

MORROW

Morrow's vision is simple: to improve yours

Our view is a world where nothing is missed, and one pair of glasses does it all. Because there's more to see than ever before, and you deserve to see the bigger picture without edges or limitations.

Our story starts with Jelle De Smet and Paul Marchal, two pioneers who with combined experience in electronics and nanotechnology invented the Autofocal lens. They saw a better way, where ageing eyesight is no longer a burden and progressive lenses were a prequel.

Morrow was founded in 2016 — followed by years of research, development and meticulous fine-tuning. We now launch our flagship Autofocal Eyewear that combines Active Liquid Crystal and a two-layer corrective lens to transform your vision — both near and far — at the touch of a button. The company is supported by Tokai Optics, Imec, New Science Ventures, QBIC and PMV and is based in Ghent, Belgium.

The Job

To strengthen its team, the company is looking for an enthusiastic and energetic Senior Optical Scientist to help realize its ambition.

Responsibilities

- Design and validate our next generation tunable lenses by translating user test feedback into practical lens designs
- Build mathematical and simulation based models to improve the fundamental understanding of our products' performance and production tolerances
- Provide theoretical and practical support on all optics related metrology and process steps
- Explore new metrology and related processing algorithms for yield and quality monitoring

Education

- M.Sc. or Ph.D. in Physics or Engineering with a strong emphasis on Geometric and Diffractive Optics, Visual Science or other related fields

Key Qualifications

- At least 10 years' experience in Optical Architecture R&D, preferably in an industrial context.
- Strong analytical & critical thinking and problem-solving skills
- Profound knowledge on polarization optics, Jones calculus and diffractive optics
- Strong at optics related mathematical modeling and visualization through scientific computing programs such as Matlab, Mathematica or Jupyter (or Python), as well as ray tracing software such as Zemax.

- Knowledge of metrology principles and tools such as MTF, wavefront analysis, optical profilometry, thin film measurements through spectroscopic ellipsometry or spectral reflectance
- Project management skills

Additional Qualifications (desirable but not required)

- Experience with progressive lens design or ophthalmic lens principles and metrology
- Experience with electromagnetic field solvers or other physical optics software (Eg. VirtualLab)
- Good understanding of human visual optics and their relation to visual experience
- Experience with liquid crystal optics & modeling
- Basic programming skills in Python
- Familiarity with product development principles such as Quality Function Deployment is a plus

Other skills

- Ambition to work in start-up and/or scale-up companies: resilience, entrepreneurship, tenacity and hands-on
- International mindset: cultural sensitiveness and global business mindset
- Interpersonal skills, down-to-earth and effective communication skills
- Proactive problem solver with ability to manage change effectively
- Ability to prioritize multiple tasks – time management
- Attention to detail

Interested?

Send your CV to jelle@morrowoptics.com and we'll get in touch. In the meanwhile, have a look at our website: morroweyewear.com