



Senior Mechanical Design Engineer

Exciting opportunity to design and develop automated machinery for advanced manufacturing using robotics, vision, sensing, measurement, and control systems. Established, rapidly-growing factory automation equipment manufacturer is seeking mechanical design engineers. Creative, hands-on problem solvers will excel.

Job Description:

Design custom machinery for specific customer applications to improve their manufacturing operations. Engineers conceive the solutions for each application's unique problems, design the necessary machinery in SolidWorks, specify the manufacturing steps, choose purchased components, monitor construction, test systems, trouble-shoot problems, and assure proper installation at customer's site.

Systems frequently incorporate frame structures, motors, pumps, shafts, bearings, hydraulics, pneumatics, electro-mechanical sensors, electrical panels, wiring, enclosures, etc. Complex computer controls and programming developed in-house manage the customer's process. Mechanical engineers work with Electrical and Controls Engineering team members to integrate the complete system seamlessly.

Engineers manage each project through design, fabrication, assembly, testing, and installation. Courses in machine design, fluid mechanics, heat transfer, strength of materials, material science, kinematics, and dynamics will provide the necessary background.

Hands-on experience building or repairing machinery, such as farm equipment, automobiles, motorcycles, or the like may demonstrate a practical knowledge and understanding of mechanical and electrical systems as well as creative problem-solving skills.

Our team of creative, experienced design engineers provide a collaborative atmosphere to help generate ideas, solve problems, and supply feedback within the design



group. Consequently, entry level designers quickly acquire the knowledge they need to be successful.

Qualifications:

BSME or MSME

3D CAE/CAD

Practical, hands on experience working with machinery

Ability to manage complex projects, react quickly and creatively to solve unexpected design and manufacturing problems, work comfortably in a collaborative, team environment. Practical and hands-on experience working with machinery. Comfortable working with customers' engineering and technical personnel.

About Us:

South Shore Controls designs, manufactures, and installs turnkey factory automation systems with fully integrated hardware and software. Our staff of experienced engineers and highly-skilled technicians bring world-class automation to America's factories. We create:

- Industrial automation systems
- Integrated control systems
- PLC and software programs
- Certified industrial electrical panels and enclosures
- Industrial washing systems
- Field service and machinery installation
- Custom engineered solutions
- Custom machinery

South Shore Controls has a complete mechanical and electrical fabrication facility in Perry, Ohio with resources to engineer and fabricate automation control systems that streamline manufacturing operations.

Our equipment is used in industries such as:



- Food Processing
- Chemical Processing
- Rubber & Plastics manufacturing
- Paper, Film & Foil manufacturing
- Web Converting
- Primary Metals manufacturing
- Power Generation
- Water & Wastewater treatment
- Ash Handling
- Pharmaceutical manufacturing
- Building Materials
- Pigment manufacturing



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