

How to become a... Graduate Equipment Development Engineer

What is a Graduate Equipment Development Engineer?

A Graduate Equipment Development Engineer at SPTS designs electronic/electrical automated industrial; semiconductor tools and plasma sources, interfacing with a wide range of OEM equipment.

What does the role entail?

An Equipment Development Engineer is considered to be a fault finder, problem solver and should have an understanding of machinery safety regulation and EU harmonized environments, risk assessment and CE Marking. The role involves research on various technologies and CAD designs. They will be experienced in Auto CAD to create circuit diagrams, creating engineering bills of materials, vacuum equipment controls, pneumatics, heaters and motors with low frequencies (200-400kHz) and radio frequencies (>1mhz) designs of plasma sources.

What qualifications do I need?

Educated to at least degree level in Engineering or a similar discipline.

“I enjoy the engineering challenges that working as a Design Engineer provides. At SPTS we produce products which are being constantly improved and developed, so every day there is interesting design work.”

Geraint
Senior Equipment Development Engineer



Tareq, Graduate Equipment Development Engineer

How did you come to work at SPTS?

I had registered with various engineering recruitment agencies when I finished university. I particularly expressed an interest in engineering in the semiconductor field.

What does your job involve?

My job involves researching various technologies and CAD designs. It involves looking after the equipment we sell and achieving a broad understanding on how the machinery works.

What subjects did you study?

At A Levels I studied Chemistry, Mathematics, and Electronics.

What qualifications do you have?

BEng Electrical and Electronic Engineering and an MSc Electrical and Electronic Engineering with Nanoscience.