# Callum Harker – Process Engineer

When did you join Filtronic?

I originally joined in 2016 as a product engineer (tracking yields, production issues etc.), and moved to process engineering (programming machine, setting up processes, training operators etc.) after nearly 2 years.

What attracted you to Filtronic?

I studied Aerospace Systems Engineering at university, a few modules involved aviation (RADAR and the like), which correlated quite nicely with some of the products that we build. I saw a chance to work with something that interested me.
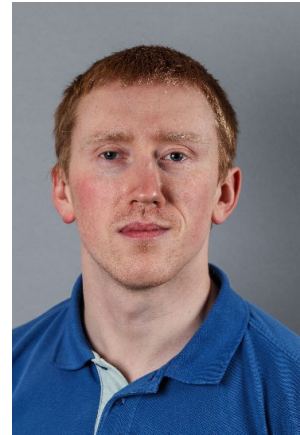
What do you enjoy most about your job?

The variety and the learning, I think. Each day I could be doing something different; programming a machine, identifying machine or product faults, setting up or improving an existing process, building prototype units, creating jigging, documentation, the list goes on really.

Describe a typical day?

Due to the variety in my role my day to day can change drastically, but a typical day could include building new product on a production machine, which is a huge amount of work, often covering several weeks. First documentation will need to be in place. Next, I need to program all the process equipment which includes the pick and place machine (correctly identify the components, pick them up and place them accurately and consistently), the epoxy dispense machine, and ballbond. This process may also involve training operators to use the equipment to build these parts, which is also something I do regularly.

What have been some of the highlights?

One of the highlights was going to Malaysia to perform a factory acceptance test for our second Datacon Evo (pick and place machine); it was an interesting cultural and technical experience, to see where our machines are made. Understanding these complex machines gave me a huge confidence boost as an engineer.

How would you describe working at Filtronic?

Working at Filtronic is often quite relaxed and allows for a lot of personal initiative and problem solving with an engineering framework.