



Yield Engineering Systems, Inc

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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, 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!

Electrical Engineer

Key Responsibilities

- Modify existing or design new electrical assemblies for safe operations of power and systems. This includes layouts/schematics and/or detailed drawings/specifications of moderate scope.
- Gather features and functional specifications to plan, develop and integrate controls for multi-axis motion and wafer handling systems.
- Select and validate electrical and sensor components to commodity needs.
- Design enclosure interconnect wiring and cable/harness.
- Debug and assist with troubleshooting of a variety of complex electrical problems in engineering, production and field environments.
- Collaborate with system, mechanical, and software engineers to define design requirements, generate product specifications, and develop electrical subsystems. Use internal design reviews to gain acceptance of concepts and hardware acceptance.
- Define, coordinate, perform, and document engineering tests. This may involve qualification of systems to industry standards.
- Generate technical documentation for product release.
- Schedule projects within the assigned scope and keep projects on schedule.
- Deliver full engineering package, and support manufacturing to ensure a smooth transition into mass production. This may require travel to contract manufacturers or subcontractors to assist in ramp-ups.
- Solve challenging engineering problems by characterizing components, designing/prototyping control systems, circuits, schematics, etc.

Required Qualifications

- BS or MS degree in Electrical Engineering with 3-5+ years of experience.
- Looking for someone who is good with their hands as well as theory-based engineering.
- Mechatronics engineers with a strong emphasis in electrical controls will be considered.
- Experience with robot & wafer or flat substrate handling systems and components.
- Experience in industrial control and communication (PLC, EtherCAT, etc.).
- Thorough knowledge of design standards including (NFPA-79/UL/CSA/FCC, S2/S8/F47/CE)
- Team-oriented problem solver, with excellent organizational and communication skills.
- Proficient in AutoCAD, AutoCAD Electrical.
- Familiar with test tools such as Meters, Scopes, and data acquisition equipment.
- 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.
- Experience working with remote virtual meetings.

Preferred Qualifications

- Previous experience in semiconductor, solar, MEMs or industrial capital equipment industry preferred.
- Familiarity with SEMI standards for safety and performance.
- Familiarity with global sourcing and working with CMs.

Compensation

YES offers a stimulating and fun working environment, competitive salaries & benefits, and company stock options.

Additional Information

- Applicants must be currently authorized to work in the United States on a full-time basis.
- YES is an equal opportunity employer and values diversity. All employment is decided on the basis of qualifications, merit and business need.

Come find out why YES is such a great place to work. Apply today!