



Controls Engineer

PI (Physik Instrumente) is hiring a Power Electronics and Controls Engineer to work in our Air Bearing Assembly & Test department.

This is a hands-on engineering role that will work directly in our air bearing manufacturing department. You will be responsible for the application of motors, drives and high resolution optical encoders for our product line of high precision motion systems. Other duties include the power up, tuning and motion programming of integrated motion systems. Performance to customer requirements will be verified using a laser interferometer and other precision metrology tools. You should have a BSEE with Controls Concentration and strong software programming skills. An MS is welcome but not required. 0 to 5 years of experience. This position is based in Hopkinton, MA.

Full time regular role, Monday-Friday, 8am-5pm

- Only US Citizens or Green Card holders with permanent US work authorization can be considered as this position is governed by the regulations and guidelines of ITAR. Candidates must be able to produce evidence of the permanent ability to live and work in the US as an employment contingency.

Some travel to customer locations worldwide is required. Up to 6 trips annually.

PI (Physik Instrumente) is the world leader in high precision positioning systems. Our product lines include piezoelectric-based nanopositioners, motorized stepper and servo stages, and linear motor stages. Our customers are the leading OEM's and researchers in high tech fields, such as semiconductor, photonics, biomedical, aerospace, astronomy, metrology, and scientific research.

Key Position Requirements Include:

- BS in Engineering with a specialization in control systems is required
- Working knowledge of AC and DC power distribution, servo amplifiers and motors
- Experience with programmable motion controllers (ACS or Delta Tau) preferred
- Strong software programming skills required (Python, Matlab or equivalent)
- Excellent communication skills required
- 0 to 5 years of experience

Competencies Desired:

- Experience with electro-mechanical systems or automation equipment
- Understanding of motion control concepts (frequency response, closed-loop controls, and direct drive servo motors)
- Understanding of position sensing technologies for servo systems
- Experience with data acquisition and precision metrology equipment

PI offers a positive working environment that is team oriented and challenging. This position includes a competitive pay in addition to a very generous benefits plan including paid vacation and sick leave, medical, dental, vision, and company contribution to a 401K retirement plan.

PI (Physik Instrumente) LP is an Equal Employment Opportunity Employer/Protected Veterans/Individuals with Disabilities. This is a direct hire. No agencies at this time, please no solicitations. Job requisition 180212