



Senior Technician

ProPhotonix Limited, Hatfield Broad Oak, Hertfordshire, U.K.

The Company:

ProPhotonix is an expert designer and manufacturer of laser and LED systems for OEMs (Original Equipment Manufacturers) across a wide range of applications including machine vision, UV curing, medical equipment, and security applications.

Established in 1951, ProPhotonix is headquartered in Salem, New Hampshire, USA, and has ISO-certified production facilities in Cork, Ireland, and Essex, U.K. At our Cork facility, we design and manufacture LED lighting for a diverse range of applications. At our UK facility, we design and manufacture diode laser modules and systems for applications including inspection, sorting, patient alignment, and industrial. We are an SME looking to grow market share in our key markets.

The Role:

Due to continued growth within our teams at ProPhotonix, we are looking for a Senior Technician who can provide support to our R&D and our Production departments.

The role is considered to be company-wide where you will be engaged in building and testing of ProPhotonix products under the direction of the production or engineering management team.

This is a hands-on role that requires you to support production or R&D engineers and technicians with the assembly, test, and troubleshooting of new and existing laser module designs, including products and tasks that are more complex.

It is imperative that a flexible approach to the role is taken due to the advanced nature of the work.

The Senior Technician is expected to have several years of experience in an appropriate field involving the build and test of products similar in nature to the laser modules ProPhotonix produces. To be capable of using that experience to guide others and be proactive in the build, test, and improvement of ProPhotonix products.

The areas of responsibility include but are not limited to;

- Carrying out the build and test of laser modules developed along with the Production and R&D engineers in a timely manner.
- Undertaking the mechanical, electronic, and optical build and testing of complex laser modules when limited, or no specific instructions may be available.
- Where appropriate, performing modifications to electronic PCBA's.
- Using experience, make suggestions as to how a design might be altered to meet the required specification.
- Being capable of offering appropriate guidance to Production and R&D Technicians on how build and test processes are to be performed.



- Being capable of operating appropriate test and measurement equipment with minimal supervision.

The required skills for the role are;

- The capability to take a kit of parts, specifications or specific instructions, to allow the setup and build of modules.
- Ask appropriate questions to allow build and test tasks to be completed.
- The ability to locate and setup required build and test equipment required for the job.
- Proof of ability to solder to a good standard.
- Verifiable experience using laser beam profiling equipment such as BeamMaster, Spiricon and DataRay equipment.
- Demonstratable knowledge of the use of electronic test and measurement equipment such as oscilloscopes, pulse generators temperature-controlled plates etc.
- Ability to work with fibre optic products.
- Ability to understand and follow detailed work instructions, gathering relevant data.
- Adaptability to the changing status that occur during a production or development process.
- The use of task management tools such as Teamwork to allow the communication of tasks and recording of results.
- Good organization and attention to detail.
- Ability to use standard tools associated with light electro-mechanical assembly.
- Fault finding.
- Excellent hand-eye coordination.
- Good communication skills, verbal and written.