

Four Decades of Intelligent Imaging









LaVision – Precision in perfection for your measurement requirements

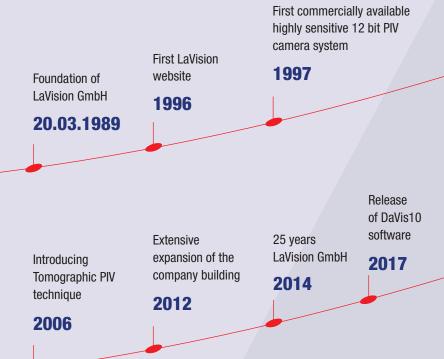
When your projects require precision, quality and innovative technology, LaVision offers you the complete solutions you need. For over 35 years, we have been a world leader in the development of optical metrology and intelligent vision systems tailored to your specific requirements. Our solutions are used in various industries such as automotive, aerospace, life sciences and energy industry.

With a global network of subsidiaries and partners, we guarantee not only access to world-class products, but also comprehensive support to guide your projects from conception to implementation. You can be assured that our systems meet the highest quality standards and deliver precise and reliable results.

With our constant innovation and commitment to the highest quality, we help you to set new standards in your industry. LaVision stands for measurable success – worldwide.











Foundation of **US** subsidiary LaVision Inc.

1999

Move to today's company building (Anna-Vandenhoeck-Ring)

2001

Introduction of SprayMaster and ParticleMaster inspex for

2021

industrial applications

Market launch FlowBOS camera for particle-free flow visualization

2024



Release of DaVis11

software

2023

MiniShaker Aero 2018

Innovation Award for

Sustainability at LaVision – Responsibility for a better future

As an innovative company, we at LaVision see sustainability as an integral part of our corporate philosophy. We are aware of our responsibility towards the environment, society and our partners and strive to act in a resource-conserving and future-oriented manner in all areas of our business. Our Code of Conduct sets out clear guidelines for environmentally friendly processes and ethical business practices.

For you as a customer, this means that we guarantee the highest quality and precision not only in our technology, but also in the way we work. Our focus on sustainable solutions is reflected in the selection of environmentally friendly materials, the energy efficiency of our systems and the continuous optimization of our production processes. In this way, we help minimize environmental impact while maximizing the longevity and efficiency of your applications.

With LaVision, you are not only opting for innovative and precise measurement technology, but also for a partnership based on responsible action and sustainable success.





The Pioneer of Intracavity Harmonic Lasers for PIV

Industrial • Defense • Scientific • Medical

Photonics Industries provides the PIV and Flow Research community with 30+ years of experience and development in the form of the ultra-compact single and dual cavity DM-Series PIV lasers.

DM2-527 Series

- 2 x 20mJ to 100mJ @ 1000 Hz.
- Operation to 10 kHz

DM2-532 Series

- 2 x 60W to 175W @ 10kHz
- Operation to >60kHz

DX2-527 Series

2 x 25mJ @ 1000Hz TEMoo





Environmentally sealed laser heads with following all fitted as standard:

- Independent Dual Motorised Attenuators
- Dual Motorised Beam Overlap Mirrors
- On Board Dual Power Monitors
- Internal Humidity Sensor
- Software Auto-Calibration
- · Remote Diagnostics and Support.

| Nanosecond | Picosecond | Femtosecond | NIR & IR | Green | UV & DUV

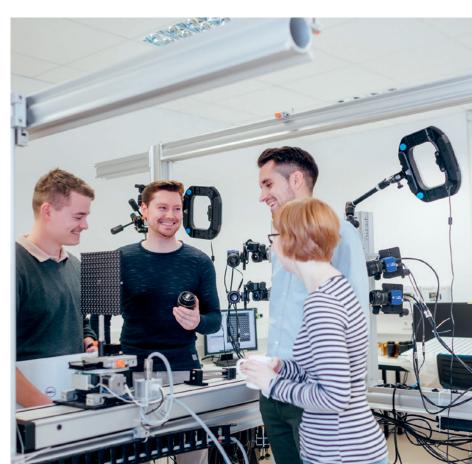
Quality at LaVision – A guarantee of the highest standards for your projects

At LaVision, quality is our top priority. Our measurement systems and image processing solutions not only meet the highest requirements in research and industry, but are also continuously optimized to always provide you with precise, reliable and high-performance results.

Our products and processes meet the international ISO 9001 quality and safety standards. This certification underlines our commitment to excellent system performance and gives you the assurance that you can rely on LaVision as a trustworthy partner.

What this means for you is that our solutions not only give you peak performance, but also the peace of mind that comes from knowing that every detail – from design to delivery – has been thoroughly controlled. Every system we deliver is designed to exceed your requirements and provide you with measurable benefits in every application. LaVision stands for first-class technology combined with a strict focus on quality to ensure you achieve the best results every time.







ZURE PHOTONICS



AZURE Photonics Co.,Ltd. is an ISO 9001:2015 certified leading worldwide manufacturer of customized optical components and optical assemblies.

With an innovative facility based in Fuzhou(China) since 2000 and global sales distribution and support at key global locations, AZURE utilizes advanced fabrication equipments and state of the art testing instrumentation and methods to turn concepts and prototypes into high quality cost effective solutions scaled up to serial production. Our experienced team of technical experts also offer optical and mechanical design service for the assemblies from the very beginning your project starts.

We produce a wide range of off-the -shelf and custom objective lenses working with area scan cameras/line scan cameras as well as OEM optics-lenses (spherical,cylindrical),mirrors,windows, filters,prisms and beam-

splitters. Our products are widely used in factory automation,logistics automation,motion capture systems,ITS(intelligent Transport System),life science,biometrics and other high-tech industries.

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Building No.15, Haixi Hi-Tech Park,

E-Mail: sales@azurephotonics.com

www.azurephotonics.com/wzsy









Working at LaVision – Become part of our dedicated team

Our people are the key to our success. At LaVision we place great emphasis on a working environment that encourages innovation and collaboration. Our informal working atmosphere focuses on cooperation – flat hierarchies, open communication and respectful interaction characterize our corporate culture. This creates an environment where you can contribute your ideas and develop both professionally and personally.

LaVision not only offers you a secure job, but also the opportunity to work with highly qualified colleagues on exciting, international projects. We invest in the continuous training of our employees and support you in developing your talents to the full. Our teams are made up of experts from various fields who work together to develop innovative measurement systems that are used in a wide range of industries worldwide.

If you want to be part of a dynamic company that stands for precision, quality and sustainability, LaVision is the right place for you. We are looking for committed talents who want to shape the future of measurement technology with us.



Linos pco.

Redefine your vision

Unlock your innovation with high-performance cameras, optics and optomechanics.

Excelitas offers a wide range of precision photonic technologies to fully enable your innovation. From PCO® cameras, to LINOS® inspection lenses to Microbench optomechanics, we deliver expert integration and bespoke customization to meet your every photonic requirement. Contact us today and unlock your innovation.



Enabling the future through light.

LaVision - Your full service provider for customized measurement solutions

LaVision, not only provides you with high-precision measuring systems, but also with comprehensive complete solutions that are precisely tailored to your requirements. Our offer goes far beyond the sale of products: We offer you a complete service that also includes seminars at our location in Göttingen and worldwide. These practical training courses enable you to exploit the full potential of our technologies and optimize your applications.

One focus of our services is on contract measurements which have become increasingly important in recent years. You benefit from our expertise and state-of-the-art measurement technology without having to invest your own resources. We take on challenging measurement tasks for you so that you can concentrate on your core competencies.

In addition to standard solutions, we offer you customized systems that are tailored specifically to your requirements and applications. From development to implementation, we accompany you step by step and ensure that your projects are realized with maximum precision and efficiency.



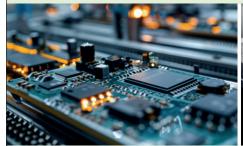




Elektronik

Mechanik

Gerätebau







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- ✓ Entwicklung
- ✓ Industrialisierung
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- ✔ Full Service Partner



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LaVision at a glance

Services

- Fluid Mechanics
- Aerodynamics
- Flow & Heat Control
- Material Mechanics
- Combustion
- Automotive
- Spray Quality Control
- Particle Characterization

Branches

- Automotive Industry
- **Power Generation**
- Research and Development
- Aerospace
- **Materials Testing**
- Process Engineering

Products

- DaVis the complete software solution for intelligent applications
- EngineMaster
- FlameMaster
- FlowMaster
- FluidMaster
- Cameras
- ParticleMaster
- Sensor systems
- SprayMaster
- StrainMaster



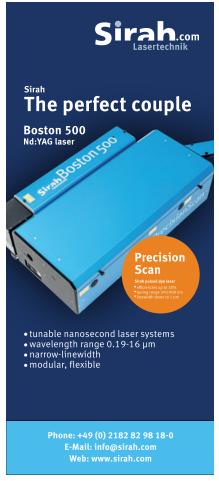












LaVision – Trust through long-term partnerships

Trust is the basis of every successful collaboration, and at LaVision we value the long-standing loyalty of our customers. For over 35 years, we have been a reliable partner for companies from a wide range of industries such as automotive, aerospace, research and development. Our customers trust in the quality and precision of our products as well as our first-class service – often for many years.

What sets LaVision apart is not only the provision of outstanding measurement technology solutions, but also our commitment to long-term partnerships. We are with you every step of the way – from initial consultation to implementation and beyond. Our customer support ensures that your systems run smoothly at all times and that your requirements are optimally met.

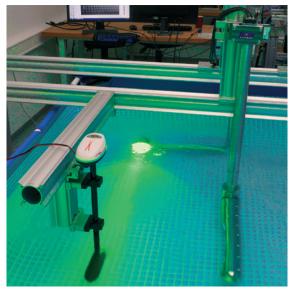
Our loyal customers know that they can rely on LaVision – not only because of our innovative technologies, but also because of our reliability and exceptional service. This is how we create trust and ensure your long-term success together.

















Kabelkonfektionierung & Kleingerätemontage

Ihr zuverlässiger Partner für hochwertige Kabelkonfektionen und komplette Baugruppen. Individuell nach Ihren Wünschen – schnell, kompetent, leistungsstark!



LaVision – Unlimited possibilities for your applications

At LaVision, you have almost unlimited possibilities to take your projects to the next level. Our innovative measurement technologies and image processing systems offer precise solutions for a variety of applications in a wide range of industries – from the automotive and aerospace industries to process engineering and materials research

Thanks to our versatile technologies, we are able to capture complex processes in real time and with the highest spatial and temporal resolution. Whether you are carrying out flow analysis, particle measurements or material testing, our measurement systems offer you the flexibility you need to meet your exact requirements. From the investigation of combustion processes to the analysis of biomechanics and biomedical flows, our systems open up new perspectives and provide you with the data you need to make informed decisions.

By combining advanced technologies, customized solutions and our global network, we guarantee that any challenge you face can be successfully overcome with our systems.











LaVision – The basics

LaVision has a wide range of products based on these techniques:

Laser Imaging in liquids and gases

- Particle Image Velocimetry (PIV)
- Laser-induced Fluorescence (LIF)
- Laser-induced Incandescence (LII)
- Mie-Scattering
- Rayleigh-Scattering
- Raman-Scattering

Particle Imaging

Shadowgraphy

Gas Flow and Process Imaging

Background Oriented Schlieren (BOS)

Materials Testing

- Digital Image Correlation (DIC)
- Digital Volume Correlation (DVC)
- Fluid-Structure Interaction (FSI)

All methods used are non-intrusive and ensure highresolution, spatial and temporal in-situ measurements.







LaVision – Solutions for your success

Your success is the focus at LaVision. With our customized measurement solutions and imaging systems, we offer you the tools to meet your complex requirements precisely and efficiently. Our broad product range includes modular laser imaging systems based on spectroscopic techniques used for multi-parameter and multi-dimensional flow field measurement. These systems are ideal for visualizing combustion, atomization and flow processes and provide you with the accurate data you need for your projects.

Our imaging systems support you in examining surface deformations and loads with the highest precision. Whether for industrial applications, research or development, our systems offer you the flexibility and accuracy you need to achieve your goals.

Our range of products is completed by advanced software-based camera systems and optical sensor systems that enable you to perform comprehensive monitoring and analysis. With LaVision, you not only get products, but solutions that are tailored to your specific needs and lay the foundation for your long-term success.



Photron

HIGHSPEED CAMERAS FOR SLOW MOTION ANALYSIS



PLICATIONS & INDUSTRIES

ACADEMIA
BIOMECHANICS
COMBUSTION
DIGITAL IMAGE CORRELATION
FLUID DYNAMICS
LASER ILLUMINATION
MATERIALS TESTING
MICROFLUIDICS
PARTICLE IMAGE VELOCIMETRY
RESEARCH & DEVELOPMENT
AEROSPACE AND DEFENSE
AUTOMOTIVE
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FASTCAM NOVA S-Series

FASTCAM NOVA S20



1-Megapixel CMOS Image Sensor 1024 x 1024 pixels at 18,750fps (10-bit) 1024 x 992 pixels at 20,000fps (10-bit) 1024 x 1024 pixels at 16,5000ps (12-bit)

Class Leading Light Sensitivity
ISO 64,000 Monochrome
ISO 16,000 Color

FASTCAM NOVA R-Series

FASTCAM MINI R5-4K

9.4-Megapixel CMOS Image Sensor

4096 x 2304 pixels at 1,250fps

2048 x 2048 pixels at 2,880fps

1920 x 1080 pixels at 5,280fps

Class Leading Light Sensitivity ISO 3,200 Monochrome

ISO 640 Color



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