



## Senior Mechanical Design Engineer with Robotics/ Mechatronics

Acorn Product Development is an exciting place to work! We are at the forefront of innovation in product design and engineering for global manufacturability. Our 25 years of experience and expertise has allowed us the opportunity to partner with some of the most recognizable Fortune 100 & 500 companies and emerging start-ups to help bring their newest product concepts to life. Acorn focuses its design talents on consumer products, robotics, medical devices and networking products, and has offices in the Silicon Valley, Atlanta, Boston and China.

Here at Acorn, you will be among a team of passionate creatives and forward thinkers. Products are what we produce, however it is people and relationships that drive our business. Our collaborative approach to each project is not just a choice, it is engrained in our culture and fundamental to our success. We believe collaboration between dynamic people is the key to developing dynamic products that ultimately enhance the lives of dynamic people.

If you want to work as part of an outstanding engineering team, see your designs through from concept to finished product and be rewarded for your work, then Acorn Product Development has your next job! [www.acornpd.com](http://www.acornpd.com)

### YOU NEED:

- BSME required, MSME preferred
- Minimum of 5 years of technical system level design experience – including architectural definition through designing custom components and performing engineering analyses
- Mechanism design experience in 1 or more of the following markets:
  - Robotics, Consumer, Medical, Aerospace, Semiconductor, Automation
- Hands on Project Management of at least 1 full New Product Development cycle
- ME analysis experience in kinematics, structural, tolerance
- Proficient in CAD (Solidworks or Pro/E preferred)
- Experience with a full product development cycle, bringing at least one product design from conceptual design through volume production
- Subject matter expertise in at least one tooled volume production process
- Ambition and will to accept responsibility and establish a track record of achieving results for long term professional gains

### PLUS:

- Excellent communication skills
- Hands-on practical performance in shop/lab work
- Design for manufacturability (high/low volume)
- Project and Technical Reporting

### RESPONSIBILITIES:

- Design of robots! Lead a mechanical engineering team designing mechatronic products with multiple DOFs, mechanisms, and powered motion.
- Brainstorm, develop, and compare potential product architectures against client metrics.

- Identify and perform critical engineering analyses and tests from concept evaluations to production verifications
- Assist client to define product specifications, develop schedules, estimate resources needed
- Manage budget, schedule, timelines, and deliverables as primary point of contact with clients. Coordinate work with other engineers across multiple offices.