



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, 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: Coimbatore or Bengaluru Electronics Park, India**

#### **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
- Develop and write application firmware, design motion profiles and trajectories
- 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
- 5+ 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**

- 7+ years motion engineering experience
- Modeling experience (ex: Matlab, Simulink, Ansys, etc.)
- Familiarity with firmware development and industrial communications protocols
- Knowledge/experience in these areas related to SCARA-type industrial robots

#### **Compensation**

YES offers a stimulating and fun working environment, competitive salaries and benefits, and long-term incentives.

**Additional Information**

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!**