

JUNIOR ENGINEER

The Company

Metrix NDT Limited (www.MetrixNDT.com) are experts in designing and supplying industrial X-ray inspection systems - digital radiography and computerised tomography. We look at particular application and inspection needs and provide help and advice in choosing the best option to meet your needs, whether it be a component, a turnkey system, or a bespoke design - hardware and software.

Job Description:

We are looking to recruit a Junior Engineer to work on innovative projects and solve real-world engineering problems producing bespoke solutions for industrial non-destructive testing equipment specialising in real-time x-ray imaging. The candidate is not expected to have previous experience of the x-ray sector and will be given training in the specifics of x-ray imaging, safety and regulatory issues as part of their role. We are seeking highly motivated people to join our small team who enjoy seeing projects from inception to delivery in a commercial environment.

This post would suit a flexible engineer who wishes to pursue a career in Mechatronics. Mechatronics is an interdisciplinary branch of engineering that integrates mechanical engineering, electrical engineering, electronic engineering, and software engineering.

Main Duties and Responsibilities

- Supporting engineers with mechanical CAD design and modelling
- Using schematic capture software for electronic and electrical systems ???
- Design, development and testing of mechanical components and electronic systems.
- Assist with the review and finalisation of models and designs produced by senior engineers
- Assist with the acquisition of materials and assemble prototypes systems
- Install and maintain mechanical and electronic tools, systems, and equipment.
- Be involved in the mechanical assembly of products
- Perform minor mechanical modifications to products
- Build electrical/electronic assemblies
- Generate and maintain Bill of Materials
- Assist with the management and be compliant to the company's requirements under HSE and other regulatory controls.
- Feedback to the technical team with improvement suggestions
- Punctual, professional and a company ambassador
- Manage own time
- Assist other business functions when not on site
- Assist other Group companies when required

Skills / Attributes:

The skills the successful candidate would possess will include most of the following:

- Good understanding and practical experience of mechanical CAD design and modelling (ideally with SolidWorks).
- Good understanding and practical experience of schematic capture software for electronic and electrical systems
- Be capable of the design, development and testing of mechanical components and electronic systems.
- Experience of 3D printing techniques and limitations.

Metrix NDT Limited

3 Aerodrome Close, SQ2 Bishop Meadow Road, Loughborough, LE11 5RJ, UK



<http://metrixndt.com/>



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- Be able to read and interpret mechanical drawings / CAD models and have practical hands-on experience of:
 - Mechanical assembly
 - Build to print
 - Capable of minor mechanical modifications, eg, drilling, tapping, filing, cutting etc
- Be able to read and interpret electronic and electrical schematic diagrams and be able to follow these schematics to build electrical/ electronic assemblies:
 - PCB build
 - Wiring looms
 - Cable assemblies
 - Electrical test and debug
- Proficient in Microsoft Office applications (Word, Excell, PowerPoint, Outlook, etc)

Desirable additional skills

- PLC programming
- PC assembly and test
- Pneumatics design and build
- Developing real-time engineering software (C++, C#, Python, etc)

General:

The company offers:

- Working from our modern offices in Loughborough (20 mins walk from mainline station or ample parking is available on site)
- Competitive salary dependent on skills and experience
- 24 days annual leave
- Further information on the company can be found at www.MetrixNDT.com and www.fairleygunngroup.com

To apply

Please forward your CV and covering letter outlining your suitability for the role by email to careers@fairleygunngroup.com

Working for MetrixNDT (part of Fairley Gunn Group) you will be part of a company committed to growth and future success demonstrated by:

- Year on year growth in turnover – thereby securing future business prospects
- Personal development for the workforce – creating continuous learning opportunities

You will join a team that have:

- an impressive portfolio of projects delivered throughout the world
- a core workforce of skilled people
- a vision for future growth and development
- a team dedicated to providing “total solutions” to our customers

Recruitment Agency Notice - We are not accepting unsolicited CVs from suppliers we have not appointed in writing. We explicitly reserve the right to add candidate details from unsolicited CVs to our own candidate database and to pursue/hire such candidate(s) without any obligation, financial or otherwise, to the agency concerned.

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