

Highly Accurate Portable Gas Sensing

Bart Beckers, Sales Manager

15 Sep 2026, EPIC Members New Product Release



Agenda

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1. About Axetris
 2. Markets & Applications
 3. TDLS Technology
 4. LGD Product Overview
 5. New Product Development
 6. Q&A
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About Axetris



100% Swiss-Owned

Our story began in 1998 when our parent company Leister (est. 1949 / ~1000 employees) acquired a microtechnology start-up from EPFL Lausanne.



170 Employees

International talent driving innovation across R&D, Production, Quality, HR, IT, and Commercial teams.



Customized Solutions

With great passion and in close coordination with our customers, we develop new products and continuously optimize our processes.



1570 m² Cleanroom Area

We support our customers with optical design, wafer-level front-end processing, back-end processing, and testing.

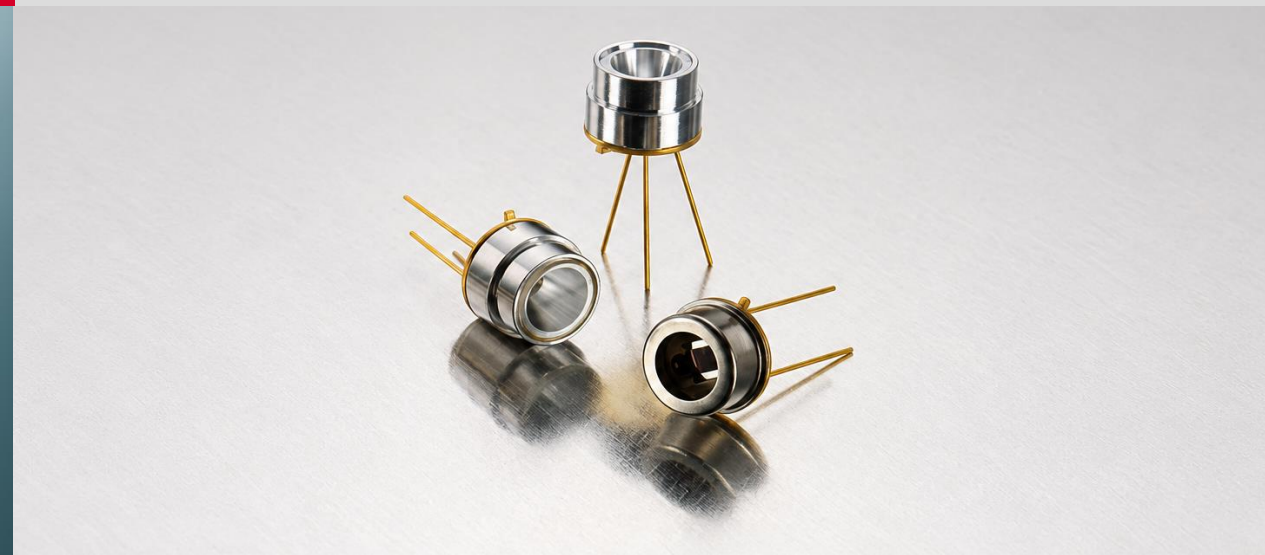
Our Businesses



Laser Gas Detection



Micro-Optics & Foundry



Infrared Sources

Markets & Application



Environmental: emission monitoring, livestock, air quality



Medical: breath analysis, lung diffusion testing

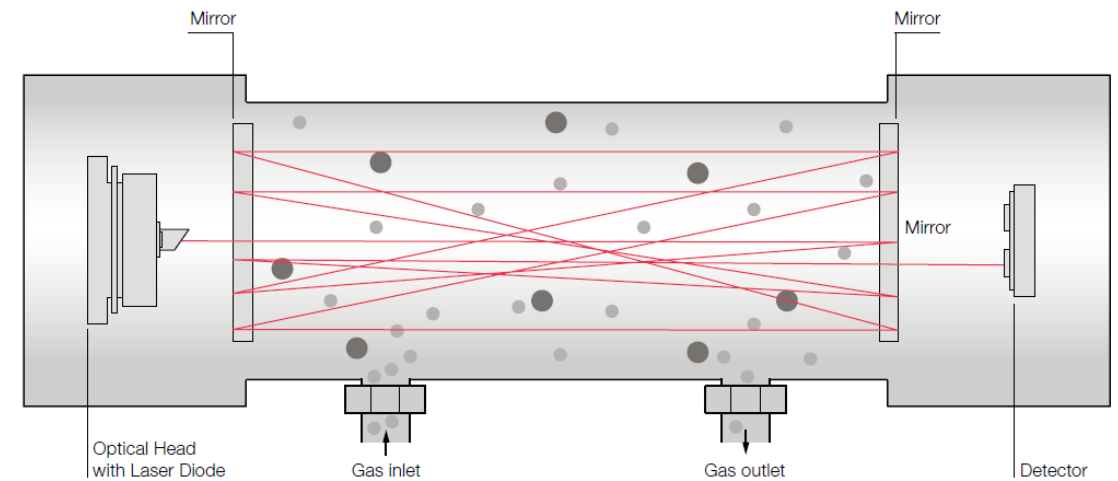
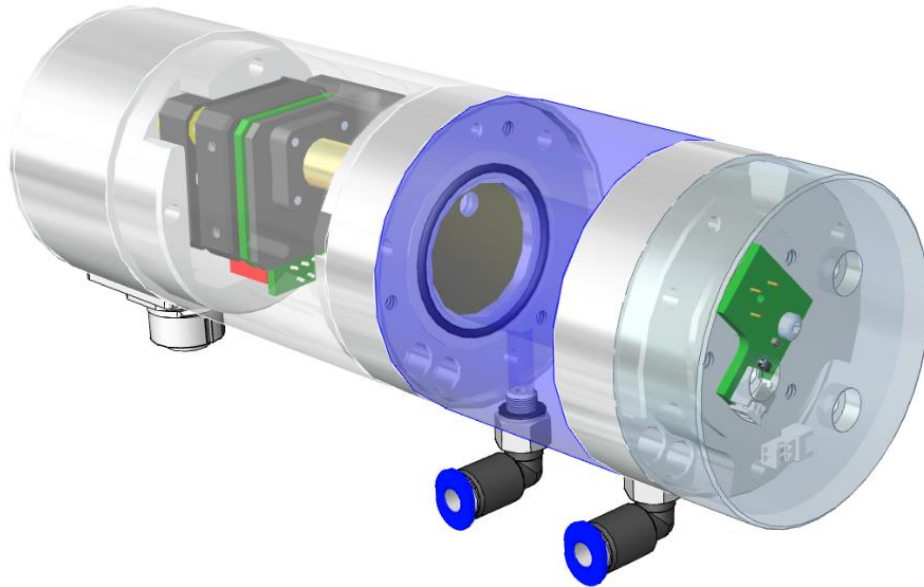


Automotive: exhaust gas & coolant monitoring



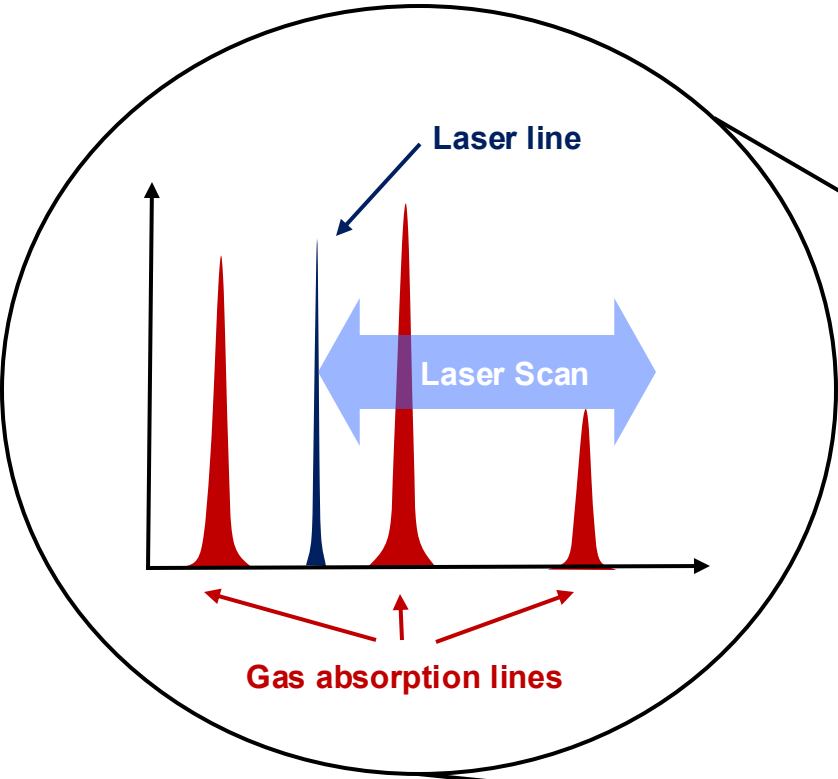
Industrial: refrigerant monitoring, toxic gas detection, oil & gas

LGD Compact Ultra OEM Module

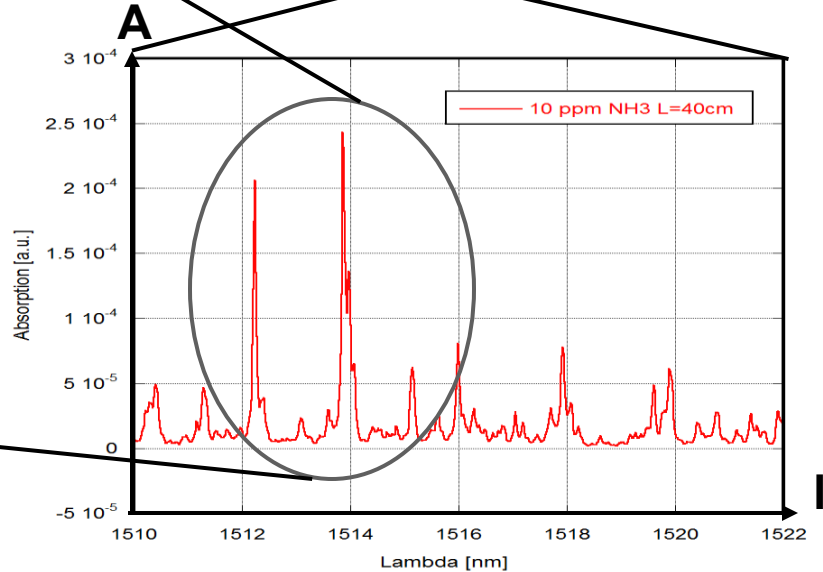
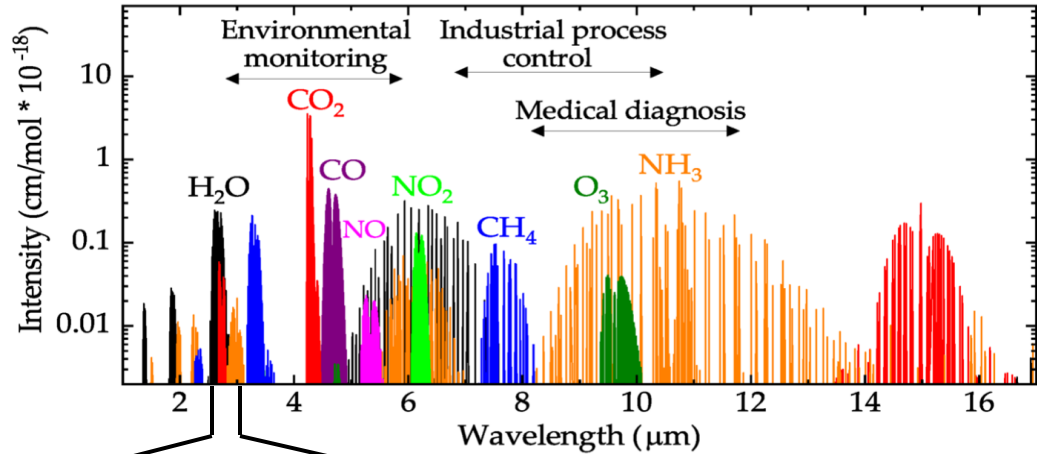


LGD Compact + TDLS Basics

Tuneable Diode Laser Spectroscopy (TDLR)



Laser diode scan across single gas absorption line.



LGD Compact Ultra OEM Module

New Product Development

- Ultra compact and portable
- High performance with low detection limit
- Power efficient
- Built like a tank







Thank you

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