

Assembly Technician – Cryostat Assembly

Would you like to work at one of the fastest growing quantum technology companies with cutting-edge technology? Single Quantum is looking for applicants with a strong technical background and who are looking for a career in an innovative environment. Do you want be part of a diverse and dynamic scale-up company?

By all means, please read on!

In short

Single Quantum (singlequantum.com) designs and builds the world's fastest and most sensitive light detection systems, limited only by the laws of physics!

The quantum world is small but growing. We are a steadily-growing scale-up with an ever-expanding worldwide customer base. We provide our photon detection systems to a wide range of customers and research institutes. This can only be done thanks to our indomitable colleagues, who fabricate, assemble and test our detectors. In addition to fabricating of the actual detectors and building the cryostats, Single Quantum also develops and builds its own electronics inhouse.

What you will be doing

As our Assembly Technician in the Cryostat and Electronics Assembly team, your main responsibility will be assembling and testing cryostats. This as well requires testing of optical fibers and electrical cables. You will also be routing the cables and the wiring is a hands-on job that requires a jeweler's precision. The work is done individually, but you will be working closely with the Optics Testing and Development teams.

With ever going improvements and growth of the Superconducting Nanowire Single Photon Detector, you are also heavily involved in new developments in cryostat assembly. The cryostats are the face and body of our products, they are the system that binds all components together. Therefore, the highest possible quality is required. In the end, you will deliver a physical product for both commercial and research purposes.

Ideally, you will work full time and will be based at our HQ in Delft, contributing to our dynamic and friendly work environment!

Your profile

- You like to work with your hands to assemble and get things working;
- You have previous experience with technical assembly and working in a lab and/or cleanroom environment;
- You have a sense of wonder and admiration for physics;
- You are committed, not afraid to take ownership and pose a high level of accuracy and precision;
- You have good time management skills.

The following working experiences are a plus;

- Experience with soldering and in electronics;
- Experience with 3D modeling software;
- Experience in working with a wire bonding machine;
- Hands-on experience in high-tech production;
- Prior work in an optics lab is a big plus.



What we offer

- Competitive salary and benefits;
- Travel allowance;
- A retirement plan;
- Up to 38 vacation days;
- An international, high-tech environment with colleagues from the Netherlands, USA, France, Italy, China and the list goes on!
- Room for new initiatives and ideas. We're always willing to listen, whether you've been with us for a week, a month, or a year;
- An employer who truly values personal development and growth who invites you to do the same;
- Social security offered by the Collective Labor Agreement Metal & Technology (*CAO Metaal en Techniek*)

We are Single Quantum

At Single Quantum, we confront every challenge with innovation, dedication, and passion. Founded in 2012, our team has emerged as true pioneers of single photon detection technology. We were among the first to manufacture and commercialize superconducting nanowire single photon detectors. Since then, our multi-channel Single Quantum Eos photon detection system has been chosen by more than 100 academic and industrial labs all over the world to perform complex optical measurements.

We want to share this groundbreaking technology with the world. Single Quantum will continue to develop and improve the world's fastest and most sensitive light detection systems. Join us in turning photons into data!

Equal Opportunity Employer

At Single Quantum, we celebrate diversity and are committed to creating an inclusive environment for all employees. We are proud to be an equal opportunity workplace.

How to apply

Send your CV and motivation letter to: career@singlequantum.com. If you have any questions before applying or would like to have a general conversation about Single Quantum, you can contact our Recruiter, Harald van Klaveren on +31 (0) 6 1464 7117 or send an e-mail to harald@singlequantum.com.

