Optical Engineer for Head-Up Displays (m/f/d)

Feladatok

- Design and develop optical systems for head-up display applications utilizing advanced optical simulation and modeling software
- Conduct rigorous optical analysis and ray tracing simulations to evaluate system performance and identify critical optimization opportunities
- Establish and maintain comprehensive optical design documentation, including detailed specifications, technical drawings, and performance reports
- Execute optical testing and validation protocols to ensure designs meet stringent performance criteria and quality standards
- Coordinate with mechanical engineering and product teams to ensure proper integration of optical components into complete display systems
- Consult with Program Management and Technical Leadership regarding new platform requirements and emerging technology acquisition needs
- Present technical findings and results to internal stakeholders and external customers at national and international forums
- Operate and maintain precision measurement technology and instrumentation
- Analyze and resolve optical aberrations, distortion, and other optical performance deficiencies
- Evaluate and select optical materials, coatings, and components based on performance specifications and cost parameters
- Diagnose optical system issues and implement corrective actions during development and production phases
- Monitor advances in optical technology and display systems to drive continuous improvement initiatives
- Support prototyping, testing, and validation activities throughout the complete product development lifecycle

Profilja

- Academic degree in Physics or equivalent
- Several years of professional experience in optical system design and optical engineering
- Strong proficiency with optical design software such as Zemax, CODE V or OSLO
- Hands-on experience with heads-up display (HUD) systems or similar optical display technologies
- Solid understanding of optical principles, including aberration theory, optical coatings and optical alignment
- Proficiency with CAD software (SolidWorks, AutoCAD or equivalent) for optical component design
- Experience with optical testing equipment and measurement techniques

Job ID
REF8074T

Munkaterület
Electrification Technology

Telephely
Babenhausen

Vezetői szint
Beosztott

Kontakt
Linda Göttlicher

Jogi egység
AUMOVIO Germany GmbH

- Familiarity with MATLAB or similar programming languages for optical analysis and modeling
- Experience with optical component integration and system-level optical performance optimization
- Knowledge of optical manufacturing processes and tolerancing
- Experience with automotive or aerospace optical systems is preferred
- Familiarity with optical simulation tools and advanced ray tracing techniques is preferred
- Fluent English language skills
- Fluent German language skills are a plus
- Strong analytical and problem-solving skills with meticulous attention to detail
- Excellent organizational skills and ability to manage multiple projects simultaneously
- Strong communication skills and ability to work effectively in cross-functional teams

Applications from severely handicapped people are welcome.

Ajánlatunk

Ready to take your career to the next level? The future of mobility isn't just anyone's job. Make it yours! **Join AUMOVIO. Own What's Next.**

Rólunk

Since its spin-off in September 2025 AUMOVIO continues the business of the former Continental group sector Automotive as an independent company. The technology and electronics company offers a wide-ranging portfolio that makes mobility safe, exciting, connected, and autonomous. This includes sensor solutions, displays, braking and comfort systems as well as comprehensive expertise in software, architecture platforms, and assistance systems for software-defined vehicles. In the fiscal year 2024 the business areas, which now belong to AUMOVIO, generated sales of 19.6 billion Euro. The company is headquartered in Frankfurt, Germany and has about 87.000 employees in more than 100 locations worldwide.