly quality
- Maintain accurate assembly and inspection records for process traceability
- Package completed parts using appropriate protective materials to ensure safe transport
- Generate and apply proper labeling and documentation for outgoing shipments
- Coordinate with logistics personnel to prepare paperwork for outgoing shipments
- Cleaning, reclaiming, and preparing frames for final assembly
- General lab cleaning responsibilities
- Work with basic laboratory solvents and chemicals
- Prepare epoxies
- Track spare film inventory
- Maintain a clean and organized area and follow all safety, cleanroom, and quality protocols
- Communicate film needs to Film Processing Technicians and Deposition Technicians
- Communicate with Metrology Technicians when filters are ready for quality inspection

Managerial Responsibilities:

- None

Required Certifications and Licenses:

- Driver's License
- U.S. citizen or permanent resident

Required Skills:

- Excellent attention to detail and quality control
- Strong organizational, time-management, and documentation skills
- Computer proficiency in data entry and process documentation
- Ability to work calmly and with patience
- Ability to work quickly and accurately
- Ability to work collaboratively and willingly with co-workers
- Ability to work independently with minimal supervision

Physical Requirements and Other Skills:

- Ability to sit for extended periods of time
- Ability to work with a microscope for extended periods of time
- Ability to withstand repetitive hand movements
- Ability to work in a brightly lit lab environment
- Steady hand-eye coordination and fine motor dexterity for handling small, delicate parts
- Ability to work with solvents and epoxies
- Ability to lift up to 30 lbs occasionally
- Ability to use PPE when required
- Be comfortable working in a controlled manufacturing environment

Education and Experience:

- High school diploma or equivalent required. BS degree in a technical field preferred
- Detail-oriented manufacturing or laboratory work experience preferred

Qualifications:

- Experience working with hands, specifically tasks requiring fine motor skills
- Experience working with deadlines in a fast-paced environment
- Understanding of cleanroom and contamination-control practices

Luxel Corporation is an equal opportunity employer. We offer an outstanding work environment, competitive pay, and generous benefits including a bonus plan over the hourly wage.

If you are interested in joining Luxel, please email your resume and cover letter to Careers@Luxel.com with “Filter Assembly Technician” in the subject line.

The above statements are intended to describe the general nature and level of the work being performed by people assigned to this work. This is not an exhaustive list of all duties and responsibilities associated with this position. Luxel management reserves the right to amend and change responsibilities to meet business and organizational needs as necessary.