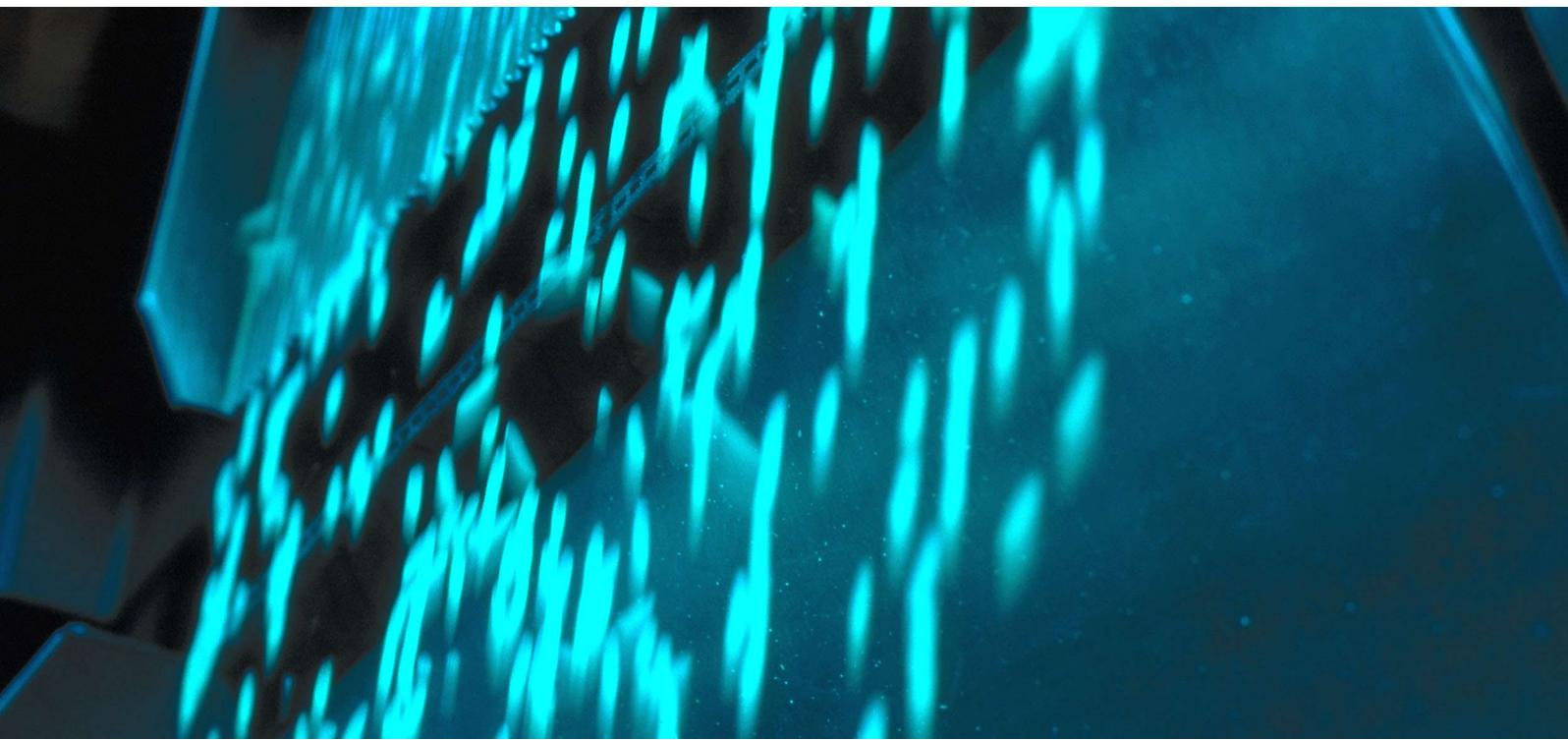


Bühler Sortex Student Placements 2014-15



Beer, chocolate and money.

In 1860, a Swiss gent named Adolf Bühler hired two staff and opened an iron foundry in Uzwil, Switzerland. After 16 years (and some heavy duty beard-stroking), he'd created the very first cast-iron flour rollers, retiring the mighty millstone.

Since then, we've patented over 6,000 inventions, from brewery equipment to cocoa refiners. 80 percent of the world's banknote inks are made using our technology.

With a multi-billion dollar turnover and locations in over 60 countries, Bühler is now a global market leader in manufacturing solutions. And, we're proud to say, still privately owned.

In 1994 we joined forces with Sortex, world leaders in optical sorting equipment. Coffee, nuts, spices, pulses, berries: you name it, they'd sorted it. Today, our Bühler Sortex machines use custom built line-scan cameras and ultra high-speed valves to remove defects from food before it's packaged.

We're looking for engineers and managers of the future to join the Research and Development department of Bühler Sortex. You'll be working with 50 professional engineers to design the next generation of optical sorting machines. You'll have a salary of £17,800, plus 25 days holiday and flexi-time working. And if you get on really well, we might even cover your university fees and find you a permanent desk.

In 2014-15 we're offering five placement schemes, one in each of the following disciplines: Image Processing, Software Engineering, Electronic Engineering, Mechanical Engineering and Applications Engineering.

We take our placement programme seriously: as a member of the department, your contribution will be as important as anyone else's. Our students are viewed as valuable engineering resources, not coffee mugs.

For details of each placement, read on.



Bühler Sortex Mechanical Engineer Placement

Job Description

You'll be fully integrated into a team of 20 mechanical engineers, working in a multi-disciplinary R&D department. You'll experience a wide range of practices; design and development of small projects, evaluation of concept and proof of principle testing, engineering change orders and legal/patent analysis. You'll get to know our CAD software, design parts and build 3D assemblies, prepare drawings for manufacture, and communicate with our in-house workshop and external suppliers.

Previous Student Projects

- Completing a comprehensive thermal modelling project of an electronics enclosure. This included preparing a power and thermal budget for the enclosure; assessing airflow paths and identifying 'hotspots'; assessing cooling options based on space/cost/performance criteria; building a prototype enclosure for evaluation; testing the prototype in an in-house environmental chamber; presenting results to the management team; and preparing recommendations for further improvements.
- Creating and developing a method for endurance-testing an electrical linear actuator. This included identifying the failure modes in existing design; preparing a test concept and associated mechanical test rig; completing a stress analysis of the rig structure; liaising with external consultants; producing detailed part drawings for external manufacture; assembling the test rig and verifying performance; and managing the introduction of the test rig and test procedure to the manufacturing team.

Skills and Requirements

You'll be studying for a degree (or equivalent qualification) in Mechanical Engineering or Product Design.

The size of the projects you'll tackle will vary, so you'll need to be able to work both independently and as part of a team. You'll need to be able to plan your work, estimate time-scales and work to deadlines. You'll also need to manage multiple projects simultaneously.

How to apply

Email your CV and a covering letter outlining why you're perfect for the job to hrukrecruitment@buhlersortex.com with "Mechanical Engineer Student Placement" in the subject line.

