

**Employer:** Valtrek Group LLC

**Job Location:** El Paso, TX 79936

**Job Title:** Sr. Mechanical Design Engineer

**Job Duties:**

Plan and execute the design of integrated systems, develop and test prototypes, and work closely with fellow engineers, technicians, and machinists to ensure that design specifications are met; create and maintain 3D models, assemblies and fabrication drawings using 3D CAD packages such as SolidWorks, using strong attention to detail and a creative flair. Will work with medical and pharmaceutical industry standards and validation processes; Design and detailing of fully integrated systems using SolidWorks; Create CAD models using AutoCAD, Microsoft Office, including part and assembly drawings, bill of materials (BOMs), and fabrication specifications ; Ensure the design adheres to the industry's standards, incorporating the latest standards and technology; Develop and build prototypes to test their function; Liaise with other engineers, designers, manufacturers, and project managers providing engineering support; Consult with fabrication teams during manufacturing, advising them on design specifications and providing physical assistance when required using English and Spanish; Assure system quality by designing testing methods, testing system capabilities, and confirming fabrication, assembly, and installation processes. Analyze and test existing machines to identify areas for improvement; Modify designs to correct operating and production issues; Prepare technical reports, design specifications documents, and operational manuals. Meet with clients and project stakeholders to review requirements and designs, and alter as needed; Conduct user research to identify consumer needs; Closely follow established design control procedures and documentation practices; Provide technical support to customers during validation process; Ensure conformance of machines to performance specifications, FDA, and applicable international regulatory and biocompatibility requirements

15% travel to Mexico to visit clients and manufacturing facility and clients within the US. Must be bi-lingual in English and Spanish

**Requirements:**

Bachelor's degree in Mechanical engineering or related engineering field, and 4 years' post bachelor's experience as a mechanical, design, or validation engineer.

**\*Specific skills and other requirements:**

Position requires 2 years of experience in the following:

- Working with medical devices in a design engineering role
- Working in SolidWorks, AutoCAD, and Microsoft Office
- Working with safety standards and environmental impact of a design
- Working with manufacturing processes validation including Factory Acceptance Testing/Site Acceptance Testing, development, and IQ/OQ/PQ
- Working in FAT preparation, execution, and final report preparation
- Working with RFQ, SOR, URS, and ERR preparation (request for quote, statement of requirements, user requirement specification, equipment requirement review);

**1 year of experience** working with statistical software packages (Minitab)

Must be bi-lingual in English/Spanish.

**Position requires 15 %** travel to Mexico to visit clients and manufacturing facility and clients within the US