



**Position Title:** ELECTRICAL/ELECTRONICS ENGINEER

**Company:** Pine Instrument Company (<https://www.pineinstrument.com/>)

**Location:** Grove City, Pennsylvania, USA

**Description:** This position encompasses new product design, development, test, deployment, maintenance, and technical support for a variety of products in two diverse fields - electrochemistry research, and asphalt materials testing. The position primarily involves analog and digital circuit design working with a team of electrical, mechanical, and software engineers to expand and develop products in these two lines.

### **Key Responsibilities**

This position encompasses new product design, development, test, deployment, maintenance, and technical support for a variety of products in two diverse fields – electrochemistry research and asphalt materials testing.

The position primarily involves analog and digital circuit design working with a team of electrical, mechanical and software engineers to expand and develop products in these two lines.

**Minimum Job Requirements:** Bachelor's degree in electrical engineering, or a closely related field.

Minimum of five years of analog and digital design experience in an industrial setting.

Experience developing both passive and active analog circuits, and high speed, high resolution, mixed signal circuits.

Familiarity with COTS stepper motors, servo motors, and motor drive products.

Experience with test equipment (oscilloscopes, logic analyzers, etc.) and good problem solving skills.

Experience with soldering and reworking printed circuit boards.

Block diagram creation, schematic capture and Bills of Material (BOMs) generation experience

Familiarity with circuit simulation.

Effective interpersonal, communication, presentation, and organizational skills.

Able to work independently.

Fluent in English language (verbal and written).

Valid USA driver's license and acceptable driving record.

Must be legally authorized to work in the USA.



**Preferred Skills and Experience:**

Experience with Altium Designer software.

Familiarity with SolidWorks software.

Familiarity with RoHS standards.

Familiarity with NRTL and CE product safety standards.

C or C++ programming.

Basic mechanical design skills.

Ability to design and specify cable assemblies.

**Working Environment:**

Pine's innovative products are found in government, academic, and industrial research laboratories around the world. As a member of our organization, you will be part of a progressive and close-knit team who enjoy working together to create excellent products for our customers. We provide a professional and dynamic work environment with the opportunity to expand your skill set. We offer a competitive salary and benefit package.

Normal office environment. 75% sitting; 25% standing, walking. Use of normal office, computer and associated equipment.

US and international travel (as determined): driving, air and other forms of transportation as necessary.

The chosen candidate will enjoy:

- A sound and well-established company
- A healthy work environment
- A competitive salary with excellent benefits:
  - Medical, Dental and Vision Insurance
  - HRA and FSA
  - Life, A.D.&D, Short-term disability, Long-term disability insurance
  - 401K Match and Profit Sharing
  - Educational Assistance Program
  - Paid Time Off (PTO)
  - Unpaid Time off (UTO)



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In order to comply with federal equal opportunity recordkeeping and other reporting requirements, PINE asks all applicants to provide us with certain demographic information. Providing this information is strictly voluntary and will be kept confidential and separate from any resumes or other material submitted. It will not be used in determining employment at PINE. In order to complete this document, go to [www.pineinstrument.com / Careers / Invitation to Self-Identify](http://www.pineinstrument.com/Careers/Invitation-to-Self-Identify) and follow the directions. <https://www.pineinstrument.com/self-identification-form/>

Thriving at PINE requires embracing Pine's Vision of Success: Lead with Compassion – Follow with Respect – Interact with Integrity – Labor with Diligence – Invest with Wisdom.

We are an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability or veteran status.

Applicants who do not meet the basic qualifications for the position will be not considered.