

Mechanical Engineer/Precision Mechanism Designer

Hummingbird Scientific is a growing company looking for a talented mechanical designer to join our team. You'll work closely as part of our engineering staff and scientific staff to design and assemble complex mechanisms. Although we design systems for electron microscopes you do not need this background to apply.

What you *do* need is an enthusiasm for designing all things mechanical. Maybe in your current job you design tractors, logging equipment, process machinery or medical devices...we don't really care what you're doing now, as long as you're a gear head...what we value is a strong knowledge of how to put things together. You should be experienced designing with CAD mechanical stuff like bearings, gears, drive mechanisms, kinematic couplings, springs, etc.

Required: All candidates are expected to submit the following to be considered:

- 1) Portfolio of your work. Please provide this on a password protected website. (OK...so if you haven't done this before it's not so hard...just go to a free service like www.moonfruit.com and figure it out). Your portfolio should include non-proprietary drawings, models, and pictures of things you have built.
- 2) Your resume. Place this on your website.
- 3) References.
- 4) Salary History.
- 5) Send us a link and password to your site.

To apply, you should have the following:

- 5-20 years design experience (maybe you are a really experienced drafter or maybe you have an engineering degree or even a Ph.D.)
- 3 years experience with complex assembly design in SolidWorks (everyday use...not just 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
- Good written and oral communication skills
- Solid work history and solid references

Desired:

- Background in designing high precision mechanisms.
- Experience designing devices for vacuum systems
- Automation equipment
- Basic 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. We're particularly interested in people who can take a "big-picture" view, identifying problems and taking a detailed and thorough approach to building solutions. We place a very high value on using your brain, not just taking orders--we want you to tell us how we can do what we do better.

Interested?

E-mail us at career@hummingbirdscientific with your website url and password with the subject line "Mechanical Designer."