



ESS Technologies – Mechanical Design Engineer

ESS Technologies has an immediate opening for a Mechanical Design Engineer with at least 3 years of professional experience, including a minimum of 3 years in direct machinery or equipment design. Working directly with senior leadership, systems engineers, and project managers this position will design and fabricate production ready equipment for the packaging industry.

Responsibilities include but are not limited to:

- Equipment Design (60%)
 - Customize existing equipment to meet client demands
 - Design and develop new equipment with the assistance of the latest 3D CAD software
 - Utilize the latest in robotics and automation technology to improve machine capabilities
 - Work with both project managers and clients to develop efficient process flows and line layouts
 - Collaborate with controls engineers to create seamless integrated systems
- Manufacturing Support (30%)
 - Create 2D drawing files, source vendors, and order parts to meet production goals
 - Develop drawings and procedures necessary for the assembly of equipment
 - Lend assistance as necessary on the production floor to meet strict timelines
 - Assist controls engineers in machine testing and troubleshooting
- Sales and Service Support (10%)
 - Assist technical writers in development of machine documentation packages
 - Revisit existing equipment to repair or improve processes
 - Travel to customer sites to evaluate problems or implement new solutions
 - Assist sales and marketing using expert knowledge to farther clients understanding of the advantages of company equipment

Requirements / Qualifications include:

- 3+ years' experience in machinery design;
- Working knowledge of pneumatics/hydraulics, AC/DC powertrain design, and servo controlled actuator design;
- Expertise in 3D design software, Autodesk Inventor experience is strongly desired;
- Working knowledge of 2D AutoCAD;
- Proven ability to support multiple projects simultaneously in a deadline driven environment;
- Must be a self-starter with the ability to work effectively independently and in large team settings to include close collaboration with program managers;
- Strong interpersonal, written, and oral communication skills;
- Bachelor's degree in Mechanical Engineering or equivalent experience in a related field;
- Located onsite in Blacksburg, VA.