

Optical Metrology Internship - UX (TM)

Ihre Aufgaben

We are seeking an **Optical Metrology Internship** to join the User Experience Business Area – Display Technology Timișoara.

In this role, you will support the **optical performance evaluation of automotive display modules**, including **display panels, backlights, and complete display assemblies**, under the guidance of experienced engineers. You will contribute to hands-on **optical measurement, data analysis, and documentation activities**, supporting development and industrialization projects for **Cluster, CID, and HUD applications**.

Your responsibilities include:

- Supporting optical measurement activities for display panels, backlights, and complete modules, following defined test procedures and specifications;
- Assisting in the setup, execution, and validation of optical measurements (luminance, homogeneity, chromaticity, contrast, reflectance, and visual appearance) using optical metrology equipment such as imaging colorimeters and spectroradiometers;
- Collecting, structuring, and analyzing measurement data against technical targets and requirements;
- Supporting the preparation of measurement reports, presentations, and technical documentation for internal teams;
- Collaborating with development, quality, and industrialization teams to understand how optical performance relates to design, process, and manufacturing constraints;
- Assisting in technical characterization activities and issue analysis to identify deviations, trends, or anomalies in optical performance data.

Internship focus:

- Gaining practical knowledge of automotive display optical performance parameters and measurement methodologies in an industrial R&D environment;
- Building a foundation for future roles in display development, metrology, or system engineering.

Ihr Profil

- **Ongoing university or master** degree studies in Electronics, Electrical Engineering, Systems Engineering, Mechatronics, Physics, Optics, or a related technical field;
- Basic understanding or strong interest in automotive display technologies, such as TFT LCD and/or OLED, gained through coursework, projects, or internships;
- **Fundamental knowledge of optical principles and display performance parameters**, e.g. luminance, chromaticity, uniformity, contrast, and reflectance, and an interest in how these are measured



Job ID
REF7850P

Arbeitsbereich
Engineering

Standort
Timișoara

Rechtliche Einheit
**AUMOVIO TECHNOLOGIES
ROMANIA S.R.L.**

and evaluated;

- Initial exposure or willingness to learn backlight concepts, such as edge lit and direct lit architectures; knowledge of local dimming is a plus;
- Basic awareness of Head Up Display systems and optical paths is an advantage, but not required
- Interest in measurement, testing, and data driven evaluation of hardware performance;
- Ability to work with structured test procedures, document results, and follow defined specifications;
- Good analytical skills and motivation to understand measurement results and performance deviations;
- Good communication skills and the ability to collaborate with engineers from different disciplines (optics, electronics, mechanics);
- **Very good English skills** (written and spoken);
- Structured and reliable working style, with attention to detail and openness to learning in a laboratory and project environment.

Unser Angebot

What we offer:

- Integration Program in a professional, young & dynamic team;
- A mentor for your learning period;
- Recommendation Bonuses for new team members;
- Flexible working hours for your studies.

Wellbeing:

- Health & Wellness (Private Health Insurance, Life Insurance, Sport activities etc.);
- Different discounts (glasses, tires, medical, shopping);
- In-house restaurant & coffee corners.

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.**

Über uns

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.