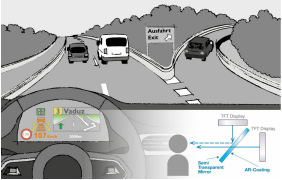


Automotive Solutions

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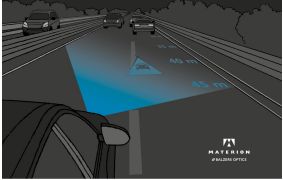
Optics Powering Smart Mobility!

When requirements for traffic safety, vehicle comfort, and the level of autonomous driving are important, Materion Balzers Optics offers a wide range of solutions with critical optical components.



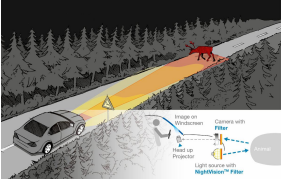
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Environmentally stable, high-reflectivity coatings on glass and polymers.  
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See What Drives the Future

Smarter headlights, sharper sensing, immersive displays – it all starts with the right optics.

Our latest brochure shows how thin-film coatings improve LiDAR signal quality, support thermal detection, and enhance digital display performance.

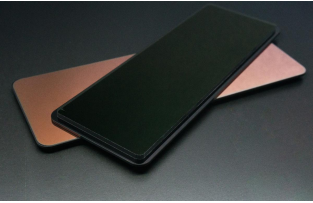
You'll also find real-world examples and key material specs to support your next ADAS, HUD, or night vision project.

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Brochure

Application Note

As vehicles become more autonomous and connected, LiDAR plays a key role in enabling safe, data-driven mobility.

Our Application Note shows how laser-based sensing creates detailed 3D maps of a vehicle's surroundings and outlines the challenges of integrating LiDAR into modern automotive systems.



Download Application  
Note



Contact our Expert!

Got questions or are you looking to discuss a project? **Guglielmo Cappellari**, our Customer Project Manager, is happy to support your next innovation.

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Upcoming Events

Let's Talk Optics in Munich



Are you working on LiDAR, head-up displays or camera systems? Let's meet at **LASER World of PHOTONICS** and talk about how our coatings can support your next automotive project.

You'll find us in **Hall B1, Booth #314** from **June 24 – 27, 2025** we're looking forward to exchanging ideas!

