

We are the technology leader in designing and building LBS display systems outperforming the competition in terms of size, power consumption, brightness and image quality.

To successfully continue our growth ambitions, we are looking for a

Design & Simulation Engineer (CREO / Fusion 360 / COMSOL) (f/m/d) | Full-time | Vienna

Shape the future of precision engineering at TriLite.

At TriLite, we push the boundaries of high-precision opto-mechanical systems. As part of our growing, international engineering team, you will play a key role in designing and simulating advanced mechanical components that directly impact product performance and innovation.

This role is ideal for an experienced mechanical engineer who enjoys combining hands-on design work with simulation-driven engineering, and who wants to see their ideas move quickly from concept to prototype to production.

Your Role & Impact

In this position, you will contribute to the full product lifecycle—from early design concepts through simulation, validation, and manufacturing readiness. You will work on high-precision components and assemblies, optimizing them for:

- Thermal performance
- Acoustic behavior
- Mechanical stability
- Manufacturability

You will collaborate closely with experts in product development, electronics, MEMS engineering, and Operations, ensuring your designs meet both technical and real-world constraints.

Your responsibilities:

- Design and develop mechanical components and assemblies using **CREO and/or Autodesk Fusion 360**
- Perform **thermal and acoustic simulations** using **COMSOL Multiphysics**
- Analyze, validate, and optimize designs based on simulation and test results
- Support prototyping, testing, and iterative design improvements
- Document designs, simulation setups, and key engineering decisions
- Actively collaborate with cross-functional teams across the organization

Your profile:

- Bachelor's or Master's degree in Mechanical Engineering or a related field
- At least 4 years of hands-on experience with COMSOL Multiphysics
- Strong experience with CREO and/or Autodesk Fusion 360 (or comparable CAD tools)
- Solid understanding of thermal and acoustic simulations and physics-based modeling
- Experience in mechanical design and product development
- Analytical, structured, and solution-oriented working style

- Ability to work both independently and within cross-functional teams
- Fluent English (German is a plus, but not required)

Nice to have (but not required):

- Multiphysics simulations beyond thermal/acoustics
- Prototyping and validation experience
- Manufacturing knowledge
- Basic programming skills (e.g. MATLAB, Python)
- Experience in opto-mechanical systems, or MEMS

Why Join TriLite?

- Be part of a dynamic, ambitious, and international team with flat hierarchies
- Startup-like environment with real influence and creative freedom
- Work on exciting, cutting-edge projects with leading international companies
- Excellent learning and development opportunities, tailored to your strengths
- Strong culture of collaboration, team spirit, and innovation
- Sustainable mobility: JobRad bicycle program
- Gym membership to support your well-being
- Regular company and team events
- Modern headquarter in the center of Vienna (1040)
- Flexible working hours and the possibility of home office

Compensation & Legal Information

- Minimum salary: €51,156.70 gross per year, based on the Austrian collective agreement for the metal industry
- The actual salary will be determined individually based on your qualifications and experience
- Applicants must have a valid work permit for Austria

How to Apply

Please send your CV (no cover letter required) to: hr@trilite-tech.com

Reference: *Mechanical Engineer – Design & Simulation*

We look forward to welcoming you to TriLite—for a unique learning experience and strong growth potential in a truly innovative environment.