Electrical Engineer for Motion Control

*Electrical Engineer specializing in Motion Control for high precision industrial automation systems.* 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, servo tuning and programming of integrated motion systems.
- Develop wiring schematics, cable drawings and circuit boards for signal interconnection and I/O handling.
- Some travel to customer locations worldwide is required. Up to six trips annually.
- Candidates must be able to produce evidence of the permanent ability to live and work in the US. This is an employment contingency.
- This position is based in Hopkinton, MA and is a full time regular position, Mon-Fri, 8am-5pm.

Position requirements include:

- 0 to 5 years of experience.
- BS in Electrical Engineering is required. An MS is welcome, but not required.
- Working knowledge of AC and DC power distribution, servo amplifiers, and motors.
- Strong software programing skills required (Python, Matlab or equivalent).
- Excellent communication skills.

Competencies Desired:

- Coursework or specialization in controls is highly desirable.
- Experience with programmable motion controllers (ACS or Delta Tau) preferred.
- Experience with electro-mechanical systems or automation equipment.
- Understanding of motion control concepts (closed loop servo control systems, frequency response, current mode motor control of brushless motors).
- Understanding of position sensing technologies for servo systems.
- Experience with data acquisition and precision metrology equipment.

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

About PI:

- PI is the world leader in high precision positioning systems: Nano Positioning, Micro Positioning, 6 DOF Hexapod Platforms. Our product lines include piezoelectric-based nanopositioners, motorized stepper, servo 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, scientific instrumentation, and scientific research in microscopy and beam lines.
- In addition to selling and servicing the motion products mentioned above, PI USA manufactures standard and custom air bearing motion systems.

PI (Physik Instrumente) LP is an Equal Employment Opportunity Employer/Protected Veterans/Individuals with Disabilities. This is a direct hire, no agencies.