



## **ESS Technologies – Mechanical Design Engineer**

ESS Technologies has an immediate opening for a Mechanical Design Engineer with at least 3-5 years of professional experience, including a minimum of 3-5 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 further clients understanding of the advantages of company equipment

### **Requirements / Qualifications include:**

- 3-5 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.



**Compensation and Benefits:**

- Base compensation will be competitive and reviewed annually. This will be based on successful performance and achievement of company objectives.
- Health insurance and major medical is offered.
- Company contributions for savings and investment plan
- Generous holiday and vacation schedule.

Please reply in confidence to Linda Browne at the following address:

ESS Technologies, Inc.

3160 State Street

Blacksburg, VA 24060

Phone: (540) 961-5716

Fax: (540) 961-5721

Email: [lbrowne@esstechnologies.com](mailto:lbrowne@esstechnologies.com)