

Laser Application Development Engineer

[Apply Now](#)

Company: Brook Street

Location: Oxfordshire

Category: architecture-and-engineering

Laser Applications Development Engineer- Experience in laser processing and especially glass processing

We are looking for a highly skilled & hands-on engineer or scientist to join our R&D team. A varied role you will be developing advanced laser micromachining processes and related hardware. You will be expected to work with state-of-the-art DPSS laser systems, including ultrafast, using common industrial laser wavelengths (from UV to mid-IR) together with advanced motion control and beam scanning systems, develop and validate integrated beam delivery/control/instrumentation and metrology subsystems aimed at next generation laser micro-processing.

Graduate/experienced Engineer also involve some international travel.

Developing laser process techniques for specific applications and customer requirements

Experience in laser processing and especially glass processing which is what we are looking for

Contributing to R&D projects targeted at commercially valuable applications

Design, development, integration and validation of electro/optomechanical component

prototypes and other photonics modules to be used in our laser processing product range

Supporting the design, development and manufacture of customised laser technology systems, particularly during the integration and test phases of this process

Communicating new research findings to raise awareness within the company

To work in accordance with safety procedures

To work on other applications or be deployed to other parts of the business as needed

BSc degree or higher in Lasers/ Optical Engineering, Physics, Engineering or similar qualification plus equivalent practical experience. A laser related postgraduate qualification (MSc, PhD) an advantage.

Practical experience with laser applications development, ultrafast laser micromachining, GHz/MHz burst pulse processing or transparent material laser microprocessing (glass-glass and glass-metal microwelding, high aspect ratio zero kerf cutting/microdrilling, milling, in-volume marking) advantageous.

Precision laser micromachining

High-speed, high power laser processing with fibre or other DPSS lasers including ultrafast

Optical systems design, ray tracing analysis (ZEMAX or equivalent), alignment, machine vision for OEM integration

Tailored beam delivery including non-linear optics, adaptive optics, spatial light modulation, diffractionless beams, other beam shaping technologies

Laser beam characterisation, Wet laboratory techniques including chemical etching of glass

Laser glass microwelding characterisation (shear/vibration/hermeticity testing, thermal cycling)

Motion control hardware integration e.g. CNC tables, controllers, amplifiers, motors

Galvanometer & other optical scanners

Machine control software programming e.g. G-code, Aerotech Automation-1, CAD/CAM postprocessing

Proficiency in various programming languages ie: C++, MATLAB, Python, R

Image processing, Statistical data analysis

Experience with CAD mechanical design preferred

Integration and test of complex laser systems

Metrology, optical or confocal microscopes, SEMs, OCT, etc

Excellent communication, technical writing & presentation skills ,project management

Industrial experience preferred in laser or laser systems

Take ownership of their tasks and complete with best endeavours

Ability to work on multiple projects and manage own workload

Should enjoy working in an SME organisation where he/she has a considerable level of responsibility, but also needs to perform basic tasks on occasion. Willingness to support other aspects of the business

Our client is a privately owned, well-established laser technology company with more than 46 years history. It is a stimulating environment and work internationally with a diverse range of customers and applications at the leading-edge of our technology areas

Brook Street are proud to support the Armed Forces Covenant and as such, we guarantee to interview all candidates who are veterans or spouses/partners of military personnel, and who meet all the essential criteria for the vacancy.

As a Disability Confident Leader, and holder of the Gold Award status from the Defence Employer Recognition Scheme, Brook Street, as a supplier to the Public Sector Resourcing Framework (PSR), will offer you a guaranteed interview with a PSR Sourcer.

Should you identify as a candidate with a disability and/or as a veteran or spouse/partner of military personnel and meet all the essential criteria for the role, we encourage you to reach out to us via the Brook Street website. Here you will find a link to register your interest and state the role that you are interested in. We are committed to engaging with you.

In cases where we have a high volume of ex-military candidates/military spouses/partners, who meet all of the essential criteria, Brook Street will interview the best candidates from within that group

[Apply Now](#)

Cross References and Citations:

- 1. Laser Application Development Engineer Pilotjobsnearme Jobs Oxfordshire Pilotjobsnearme** ↗
- 2. Laser Application Development Engineer Londonjobscareer Jobs Oxfordshire Londonjobscareer** ↗
- 3. Laser Application Development Engineer Jobslibrary Jobs OxfordshireJobslibrary** ↗
- 4. Laser Application Development Engineer Managerjobsnearme Jobs Oxfordshire Managerjobsnearme** ↗
- 5. Laser Application Development Engineer Topfishjobs Jobs Oxfordshire Topfishjobs** ↗

6. Laser Application Development Engineer Taiwanjobs Jobs OxfordshireTaiwanjobs ↗
7. Laser Application Development Engineer Czechiajobs Jobs Oxfordshire
Czechiajobs ↗
8. Laser Application Development Engineer LuxembourgjobsJobs Oxfordshire
Luxembourgjobs↗
9. Laser Application Development Engineer Dohajobs Jobs OxfordshireDohajobs ↗
10. Laser Application Development EngineerSchooljobsnearme Jobs Oxfordshire
Schooljobsnearme ↗
11. Laser Application Development EngineerFilmjobsJobs OxfordshireFilmjobs↗
12. Laser Application Development EngineerReceptionistjobsJobs Oxfordshire
Receptionistjobs↗
13. Laser Application Development EngineerSouthkoreajobs Jobs Oxfordshire
Southkoreajobs ↗
14. Laser Application Development EngineerAccountingjobsnearmeJobs Oxfordshire
Accountingjobsnearme↗
15. Laser Application Development EngineerMinejobs Jobs OxfordshireMinejobs ↗
16. Laser Application Development EngineerTransportationjobsJobs Oxfordshire
Transportationjobs↗
17. Laser Application Development EngineerSchooljobsnearme Jobs Oxfordshire
Schooljobsnearme ↗
18. Laser Application Development EngineerSearcheruropeanjobs Jobs Oxfordshire
Searcheruropeanjobs ↗
19. Laser application development engineer Jobs Oxfordshire ↗
20. AMP Version of Laser application development engineer ↗
21. Laser application development engineer Oxfordshire Jobs ↗
22. Laser application development engineer Jobs Oxfordshire ↗
23. Laser application development engineer Job Search ↗
24. Laser application development engineer Search ↗
25. Laser application development engineer Find Jobs ↗

