

TeraView

Mechanical Design Engineer

The Role, Technology and Market

We are currently looking for an experienced Mechanical Design Engineer to be based in Cambridge (Waterbeach) to design, develop and maintain TeraView product components.

Design remit:

- Working with development scientists to design and prototype components and sub-assemblies.
- Using CAD to model and scope potential designs.
- Working with purchasing to acquire parts to test.
- Using Engineering expertise to conceptualise and construct engineering solutions.

Manufacturing remit:

- Keeping BOMs, revisions and drawings up-to-date.
- Liaising with Manufacturing Team and Suppliers to define requirements and scope solutions.

THz applications in this area are growing for several reasons, including the growing need for clean, affordable energy from technology such as lithium-ion batteries where coatings are employed, as well as other drivers for high value coatings across a range of industries, including Automotive, Aerospace, Aviation, Semi-Conductor and new exciting emerging markets.

The Company

Established in 2001, TeraView Ltd is the world's first and leading provider of THz solutions to Fortune 500 companies in a variety of industries.

With an extensive Global market base including over 200 installed solutions. TeraView's vision is to establish THz as the premier imaging and inspection tool for the 21st century, comparable to the enormous success of X-Ray in the latter half of the last century, and more recently ultrasound.

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The Candidate

Essential:

- Minimum 5 years' experience as a Mechanical Engineer.
- SolidWorks.
- Special Purpose Machines.
- Automation mechanisms (e.g. ball-screws).
- Comfortable with engineering calculations (e.g. stress).
- Revision control of BOMs and drawings.
- Experience of Design for Manufacture.

Desirable:

- Optics experience/understanding.
- PCB design. KiCAD.
- Cable and wiring design, strain relief and cable control in motion (e.g. energy chains, robot dress packs etc).

Education:

- Minimum HNC in Mechanical Engineering.

Other characteristics required:

- An eye for detail.
- Ability to work at pace and with multiple stakeholders.
- Happy to work with a range of personnel from very academic to manufacturing and finance/admin.
- Confident to fit into an established working culture.

To apply for this vacancy, please send your CV and cover letter to jacob.samuel@teraview.com.
The candidate must be able to work without work permits or visas.

TeraView offers flexible working hours with an excellent salary and benefits package, along with the opportunity for staff to work together in a friendly, intellectually stimulating and challenging environment. There is a free bus service in both directions between the Research Park from Cambridge North Railway Station.

We are an equal opportunities employer and pride ourselves on our diverse workforce. For further information and background on the company, please visit our website on: www.teraview.com.