



Optical System, LLC

<b>JOB DESCRIPTION NUMBER:</b>	<b>JOB TITLE:</b> Metrology Engineering
<b>REPORTS TO:</b> System Test Manager	<b>REVISION DATE:</b> September 2022
<b>LOCATION:</b> 16490 INNOVATION DRIVE, JUPITER, FL 33478	
<b>SHIFT:</b> THIS IS A FIRST SHIFT POSITION	

**POSITION SUMMARY:**

The Metrology Engineer Manager is responsible for implementation and verification of all commercial and custom metrology platforms used to insure outgoing quality control of deliverable product. Engineering, Operations, and Quality will collaborate in troubleshooting efforts and resolution of build and testing challenges.

**RESPONSIBILITIES INCLUDE (BUT ARE NOT LIMITED TO):**

1. Develop instrument level alignment, compensation, and optical performance tests; track compliance and verification through design completion.
2. Define, design and develop optical metrology solutions including hardware engineering, test software implementation, and instrument qualification.
3. Collect and perform statistical analysis on metrology data to correlate to performance metrics.
4. Participate in the creation of manufacturing process and equipment qualification validation plans, validation protocols and reports, and their implementation.
5. Explore novel optical metrology technologies and work with suppliers on prototype development.
6. Works with Design Engineering to actively develop new manufacturing processes and equipment or modified processes and equipment in a regulated environment in compliance to ISO standards.
7. Designing test setups for first article/prototype verification and R&D programs. Training System Test personnel on these tests.
8. Provide assistance to the assembly department for troubleshooting on new assemblies/designs
9. Act as technical leader while interfacing between Engineering and System Test, and provide constructive feedback and assist in verifying designs to meet requirements.
10. Taking a lead role in troubleshooting, problem solving, failure analysis, root cause, and corrective action processes as part of the customer complaint and RMA process.
11. Mentor engineers and technicians in their trouble-shooting, repair and maintenance of alignment and metrology tooling.
12. Participate as an integral team member in the Risk Management process (DFMEA, PFMEA, CAPA, etc.) in accordance with ISO and global regulatory standards.
13. Performs all other duties as assigned.



**REQUIREMENTS:**

1. BS or MS degree in Optical Engineering, Physics or a related technical discipline.
2. A minimum of 3 years related experience, including but not limited to:
  - a. Industry relevant employment
  - b. Research Assistance experience
3. Required Intangible Assets / Attributes:
  - a. Professional and calm demeanor
  - b. Honesty, integrity, and trust
  - c. Detail oriented with commitment to excellence
4. Proven problem solving skills in a teamwork setting, with a strong desire for continuous learning and development of enhanced manufacturing systems knowledge.
5. Strong communication skills, both written and verbal.
6. In-depth knowledge of imaging optics, image quality metrics, optical metrology and characterization.
7. Experience in opto-mechanical design and simulation using Zemax, Code V, FRED or other optical design/simulation tools.
8. Working knowledge or training in Geometric Dimensioning and Tolerancing (GD&T).
9. MS Office proficient (Excel, Word, PowerPoint, Outlook).
10. Must possess the following "soft skills": Acts with Integrity, Attention to Detail, Clear Communicator, Goal Setting / Drives for Solutions, Prioritization/Multi-task, Problem Solver/Decision Maker, Self-Motivated, Team Player.
11. Must be able to comply with policies and procedures when visiting any facility outside of Jenoptik, such as customer, supplier, & manufacturer sites, as well as conferences, trade shows or off-site training.
12. Occasional travel (up to 10%)
13. In compliance with federal law, all persons hired will be required to verify identity and eligibility to work in the United States and to complete the required employment eligibility verification form upon hire.

**PHYSICAL REQUIREMENTS:**

The physical requirements 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.

While performing the duties of this job, the employee is occasionally required to stand; walk; sit; use of hands or fingers to handle, or feel objects, tools or controls and keyboarding; reach with hands and arms; climb stairs; balance; stoop, kneel, crouch or crawl; talk and hear.

The employee must occasionally lift and/or move up to 50 pounds.