

## **Job Description: Process Development Engineer – Optics**

In order to maintain our leading position, we are recruiting for a graduate engineer/scientist to join our Process Development team for our next generation of polishing and metrology machines. Our development focuses on novel methods for manufacturing freeform optical surfaces.

As a Process Development Engineer, you will be responsible for the development of novel polishing techniques for highly complex surfaces. The daily challenges will be to develop robust procedures for the processing of many materials with challenging surface forms that will be used in a variety of high-tech applications. You will also liaise with new and existing customers to provide training and support for each machine that is built, and the process developed.

As a small, but growing company, no two projects will be alike and new techniques ideas will need to be adopted. Our client base industries include optical, healthcare, aerospace and the mobile phone industry. Projects range from high precision optics through to medical grade implants. The position will evolve around the candidate over time.

Continuous training will be given to introduce the successful candidate to Zeeko's Intelligent Robotic Polishing systems, as well as 5 axis CNC machines. The training will be conducted 'on the job' with live projects to ensure each training module is consistent with future projects and demands.

The appointee will most likely be engineering, physics or scientifically qualified to B.Sc., M.Sc. or Ph.D level. The following are highly desirable, but not essential:

- Knowledge of CNC machine control principles and operation, including industrial robots
- Knowledge of 3, 5 and 7 axis machines and be able to work with any type
- Knowledge of industry standard metrology for surface roughness and form measurements
- Knowledge of surface removal technologies (such as grinding, lapping, polishing and ion-beam)
- Experience of Optics and Optical Systems
- Understanding of CAD software (preferably Solidworks and RhinoCAD) and be able to read engineering drawings

The candidate must be:

- Self-motivated and keen to expand own knowledge as well as continuing to build the knowledge within Zeeko Ltd
- Have a keen eye for detail
- Be a motivated team player as well as a dedicated self-worker

The successful candidate will be familiar and comfortable with working in a focused engineering team with tight project deadlines.

The post is based at our Coalville headquarters in the East Midlands, and although the candidate will be based primarily in the UK, there is a requirement for worldwide travel dependant on the business needs.

Zeeko Ltd will offer a competitive remuneration for the right candidate.

Please send your application, including your Curriculum Vitae to:

HR Department  
Zeeko Ltd  
Vulcan Court  
Vulcan Way  
Coalville  
Leicestershire  
LE67 3FW

Or via email to:

[heather.horner@zeeko.co.uk](mailto:heather.horner@zeeko.co.uk)

Your application should state the post for which you are applying and should include appropriate career details. You should also state any special experience or reasons as to why your application will be of particular interest to Zeeko Ltd.

Within your application, please advise on your current notice period should you be appointed.