

## **Position: CFD Design Engineer**

Excellent opportunity for a highly motivated, ambitious and hands on individual, in a rapidly expanding Multinational Company based in Limerick

### **Job Description/Responsibility:**

- Part of the design department involved with creating new products or revising existing product lines
- Creation of 3D part models with associated drawings and specifications required for the production process
- Using Finite Element Analysis (FEA) software to analysis and redesign to reduce any inherent stresses within the system
- Using Computational Fluid Dynamics (CFD) software to test thermal build up within our devices and redesign to find ways of eliminating these issues.
- Creation of 3D assemblies to investigate the overall unit for functionality
- Responsible for producing and maintaining records associated with the design/test process
- Ability to design components with respects to ease of automated manufacture
- Assist in the development of prototypes

### **Requirements**

- Engineering Degree/Masters qualification within a relevant engineering discipline, such as Mechanical Engineering, Computer Aided Engineering and Design, with 2+ years experience in engineering office environment
- Qualification in 3D drawing software is a necessity, preferably SolidWorks
- Strong working knowledge of FEA software and principles is a necessity, preferably Cosmos
- Strong working knowledge of CFD software and principles is a necessity
- Proven track record of solving design issues by using results obtained from analytical software packages.
- Experience in a design/manufacturing environment is desired
- Excellent mechanical problem solving skills
- Ability to work on own initiative/as part of a team
- Ability to demonstrate good project management skills
- The successful candidate should be highly motivated, an excellent team player with strong communication skills

### **Contact details:**

NT-MDT Service & Logistics Ltd.  
NT-MDT House, National Technology Park  
Castletroy  
Limerick  
Phone: +353 61 333322  
Fax: +353 61 333320  
E-mail: [info@ntmdt.ie](mailto:info@ntmdt.ie)  
Web: [www.ntmdt.ie](http://www.ntmdt.ie) [www.ntmdt.com](http://www.ntmdt.com)