KROHNE
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KROHNE Industrial Placement

KROHNE Ltd; have an exciting opportunity for a 12-month placement based at their centre of excellence for mass flow technology, located in Wellingborough, Northamptonshire.

Predominantly based in the Research and Development (R&D) Department at KROHNE Ltd; but also featuring valuable experience in the Production Engineering and Quality Engineering areas of the business, the successful candidate will have the opportunity to gain experience in the application of state of the art product design and development methods, such as Computer Aided Design (CAD), Finite Element Analysis (FEA), design for manufacture and assembly (DFMA), whilst being an integral team member of the project team working on one of KROHNE's high profile new product development projects.

The Company

KROHNE is a world-leading manufacturer and supplier of solutions in industrial process instrumentation. We employ over 4,000 employees globally across 16 production facilities.

While today being a global supplier for process instrumentation and automation, KROHNE started as a small enterprise a century ago and has advanced from an instrument manufacturer to a provider of industrial measurement products, solutions, and services. 2021 marked the 100th anniversary of KROHNE, and the aim of the new management team is to strengthen the foundation and to set the course for the next 100 years.

KROHNE Ltd. was founded in 1976 and is the Group centre of excellence for Coriolis mass flowmeter technology and conducts all its research and development and manufacturing operations at two modern manufacturing facilities in Wellingborough. In addition, KROHNE Ltd is also responsible for the sales and marketing for the complete KROHNE Group product range to the UK market.

Our Future

We are at the advent of a new industrial era. We will anticipate changing market needs, adapting our processes through modern tools and innovative technologies. To achieve these goals KROHNE are committed to supporting the next generation of Engineers. This programme is a key element of our strategy.

If interested, please send your CV with a covering letter to:

Daniella Stermasi – HR Department
KROHNE Limited • 34-38 Rutherford Drive • Wellingborough • Northants • NN8 6AE
Tel.: +44 1933 408 623 • d.stermasi@krohne.com

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Our Programme

Students must have completed the first two years of their undergraduate degree, with a minimum predicated grade of 2:1, by the time they start their placement and be returning to study after their placement.

Our 12-month placement opportunity is a chance to showcase your ambition and skills, with total support from a line manager and an industrial supervisor.
We also provide excellent benefits to support you through your placement including a salary of £24,500, 24 days annual leave, early finish on Fridays, and online training.

In R&D, we require a strong technical qualification in an Engineering focussed or related subject, such as Mechanical or Manufacturing Engineering.

Areas that are included within our placement year are: Research and Development, Production Engineering and Quality Engineering.

Overview of Placement:

Introductions and Induction Training	• Induction to KROHNE and the R&D Department • Health and Safety Induction • Company Introductions • Product Overview • Onboarding Training • KROHNE eLearning
Months 1 to 5 – Research and Development Department	• Introduction to, and commencement of, project work to be undertaken during the placement • Gaining basic skills required to fulfil the placement
Months 6 to 7 – Production Engineering	• Production Engineering project (4 Weeks)
Month 8 – Quality Engineering	• Quality Engineering experience to understand why quality is so important at KROHNE (3-4 weeks)

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Months 9 to 12 – Research and Development Department	• 8 Months based in R&D with continuation of focused 'Product Development' project work

Key aspects of this placement:

- A flow lab is available, equipped with flow rigs for various industrial scale flow experiments.
- A research lab equipped with 3-D printer, vibration shaker, environment chambers etc., for various research and prototype activities.
- A friendly, capable, and experienced R&D team, with a focus on personal development and skill specialisation.
- A culture of cross-departmental collaboration on research and development projects, with a strong support from management in assisting research alongside production.

What are we looking for?

- Students working towards a Bachelor's or Master's degree in an engineering or related subject.
- Demonstration of academic excellence at all stages throughout school and University education, with a passion for research and innovation.
- Strong interest in one or more learning tools that are commonly used in R&D Departments in industry, such as Computer Aided Design (SolidWorks) for drawing and 3-D modelling, ANSYS for finite element analysis, various data analysis techniques (Excel, MATLAB, etc.)
- Comfortable with undertaking hands-on work that is required in industry, such as conducting laboratory-based experiments.
- Technical curiosity, creativity, innovation, initiative, communication, and collaboration skills.
- Evidence of passion and achievements, teamwork in academic and/or non- academic activities, short work experience or internships are a plus.
- It would be preferable for students to have the ability to drive.

What we offer you:

- Hands on experience on Computer Aided Design software (SolidWorks), for various 3-D modelling of company products, components, and assemblies.

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- Hands on experience on finite element analysis (ANSYS) – including vibration (modal) analysis, stress analysis, heat transfer, electromagnetics.
- Hands on experience of 3-D printing (polymers) for fast prototyping.
- Hands on experience in laboratory activities including assembly and test.
- Experience of the full product cycle within an industrial environment, including design, manufacture, and quality control.
- The ability to have an impact on the business, working on key strategic projects and potentially influencing future business strategies
- Continuous coaching – you will work with passionate people, receiving both formal training as well as continuous mentoring from your supervisors, enabling you to grow in a diverse environment, developing your talents and ideas.
- Dynamic and respectful work environment – employees are at the core. We value every individual and encourage initiatives, promoting agility and work/life balance.
- Compensation & Benefits: you will receive a competitive internship salary as well as other benefits whilst you are with us.
- Job Recommendation: Successful interns may be recommended for hire for a full-time role with KROHNE Ltd. upon graduation.

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