



Profile Process Engineer micro- nano- fabrication

Company profile

LioniX International is a leading global provider of customized microsystem solutions, in particular integrated photonics-based, in scalable production volumes. We provide customized solutions for OEM's and system Integrators, by vertical integration, from design to fully assembled modules. We continuously maintain our technology leadership secured in a strong IP position. Currently LioniX International employs nearly 50 highly educated people, and its management has multiple decades of combined experience in micro/nano system technology.

Further information is on our website www.lioniX-international.com

Job description

As Process Engineer you are responsible for parts of the fabrication of photonic and MEMS chips in the MESA+ clean room. The MESA+ cleanroom is a challenging, intense and educational environment. The cleanroom is a climatized dust-free environment. You will wear special clothing, that helps to keep the environment dust free. You will work alongside colleagues, students and employees of the University Twente as well as other companies.

Our common processes are:

- Lithography
- Low pressure chemical vapor deposition
- Sputter deposition
- Wet etching
- Deep reactive ion etching
- Different analysis techniques like ellipsometry profilometry and electrical characterization

Having experience with one or more of the above-mentioned technologies is an advantage. However, you will be trained on the job. In order to work in the cleanroom and on the different processes you will be intensely trained in clean room processing and operating different machines for chip fabrication. Working on different processes requires concentration, care and a steady hand. You have to be flexible in your attitude and time. Patience is important.

**Professional requirements:**

- Secondary vocational education (MBO4 or HBO) with a focus on physics or technology
- Well organized
- Team player
- Willing to learn and absorb a lot of knowledge
- Autonomous and curious

Languages

- Fluency in English and Dutch

What LioniX International offers you

Working at LioniX International means you will be working in a dynamic and inspiring environment. As a technology driven company our teams are always curious and looking for challenges and possibilities. Your team expects you to work as a team player, but individually you will have many possibilities for self-deployment. This is stimulated actively since it is of great importance for LioniX International that we invest in a long term relationship between us and you.

As a global leader in microsystem technology, your working environment will be both Dutch and international. Your colleagues and the projects you are working on both have a diverse nationality.

When joining the LioniX family, you will experience that we also create many opportunities for non-work related matters, such as Friday afternoon celebrations and days-out with the company. Last but not least, LioniX International has good terms of employment including an excellent pension and insurance plan both for you and your family.

Contact

- Ferry Postma (f.m.postma@lionix-int.com) or René Heideman (r.g.heideman@lionix-int.com)