



We are hiring!

At Rigeo, we design and build ultra-precision manufacturing systems for the medical device industry. Our technology is used worldwide to produce intraocular lenses and contact lenses.

What we build directly impacts how millions of people see.

As a Software Engineer – Computational Optics & Algorithm Development, you will work at the intersection of optics, applied mathematics, and software engineering. You will translate complex theory into high-performance algorithms that drive medical-grade manufacturing systems.

This is not supporting software. This is core technology. In order to emphasize our organization we are seeking a

Core Technology Software Engineer – Optical Systems

What you will do

In this role, you will develop and refine the mathematical models and algorithms that control our precision production systems — operating at micron-level accuracy.

Your work will directly influence the quality and performance of medical lenses manufactured with our technology.

Key responsibilities:

- Develop and optimize optical models and computational algorithms
- Translate optical and mathematical theory into robust production-grade software (Python, C++, MATLAB)
- Analyze, validate, and improve existing models
- Test and verify both software performance and manufactured lens outcomes
- Document development work in compliance with MDR (Medical Device Regulation) standards
- Collaborate closely with multidisciplinary engineers and international customers

You will see your work move beyond code — from model to machine to real-world medical application.

What you bring

You are analytically strong and intellectually curious. You enjoy solving complex technical problems and turning theoretical concepts into practical, high-precision solutions.

Qualifications:

- Bachelor's or Master's degree in Computer Science, Physics, Optical Engineering, Applied Mathematics, or a related field
- Experience with Python, C++, and/or MATLAB
- Interest in optics, modeling, simulation, or precision engineering
- Strong analytical thinking and attention to detail
- Professional proficiency in English and preferably also in Dutch.
- Ability to work effectively in a collaborative, engineering-driven environment

Preferred:

- Experience with optical simulation tools such as Zemax, Code V, or COMSOL
- Knowledge of lens design or optical system modeling

Curiosity, rigor, and a drive to deeply understand complex systems matter more than checking every box.

Why Rigeo (Part of Teleon Surgical)?

Rigeo is a specialized high-tech engineering company within Teleon. While Teleon focuses on developing advanced intraocular lenses under its *Passion for Perfect Vision*, Rigeo builds the ultra-precision manufacturing systems that make that vision possible.

We offer:

- Work on technology with meaningful medical impact
- A highly technical, innovation-driven engineering environment
- A small, focused team with short decision lines
- Flexibility in working hours and hybrid work options
- 30 days of paid time off (full-time) with the option to purchase additional days
- Professional development and training opportunities
- A strong pension plan (1.5% employee contribution)
- An open, informal culture focused on substance and collaboration

No bureaucracy. No unnecessary hierarchy.

Just engineering excellence and real-world impact.

Interested?

Not sure yet if this is the right next step? Let's talk.

We're happy to start with an informal conversation to explore mutual fit before moving into a formal application process.

Reach out to:

Martijn Schroven (Managing Director Rigeo) or Betsie Grube (HR Business Partner)

+31 (0)6 23117804 or +31 (0)6 5128 1396 (whatsapp bericht mag ook)

Or mail to jobs@teleon-surgical.com