

Industrialisation Engineer

PhotonFirst Alkmaar, Noord-Holland, Nederland

Join the pioneers of PhotonFirst

PhotonFirst (formerly part of Technobis) is an ambitious, high-tech company active in photonics-based sensing. We pioneer in the development and supply of advanced photonic measuring equipment for, for example, the renewable energy sector, the medical sector, security, and defense as well as applications in infrastructure. For our products, we use state-of-the-art technology from the field of integrated photonics, so-called PICs (photonic integrated circuits), to integrate the optical functions of the measurement system onto a small footprint, and thus be able to make and deliver products that are scalable, robust, and cheaper than ever before. This creates numerous improved and novel applications where our systems give customers insight into their measurement needs.

You industrialise a novel and innovative photonic chip-packaging process

Do you get excited about high-tech manufacturing and transforming a manual assembly process to a smooth production-ready level process? Would you like to work in one of The Netherlands' most promising deep-tech scale-ups? This is the job you're looking for!

As the Industrialisation Engineer, you are a key player in the industrialization team of PhotonFirst by co-designing, optimizing and evaluating (testing) the product-specific production processes towards standard production. You take responsibility for bringing newly developed photonic integrated circuit (PIC) -based systems from prototype to production, involving production processes as PIC testing, PIC packaging and others. Adopting LEAN manufacturing and process optimization/automation, you ensure a reliable, efficient, and compliant production process. You are a teamplayer and work together with your colleagues of Research and Development and Operations, who take ownership for system assembly, chip-packaging and testing.

Your tasks & responsibilities are broad

- Setup of the (automated) production line for new product introductions
- Gather production process information relevant for process optimization
- Design, run, test and upgrade systems and processes
- Develop best practices, routines and innovative solutions to improve production rates and quality of output
- Hands-on in building prototypes and first series assemblies, providing feedback to engineering on design-for-manufacturability improvements.

Direct reporting line

The Industrialisation Engineer is working in our spacious Alkmaar office and reports to the Director of R&D

Education



Engineering degree (Mechanical Engineering, Mechatronics or Electrical), HBO or MBO4, with at least 1-3yr work experience in Industrialisation/Automation

Experience/skills

- 1-3 years of experience in an industrial, certified (ISO 9001 or similar), preferably high tech/ aerospace/ automotive/ pharma or food production environment
- Proven work experience in production process development
- CAD experience is a pre, especially SolidWorks
- Analytical thinker with interpersonal skills
- Affinity with handling small and sensitive components
- Good communicator in English, both verbally and in writing
- Proficiency in Microsoft Office (PowerPoint, Word, Excel)
- Experience with LEAN manufacturing is a pre

Personality characteristics

PhotonFirst is a young and maturing professional organization. We have developed a strong pragmatic team mentality in which we work and experiment together to achieve common goals. We are looking for a wide diversity of people coming from different backgrounds to join our organization. We have formulated the following personal traits contributing to our professional mentality:

- Passionate team player taking ownership
- Able to work with people and teams with high diversity
- Open, straight, result driven and can-do mentality
- Pioneering, creative, flexible, and entrepreneurial
- Perseverant, professional, and well structured
- Friendly & 'fun to work with'

Contact us to learn more

Please contact our HR&O Manager, Sjoukje Blom (recruitment@photonfirst.com) to learn more about this exciting job in one of The Netherlands' most promising deep-tech companies.