



Company: Kinematics, LLC

Location: 21410 N. 15th Lane, Suite 104, Phoenix, AZ 85027

Full time position

About Kinematics:

Kinematics is the world's largest designer and manufacturer of slew rings, slew bearings and slew drives for a host of industries, with a primary focus on the renewable power industry. KMI actuators provide motion to most of the world's solar trackers and the company is at the forefront of actuation technology in this fast-growing industry. Kinematics was founded in 1995, has 350 employees globally, is headquartered in Phoenix, AZ, with sales offices in North America, Europe and manufacturing operations in Jiangyin, China and Nogales, Mexico.

Job Title:

Senior Product Development Engineer

Reporting to: VP, Product Development

Position Location: Phoenix, AZ (strongly preferred)

Job Description:

Kinematics seeks a dynamic, interdisciplinary and hands-on senior hardware product development engineer at our Phoenix headquarters office to provide leadership to the global product development team and own the Phoenix based R&D lab facility and assets. This position will lead several high priority R&D and next generation product initiatives, working closely with the entire Kinematics team, including sales, operations, global engineering and host of 3rd party vendors and support staff.

The person we hire will have the following areas of key responsibility:

- Own and manage the Phoenix Test Lab (KVL) and collaborate with the China Test Lab and China based engineering team on new and existing products. Operate all Phoenix based test assets, such as our thermal chamber, drive testing equipment, specialized R&D test fixtures. Collect and analyze data to best practices, presenting findings to the wider team.
- Create and execute design of experiments (DoE) in support of R&D initiatives, using core principles of mechanical engineering, test electronics, data collection equipment and software for data analysis and reporting.



- Be a technical leader across a host of projects in parallel, within the Kinematics Product Development Framework. Self-organization, best practice discipline and self-motivation to move projects forward, complete tasks and create value are a MUST.
- Support the global product engineering team with development of continuous product improvement ideas from working with customers, product RMA, product testing.
- Be a proficient user of Solidworks to communicate product ideas to the global team, third part service providers, and customers.
- Support customer field engineering efforts from time to time, including customer visits and field application engineering.

Requirements:

- Mechanical engineering degree or equivalent experience.
- 5 years working with industrial mechanical systems or products.
- Can balance lab / hands on engineering with office / soft skills engineering.
- Strong engineering fundamentals, understanding of mechanical engineering principles of metallurgy, wear, etc.
- Solidworks or equivalent experience. SW Simulation is a plus.
- Data collection and analysis with Matlab and / or Excel.
- Understanding of GD&T fundamentals.
- Strong design of experiment fundamentals, understanding and application of the Scientific Method.
- Experience with mechanical test fixtures, sensors, data logging and data analysis.
- Experience producing comprehensive, formal engineering reports.
- Ability to travel occasionally in the USA and internationally.
- Gear focused education / experience is a plus.
- Gearbox teardown, analysis and reporting experience is a plus.
- Physically able to lift to OSHA limits.
- Ability to operate or receive training to operate a forklift.
- LEAN principles / organization.

Contact Kinematics:

Interested candidates should email their resume to torque@kinematicsmfg.com with the job title ("Senior PD Engineer") in the subject line. Thank you for your interest!