

Vacancy: Process developer at HQ Precision Cleaning

General:

HQ Precision Cleaning is a best-in-class cleaning and qualification cleanroom facility for high grade cleaning, bake-out, residual gas analysis (RGA) and particle measurements for the lithography industry. Besides daily operations, development of the cutting-edge cleaning and qualification technologies is a key part of our portfolio.

We strengthen our technical side in order to facilitate further growth in volume and to advance the technologies suitable for the future demands of the EUV lithography.

This new job will give you a great opportunity to enter and grow in the very challenging high-tech world of nanolithography, contamination cleaning and qualification.

Besides to required technical competences, soft skills such as ownership, passion and eagerness to realize goals are the most valuable. When working in a relatively small team, your contribution will be clearly visible and appreciated in the light of establishing our activities in a more comprehensive way.

Competences

- Strong and independent ownership when improving technology processes and resolving quality issues.
- Process-based thinking in the visually undetectable world of nanoparticles and surface contamination.
- Desire to reinforce both the technology and production sides of the company.
- Eager to achieve mutual goals and commitments.
- Practical, hands-on attitude to implement improvements on the cleanroom floor.
- Ability to bring the best out of our people by inspiring and motivating.

Education and experience:

- Education level HBO+ or Master's degree in Physics
- Dutch speaking and writing or demonstrable willing to learn. Fluent speaking and writing in English.
- Work experience in a relevant technology environment as well as experience with the quality tools such as 6sigma, statistical data analysis and 8D are valuable pros.

Function description

As a process engineer you develop and deliver technical leadership in managing cleaning and qualification processes by cooperating internally as well as with our customers and suppliers regarding product and process developments.

Tasks and Responsibilities:

- You support projects improving cleaning and qualification processes as well as arrange required documentation and activities.
- You develop innovative cleaning and qualification processes to comply with future demands on particle and molecular cleanliness.
- You are a technical contact for our customers to develop design for cleanability of new products from the start.
- You analyse the root cause for internal rejects in cleaning and qualification, using this information to improve existing processes.
- Enhance the knowledge of cleanroom employees regarding cleanliness and quality awareness within production processes in our cleanrooms.
- Ensure availability of up-to-date work instructions which comply with our customers' quality requirements and input.
- Perform internal audits to ensure that operators and processes occur according to the work instructions.
- Set up and develop quality procedures to ensure required outgoing quality, e.g. by reviewing produced batches prior to their delivery, for preventing customer complaints.