



## **Senior Electrical Engineer**

YES (Yield Engineering Systems, Inc.) is a leading manufacturer of high-tech, cost-effective equipment for transforming surfaces, materials and interfaces at the nanoscale. From startups to the Fortune 50, our customers rely on YES solutions to unleash products that change lives -- from cellphones and IoT devices, to AI and virtual reality, to diagnostic tests for COVID.

Our industry-leading vacuum cure ovens, chemical vapor deposition (CVD) systems, and plasma etching tools are driving innovation in a wide range of exciting and growing markets. We look forward to talking with smart, energetic, team-oriented people who can grow with us. We provide competitive salary and benefits (including employee stock ownership), a beautiful light-filled new facility in a central location, and some of the best co-workers you'll find anywhere. If this appeals to you, please read on!

### **Key Responsibilities**

- Design of 480v/208v power distribution, and thermal/system control.
- Specify and design multi-axis motion control systems.
- Modify or design electrical assemblies, layouts/schematics and/or detailed drawings/specifications of moderate scope.
- Electrical component selection, and cable/harness design.
- Troubleshoot a variety of complex electrical problems in engineering and production environments.
- Collaborate with System, Mechanical, and Software engineers to define design requirements, generate product specifications, and develop electrical subsystems.
- Define, coordinate, perform, and document engineering tests.
- Generate technical documentation for product release.
- Deliver full engineering package, and support manufacturing to ensure a smooth transition into mass production.
- Solve challenging engineering problems by characterizing components, designing/prototyping control systems, circuits, schematics, etc.

### **Required Qualifications**

- BS or MS degree in Electrical Engineering with 7+ years of experience.
- Experience in Industrial control and communication (PLC, EtherCAT, etc.).
- Thorough knowledge of design standards including (UL/CSA/FCC, S2/S8/F47/CE)

- Team oriented problem solver, with excellent organizational and communication skills.
- Proficient in AutoCAD, AutoCAD Electrical.
- Sound technical knowledge of electrical & electromechanical concepts and applications - components, schematics, electrical system, cable & harness.
- Experience with Engineering change management (ECR/ECO) process using PLM/ERP systems.

### **Preferred Qualifications**

- Previous experience in Semiconductor Capital Equipment industry preferred.
- Proficiency with EPLAN design software is a plus.