

Job title: Software & Systems Engineer

Ultrasound Measurement Systems

Location: Dorchester, Dorset (UK)

Reports to: Software & Systems Manager

Type: Full-time, Permanent

About Precision Acoustics

Precision Acoustics designs and manufactures high-performance ultrasound measurement and characterisation systems used by leading research institutions and commercial organisations worldwide. Our products integrate precision motion systems, ultrasound hardware, and bespoke software.

We are a growing, technically focused company and part of a successful wider group, combining the flexibility of a small engineering team with the stability and support of an established organisation. We value engineers who are thoughtful, versatile, and interested in improving not just products, but also the processes used to develop and deliver them.

The Role

We are seeking a Software & Systems Engineer to join our Software & Systems team, contributing to the development of our ultrasound measurement systems and the continual improvement of our engineering and delivery practices.

The role is engineering-led, with a focus on software development, system definition, testing, documentation, and process improvement, alongside some involvement in customer-facing technical and sales support activities. You will work collaboratively across disciplines to translate requirements into high-quality technical solutions.

The role will be shaped around the strengths and experience of the successful candidate. We welcome applications from people of all backgrounds and experiences, and encourage you to apply even if you do not meet every requirement listed.

Key Responsibilities

Engineering & Technical Contribution (Primary Focus)

- Contribute to the design, development, and maintenance of software for ultrasound measurement systems
- Support system-level definition and specification of bespoke measurement and scanning solutions
- Produce and maintain clear, structured technical documentation (e.g. requirements, test plans, system descriptions)
- Contribute to testing, validation, and compliance activities
- Support structured technical support and investigation of technical issues when required

Agile Process & Team Development

- Help develop, embed, and improve **agile software development practices**

- Planning and prioritisation
- Issue, change, and version tracking
- Review and documentation practices
- Improve visibility, traceability, and organisation of technical work
- Support collaboration across software, electronics, and mechanical disciplines

Sales & Customer Interaction (Secondary Focus)

- Support management of sales opportunities through the CRM and pipeline
- Engage with customers to understand technical requirements and applications
- Contribute to technical proposals and quotations for standard and bespoke systems
- Act as a technical link between customers and internal engineering teams during pre- and post-sales phases

Essential Qualifications & Experience

- Bachelor's degree (minimum) in Physics, Engineering, Computer Science, or a related discipline
- Experience in software or systems engineering in a technical environment
- Strong written communication skills for technical documentation and specifications
- Ability to understand and work with complex, multidisciplinary systems
- Right to work in the UK

Desirable Experience

- LabVIEW development, or strong experience in other languages (e.g. Python, C/C++, MATLAB)
- Scientific instrumentation, automation, motion control, or measurement systems
- Agile software development and process improvement
- Exposure to customer-facing technical roles or sales support
- Experience working in small or multidisciplinary engineering teams

Skills & Attributes

- Comfortable working in a structured way and interested in improving how technical work is organised and delivered
- Able to balance engineering depth with pragmatic delivery
- Clear communicator who can work effectively with both engineers and customers
- Adaptable and motivated to help shape a growing technical team

What we offer



- Competitive salary, dependent on experience
- Company pension scheme and health insurance cash plan
- 25 days annual holiday plus bank holidays
- Patent reward scheme recognising technical innovation