



Edwards Vacuum Inc.

www.edwardsvacuum.com

Job Title: Test Engineer
Location: Chelmsford, MA
Manager's Job Title: NPI Engineering Manager

<https://career5.successfactors.eu/sfcareer/jobreqcareer?jobId=27121&company=atlascpcoP>

Purpose of the Job:

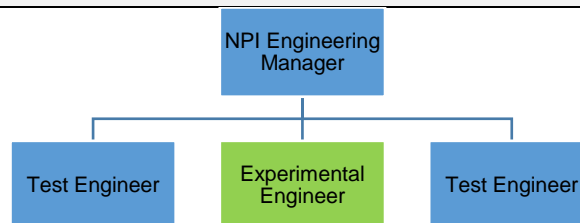
This role will be part of the engineering organization within CTIP, which under direction of senior engineering/R&D staff, is responsible for the setup and execution of custom test equipment and experiments.

Main Responsibilities:

Support engineering activities such as design, test, modification, fabrication, and assembly of prototype electro - mechanical systems in accordance with test plans and procedures:

- Lead laboratory testing activities by defining, selecting, and creating custom test hardware and equipment for product development, performance testing and failure analysis activities
- Drive complex assignments which require safely working with high pressure equipment, gas handling and manifolds, pumps, vacuum systems, compressors, manual & automatic valves
- Create test procedures based on the approved test plan from engineering project leads
- Create automated test setups with the data acquisition system that will support test procedure
- Execute and monitor the laboratory test
- Perform analyses of the test data to ensure that data is aligned to expected results
- Maintain documentation on results, communicate results to product development team, and assist in determining methods or corrective actions to address performance gaps
- Assist product development engineers in the diagnosis and replication of product failures
- Own calibration activities of laboratory equipment and ensure calibration records are up-to-date and schedules are followed
- Support lab safety audit with routine cleanup

Organization Chart:



Requirements:

- Associates degree/certification in Instrumentation/Electronics/Controls
- Bachelor's degree in Electrical Engineering / Mechanical Engineering preferred
- 3+ years hands-on experience in a laboratory or engineering testing environment
- Demonstrated understanding of working with schematics, diagrams, written and verbal test plans needed to perform testing
- Hands on experience with the use (setup, calibration) of common measurement devices such as power supplies, multimeters, flowmeters, thermocouples, pressure transducers, diodes (and similar)
- Hands on experience with using and setting up custom data acquisition hardware and software
- Experience with writing custom programs for automated testing using software such as LabVIEW (or similar) is highly desirable
- Excellent communication skills

Scope of the job:

- ✓ This role sits within Edwards Vacuum, the CTIP Product company in Chelmsford which is part of the newly formed Semi Chamber Solutions Division within Atlas Copco's Vacuum Technique business area.
- ✓ It provides a complete range of Equipment and value-added services for customers in a range of applications & processes, depending on the market.
- ✓ The customers vary from very large global accounts to small diffuse customers.
- ✓ The division provides products under the Edwards brands.



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