Mechatronic Engineer

Location: Amsterdam
Reports to Chief Technology Officer
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Company background

Confocal.nl aims to change the microscopy industry with a confocal microscope based on the re-scan invention: the Re-scan Confocal Microscope (RCM). RCM combines the super-resolution capability with higher sensitivity than most confocal microscopes. The re-scan technology was developed at the Swammerdam Institute for Life Sciences of the University of Amsterdam. This innovative technology converts a standard microscope into a super-resolution microscope for three-dimensional confocal imaging. It is available as a highly affordable and customizable device, which is ideal for small labs with specific interests in biomedical research but also as a working-horse at microscopy facilities to increase the imaging capacity. The simple technical design and open-architecture make the system platform- and software independent which allows plug-and-play upgrading of any standard fluorescence microscopes.

Confocal.nl started as a company in 2016 and has grown now to a team consisting of 15 highly skilled specialists, engineers and business developers. At the moment there is a need to expand the technical team with Mechatronic Engineer in order to speed up the design and production of our newest products. This position is a good career opportunity for a creative and experienced mechatronic engineer.

Responsibilities

As a Mechatronic Engineer you will contribute to the design and production of new products: from making the first sketches of ideas, towards design, development, construction and testing of prototypes up to building and testing the final product for the costumer. It will be important to easily interact and align with the technical team members, but also good communication with members of the operations and commercial team will be crucial. Products that are developed and produced cover the field of optical microscopy and will be based on the re-scan technology.

Profile

- Master of Science in Mechatronics or equivalent.
- Minimum of 3 year experience with the design of mechatronic systems.
- Strong both theoretical and practical skills.
- Independent, creative, pragmatic and entrepreneurial mindset.
- Familiar with:
  - design of mechatronic, mechanical and electrical systems
  - systems engineering methodology/ V-model
  - microscopy technology in life sciences

Offer

- A very interesting challenge for an experienced mechatronic engineer looking for the challenge to design new products that advance biomedical research.
- Working for an innovative, growing and focused organization with a clear goal: bringing innovative microscopy to the market.