

A **PEAK**  gas generation brand



“ The  
innovation  
and **skills** of  
our people  
drive our  
**global**  
**success.** ”

Graduate **Engineer**

November 2020

Welcome to

**PEAK**  
SCIENTIFIC



# Welcome to **Peak**

Hello and welcome! I am Robin MacGeachy, Chairman and Founder of Peak Scientific. I would like to start by thanking you for your interest in Peak.

Peak Scientific is a fast-growing global company specialising in laboratory gas solutions for analytical labs. Peak has come a long way but thanks to the exceptional talent and commitment of our people, we are now market leaders in gas generator technology.

Our story has very humble beginnings. We started in a leaking shed in Linwood, just outside Glasgow in 1992. From then on, myself, together with a small team, first established Peak Scientific in 1997 as a manufacturer of gas generators. Now, close to where we began, headquartered in Inchinnan, Peak Scientific is the global market leader of on-demand gas generators with offices in over 20 countries and over 500 team members.

As our business grows, we are looking for highly motivated and ambitious engineering graduates who can contribute to our ever-advancing technology. At Peak, we invest in the development of talented people - people like you. Together, we can continue developing solutions for the future of our industry.



**Robin MacGeachy** Founder & Chairman



# About Peak Scientific

With over 20 years' worth of experience in innovating gas generator technology, Peak Scientific is the world leader in the manufacture and support of laboratory grade gas generators, providing highly reliable and robust solutions, mainly for LC-MS (Liquid Chromatography – Mass Spectrometry) and GC (Gas Chromatography) applications. All of our gas generator products are manufactured at our HQ here in Scotland where we also house our high-tech Research & Design facility.

At the core of everything we do is providing our customers with unrivalled peace of mind with our high-quality gas generator solutions, tailored to the specific laboratory demands of each and every customer.

## Our Values

Our values are structured around our people, our customers and our service. The work atmosphere we create is fun, friendly and informal, but we never lose sight of our priority which is always on delivering successful outcomes for our customers. These company values are what inform and protect our unique culture, which in turn shapes our brand and capabilities to deliver exceptional product design.

**Respect the individual.** Customers, suppliers and colleagues

**Freedom with responsibility.**

**Restless.** Constantly striving for improvement.

**Fun and Passion.** Pride and enjoyment in what we do.

## Our People

We are a family-owned business and just like in any other family, our people hold a special place at the heart of Peak. The dedication and enthusiasm of our employees is at the center of who we are. We invest in a culture built on collaboration which fuels our growth year after year. A commitment to on-going training and continual improvement is how we do this, with lots of fun and passion along the way! We look forward to having more outstanding talent onboard with the opening of our engineering graduate roles!

# Engineering at Peak

As a manufacturer of gas generators for highly sensitive laboratory instrumentation, precision engineering is central to providing our customers with a reliable solution which contributes to their success. Our Engineering teams are in two distinct functions, Design Engineering and Manufacturing Engineering. Design Engineers are responsible for delivering new products, improved components and in turn keeping Peak Scientific at the forefront of new gas generator technology. Manufacturing Engineers are responsible for working with our production and procurement teams ensuring our products can be safely and efficiently produced in our state of the art manufacturing facilities as well as making sure our products are transported to our customers in top condition, no matter where they are located.

# Graduate **Design Engineer**

## About the Role

Working as part of a multidisciplinary department, the Graduate Design Engineer would participate in design lead activity in product, system and component design, including analysis and validation testing. You will play an assisting role in the design and development of new products from conception to manufacture, as well as the identification and evaluation of new materials, methods, suppliers and processes with a key focus in improving quality, functionality, performance, and reliability through an innovative approach.

## What are we looking for?

Candidates should possess an engineering or product design-based degree. Any work-based experience would be advantageous.

## Essential Skills & Qualifications

- Degree in engineering discipline or product design.
- Interest in or experience in FEA / CFD.
- Understanding of design for manufacture principles.
- Use of 2D and 3D CAD packages.
- Experienced in prototyping and validation.
- Proficient in Microsoft Office package



# Graduate **Quality Engineer**

## About the Role

The Graduate Quality Engineer will provide engineering support to the quality team as well as supply chain and manufacturing engineering functions. The role will provide qualified engineering advice to quality technicians to make quality decisions on component and product quality, assist the vendor engineer on measuring and monitoring supplier performance with the dimensional evaluation of components. The engineer will also be involved in the analysis of ongoing product quality to identify trends and guide manufacturing engineering to introduce process and product improvements.

## What are we looking for?

Candidates should possess an engineering degree in mechanical, electrical or electronic field. Any work-based experience would be advantageous.

## Essential Skills & Qualifications

- Degree in engineering discipline.
- Ability to work as part of a multidisciplined team.
- Reading and interpreting of engineering drawings.
- Use of basic measuring equipment, for example digital callipers and micrometers.
- Proficient in the use of MS-Word, MS-Excel.



# Graduate **Manufacturing Engineer (NPI)**

## About the Role

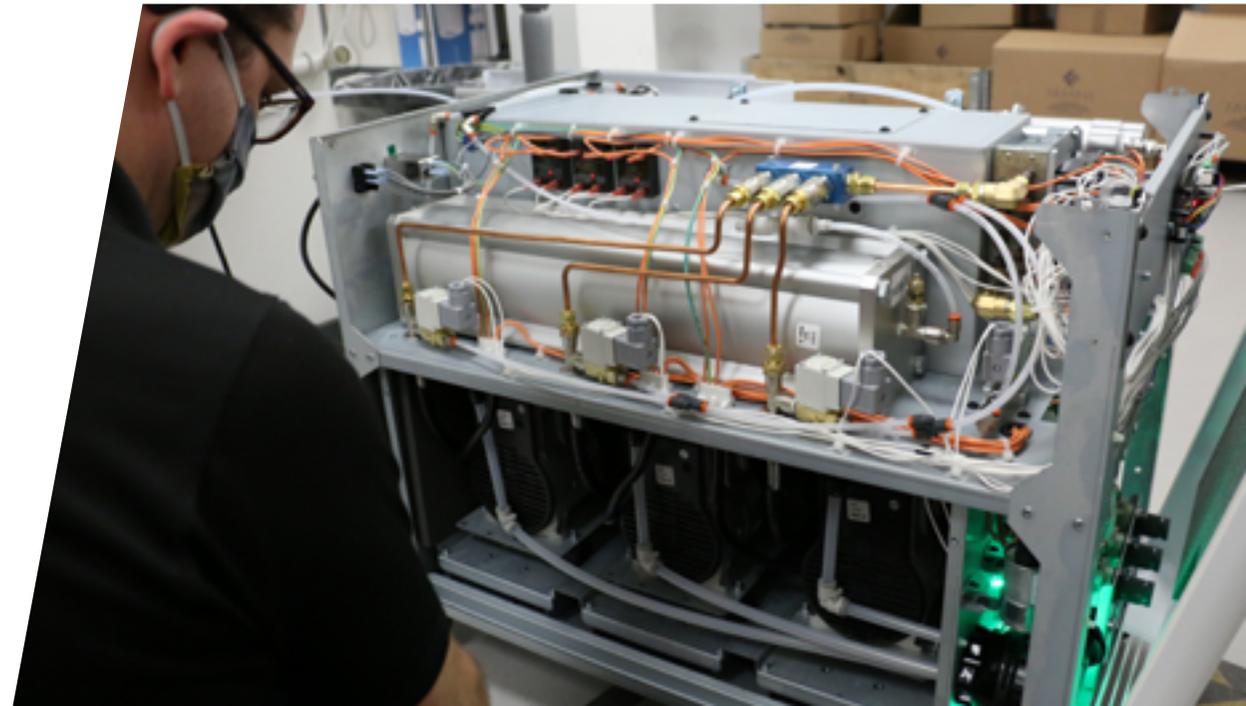
Working within a multidisciplinary department, the Graduate Manufacturing Engineer will support manufacturing engineers by taking Peak's latest gas generator innovations through the New Product Introduction (NPI) process. In this supporting role you will get the opportunity to influence products from concept, through prototyping, sub-assembly design, engineering builds, training builds and then getting the chance to transition the product into the production environment. You will then get the satisfaction of seeing products shipping to customers that you have had an influence in. Throughout this process you will have the ability to suggest improvements to the Design For manufacture (DFM) of new products as well as the identification and evaluation of new materials, methods, suppliers and processes with a key focus in improving quality, functionality, performance, and reliability through an innovative approach.

## What are we looking for?

Candidates should possess an engineering degree, ideally with a bias towards manufacturing. Any work-based / industrial placement experience would be advantageous.

## Essential Skills & Qualifications

- Degree in an Engineering discipline.
- A genuine interest in New Product Introduction (NPI).
- Understanding of manufacturing / assembly processes.
- Creative engineering skills and comfortable working with tools.
- Understanding of manufacturing work instructions.



# Graduate **Manufacturing Engineer** - Product Support

## About the Role

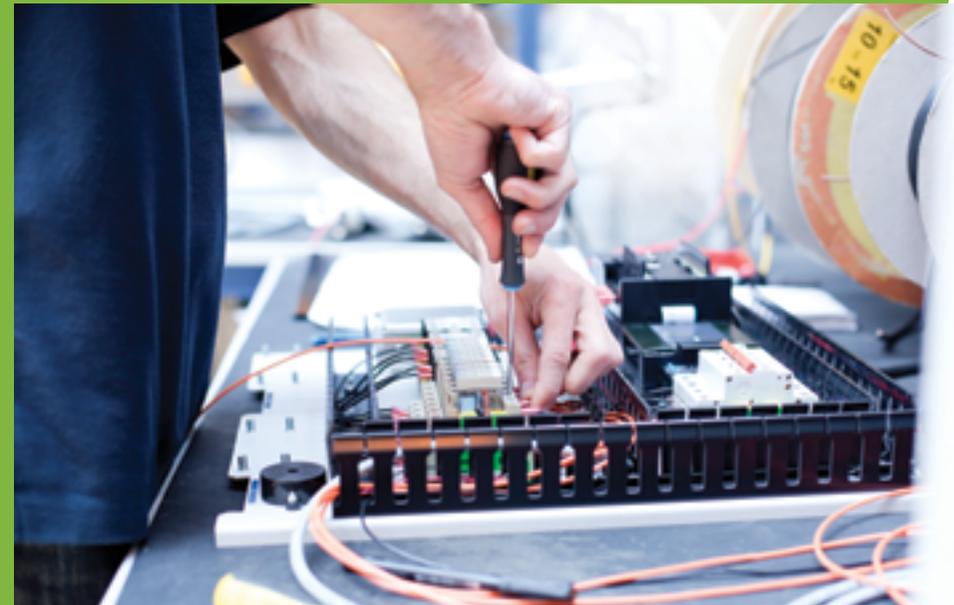
Working as part of the Manufacturing Engineering group, the Graduate Manufacturing Engineer will support the team in dealing with production related issues arising on the shop floor. The Graduate Manufacturing Engineer will identify areas for improvement and implement robust solutions to improve the productivity and quality of the manufacturing process. Creation and maintenance of the production documentation such as build work instructions, process times, test procedures and risk assessments will form part of the role.

## What are we looking for?

Candidates should possess a Mechanical, Production or equivalent Engineering qualification. Any work-based experience would be advantageous.

## Essential Skills & Qualifications

- Ability to work on tasks with minimal supervision.
- Creative engineering skills and is comfortable working with tools.
- Good communication skills, both verbally and written.
- Strong problem-solving skills.
- Keen attention to design and documentational details.
- PC literate with experience of MS Office tools and computerised production control systems.
- Competent in use of 2D and 3D CAD packages.  
(Solid works and Composer are preferable)



“ Everyday I learn something new, constantly **developing my skills**, my knowledge.

For me being an apprentice, it's really important that I can see how the theory is put into practice in **real life examples**.

It's quite **exciting** when I see how I can apply my knowledge to the practical solutions! ”

**Justyna Dabrowska,**  
Graduate Apprentice Manufacturing Engineer

Listen to what Justyna has to say  
about her experience at Peak





*Your local **gas generation** partner*

We wish you all the best with your application process and **future career!**

**Contact us**

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