

Career opportunities: engineers and designers

Archipelago Technology is a small, growing, Cambridge-based company, founded in 2012. Our core technology is the Powerdrop non-contact coater: an innovative large scale ink jet printer that enables high throughput coating with low waste. Powerdrop's customers are able to coat their products at industrial speeds whilst keeping both their costs and their carbon dioxide emissions low.

Having installed machines with a number of customers we are now scaling the business while continuing to fine tune the core technology.

Accordingly, we are creating a number of roles for engineers and designers.

Going forward, the prime responsibilities are to design the Powerdrop coating system for manufacture and take Powerdrop into early stage, low volume manufacture.

The remuneration package will be competitive. Our team is small, friendly, and open to different working styles. The roles will be pivotal to our team.

Our ideal employee:

Will likely be an enthusiast who enjoys, and is good at, repairing old motor cars, building bikes to their own spec, and making robots. They will be happy to move between fields (for example, between mechanical and electrical engineering) as the need dictates; they'll be prepared to try things out; they will neither need nor want constant supervision; and, above all, they'll be proud of getting things to work.

Well, our technology is a good deal more sophisticated, precise, and cutting edge than an old car – but the above mentality is essentially what we're after.



www.archipelagotechology.com

Applicants will preferably have:

- An apprenticeship or an undergraduate degree in mechanical engineering or similar
- Conceptual design drawing abilities
- Proficiency in SolidWorks
- Three years relevant experience in an industrial environment
- Knowledge of pneumatics: designing pneumatic systems at system and device level
- Knowledge of materials and manufacturing processes: understanding of materials selection and manufacturing methods
- Practical experience of creating mechanical drawings and tolerancing
- Practical experience of machine tools: lathe and mill
- Practical experience of Additive Manufacturing for prototyping and small-scale production
- Knowledge of mechanical suspension and vibration management
- Familiarity with bearings and electrical drive systems
- Experience of designing moving mechanical mechanisms
- Experience of designing to cost
- Experience of working in small teams to defined timescales and budgets
- Hobbies that include drawing, photography, wood/metalwork, electronics, robotics, making music, stand up/theatre or team/sports/community organisation
- Demonstrated experience in a technical environment (whether this is a workshop, dry experimental laboratory, or wet chemical/biological laboratory)
- Public speaking and presenting skills



This role will require:

- Confidence in managing your own time and deadlines and taking ownership for ideas in a time sensitive scale-up environment
- Strong practical skills
- Clear, concise report writing skills
- Contributing candidly to both the conceptual thinking behind and the physical creation of detailed, high-quality products
- Strong conceptual, storytelling and artistic/design skills
- Effective, articulate design communication and decision-making skills
- The ability to communicate directly, build relationships with our clients and partners, and have the maturity to deal with potentially complex situations
- Presenting results to clients as a team and making presentations at conferences and shows
- Reporting to management and discussing strategy

We welcome online portfolios or pdfs of your previous (non-confidential) work.

To apply, please send – preferably by email – a covering letter (one side of A4 max.) and CV (two sides of A4 max.) to

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