

Senior Mechanical Engineer / Principal Investigator

Hummingbird Scientific is a growing company looking for a Senior Mechanical Design Engineer to help organize and lead our engineering staff to produce a steady stream of engineering drawings for our precision micromachining operation.

As a key engineering leader, you will work closely with our Operations Director and production staff to lead the design, assembly, and testing of complex mechanisms. Although we design systems for electron microscopes you do not need this background to apply.

You need an enthusiasm for leading people, managing resources, and designing all things mechanical. You should be experienced designing with CAD mechanical stuff like bearings, gears, drive mechanisms, kinematic couplings, springs, etc. It goes without saying that you'll need superior project management skills to keep engineering projects on time, on spec, and on budget. You will be the kind of leader who leads by example and by the depth and breadth of your mechanical engineering excellence.

To apply, you should have the following:

- BSME
- 10-20 years design experience
- At least 7 years in progressively responsible engineering management positions. In fact, you are probably an engineering group manager supervising 10+ engineers looking to move up.
- Demonstrated engineering project management success (scheduling, resourcing, budgeting)
- 5 years experience with complex assembly design in SolidWorks or equivalent CAD programs (everyday use...not a casual user)
- PDM experience
- You should have made so many drawings you lost count of them
- Experience working with fabricators (machinists, welders, etc.)
- Experience with GD&T
- Physical dexterity to assemble and test small mechanisms, typically using an optical microscope
- Excellent written and oral communication skills
- Solid work history and solid references

Desired:

- MSME or PhD
- Proposal writing
- Background in designing high precision mechanisms
- Experience designing devices for vacuum systems
- Automation equipment experience
- Good understanding of electronics and electrical test equipment
- Experience with LabView

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Because we work very closely with a broad range of clients, we are also looking for strong communication skills in both casual and formal situations. You must be highly skilled in motivating employees and producing consistently excellent results. We place a very high value on initiative that results in continuous improvement.

Compensation: Our pay rates and benefits are very competitive. Please state your salary requirements if you desire.

Interested? E-mail us at career@hummingbirdscientific.com with the subject line “Senior Mechanical Engineer / Principal Investigator.”