



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

As a preferred provider of wet and dry process technology, 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, and some of the best co-workers you'll find anywhere. If this appeals to you, please read on!

**Job Title: Mechatronics Engineer – Robotics and Motion Planning**

**Location: Fremont, CA**

**Key Responsibilities**

- Develop and optimize robot trajectories and substrate handling for high volume manufacturing equipment: wafer, panels, and other substrates
- Approach motion solutions development and problem solving analytically across all mechatronic assemblies within product portfolio
- Develop modeling capability to optimally balance throughput and reliability considerations
- Provide motion inputs to platform/architecture designers for upfront planning
- Serve as a company resource for technology trends in robotics
- Work closely with partners & suppliers for concurrent development as well as problem solving
- Develop end-of-arm tooling to ensure high-performance handling solutions

**Required Qualifications**

- BS or MS degree in Mechanical, Mechatronics or Systems Engineering or applicable technical degree/experience
- 3+ years' experience in mechatronics-related field with relevant motion engineering background
- Strong theoretical dynamics knowledge
- Team-oriented problem solver, with excellent organizational and communication skills
- Hands-on robotics experience

**Preferred Qualifications**

- 5+ years motion engineering experience
- Modeling experience (ex: Matlab, Simulink, Ansys, etc)
- Familiarity with firmware development and industrial communications protocols

**Compensation**

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

**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!**