Lead Product Development / Manufacturing Engineering Position at FlexDex Surgical

FlexDex Surgical (www.flexdex.com) is an exciting medical device OEM built on a research and technology developed at the University of Michigan. The company, located in Brighton, MI, is developing and commercializing a suite of articulating laparoscopic instruments for minimally invasive surgery. Leveraging fundamental innovations in mechanism design and robotics, these affordable instruments provide enhanced dexterity, intuitive control, and ergonomics which so far, have been seen only in multi-million-dollar robotic surgical systems. FlexDex’s first generation needle driver was launched in the US in 2017 and has gained significant attention and praise at various surgical conferences since that time.

Quick Overview: https://youtu.be/q0pEYkMlzYE

Surgeon Reaction: https://vimeo.com/210646341

Wonderful Engineering claims that FlexDex has “Redefined the Essence of Robotic Surgery”.

Impact on Healthcare: https://vimeo.com/238057183

Surgeon Interview: https://vimeo.com/386141238

To help realize its vision, FlexDex Surgical is looking to hire an experienced Lead Product Development Engineer with a strong, diverse, background in product development, mechanical systems, and manufacturing. The candidate must have a strong understanding of processes related to product development, transfer of designs to manufacturing, and project management. In addition, experience and understanding the function of a quality management system is essential. The candidate will be responsible for releasing product designs, overseeing procurement of new tooling, and managing verification and validation testing.

Key requirements for the job include:

- Self-driven, passionate for technology innovation, motivated to work with a fast-pace team, and strong desire to make an impact.
- Bachelor’s or Master’s degree in Mechanical Engineering, Manufacturing Engineering, or equivalent
- Sound design insight, technical judgement, and problem-solving skills in mechanical systems
- Project management mindset to organize and prioritize tasks to meet deadlines.
- Strong hands-on mechanical skillset and understanding of prototyping and test techniques
- Strong foundation in engineering fundamentals such as statics, dynamics, and materials.
- Proficiency with SolidWorks, drawing creation, and GD&T
- Sound knowledge of mechanical engineering/design principles in linkages, transmissions, cable drives, cams, pulleys, shafts, fasteners, structures, etc. will be a plus
- Strong teamwork, initiative and communication skills is must
- 3 years engineering and project management experience; 5 years preferred.

By joining FlexDex, you will become a member of a high-performing team of individuals who are driven and passionate about developing product that will positively impact the health and wellbeing of our customers.

Applicants please email jobs@flexdex.com with a subject line of “Lead Product Development Engineer”. Please attach your resume and a cover letter summarizing your key skills and experiences at a minimum. You may also attach a design / project portfolio if you wish.

Candidate submission deadline February 28, 2020.