POSITION SPECIFICATION

POSITION	Mechanical Engineer
COMPANY	CeQur Corporation
LOCATION	Columbia, SC
REPORTING RELATIONSHIP	Vice President, R&D

ABOUT CeQur® Corp

CeQur® Corporation develops and commercializes discrete, simple-to-use and wearable insulin delivery devices that easily integrate into patients' daily lives.

CeQur is dedicated to helping people with diabetes by developing and commercializing simple drug delivery devices that can be easily integrated into daily life. The company has a platform of an extremely simple, discrete, and wearable, 3-day device with the first-generation being FDA cleared and CE marked.

At CeQur, we aim to challenge the status quo mindset and provide solutions to people with diabetes that are profoundly simple and clinically effective. We are gaining tremendous momentum already, recently closed a very significant series C5 round of USD 115M and have built a leadership team and board that comprises of accomplished and respected industry experts. We are looking for like-minded A+ team players to join our team to help make a difference and build a legacy while driving penetration of our therapies.

CeQur values a collaborative and creative mindset, where each team member is encouraged to contribute to our processes, decisions, planning and company culture.

Job Description:

CeQur is currently seeking a hands-on mechanical engineer (junior or senior level) responsible for designing and developing complex mechanical drug-delivery systems. The work involves concepts development, prototypes testing, and successful transfer of designs for high-speed, high-volume automated manufacturing. The position will work closely with the manufacturing, supply chain, and quality teams to ensure that design specifications are met. To be a successful mechanical engineer, you should be mathematically and mechanically minded and have strong analytical and critical thinking abilities. You should be able to find creative solutions to technical problems.

Primary Responsibilities

- Hands-on execution of Design For Manufacturing (DFM) and design improvement projects.
- Develop designs using SolidWorks. Conduct tolerance stack-up.
- Develop requirements, test methods, fixtures, and conduct tests to verify designs.
- Conduct failure analysis on devices to determine root cause(s) and identify and suggest corrective actions.
- Create concepts and develop prototypes.
- Oversee the development of physical prototypes.

- Document the design process, iterations, and test analytics.
- Perform design transfer to manufacturing.
- Expert knowledge in two or more manufacturing areas: injection molding, extrusion, ultrasonic welding, laser bonding, thermal bonding, adhesive bonding, insert molding, coatings, polymer surface modifications, and 3D printing.
- Manage project timelines, resources, and budgets.
- Prepare technical reports and design specifications documents.
- Contribute to inventions, new designs, and techniques regarded as advances in the drug delivery systems.

Education and Experience

- Bachelor's degree in mechanical engineering. Advanced degree preferred
- A minimum of 2 years of experience as a mechanical engineer in the Medical Device, Pharma, Biotech, Automotive, or Aerospace Industry.
- Expertise in SolidWorks, GD&T, Minitab, and Microsoft Office suite.
- A six-sigma certification is a plus.
- Sound knowledge of design and engineering principles and best practices.
- Experience in the use of any commercial finite element analysis (FEA) software is strongly preferred.
- Strong analytical and problem-solving abilities.
- Exceptional time management and organizational skills.
- Excellent verbal and written communication abilities.
- Ability to work in a fast-paced, team-orientated start-up environment
- Travel 10-20%.
-