

Vision

Our Vision

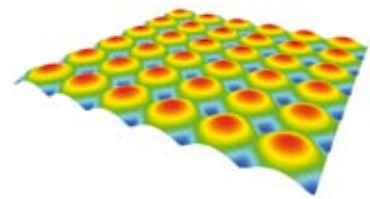
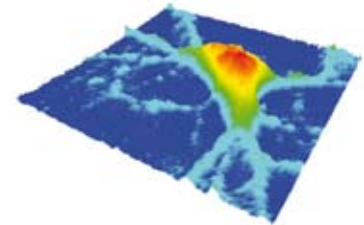
The Lyncée Insight

Lyncée or Lynceus, name of a person from Greek mythology, was well-known for his sharpness of sight, able to see through walls, underground and over the horizon.

Such sight is not only needed for our instruments to make the invisible visible but also to improve functionalities and quality of the growing number of innovative products in the nano and micro range which continuously revolutionize our life and working environment.

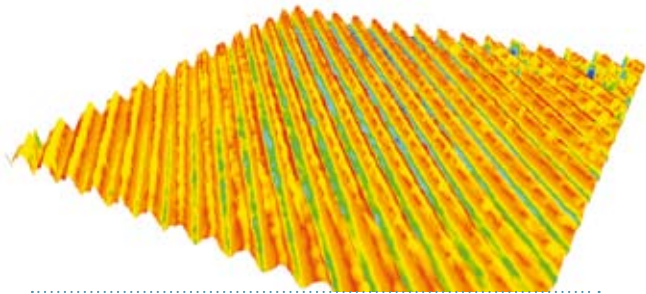
The Lyncée Insight is devoted to innovative real-time and high resolution optical measuring tools.

Technology
Mission
Markets
Profile
Company



DHM

Digital Holographic Microscopy



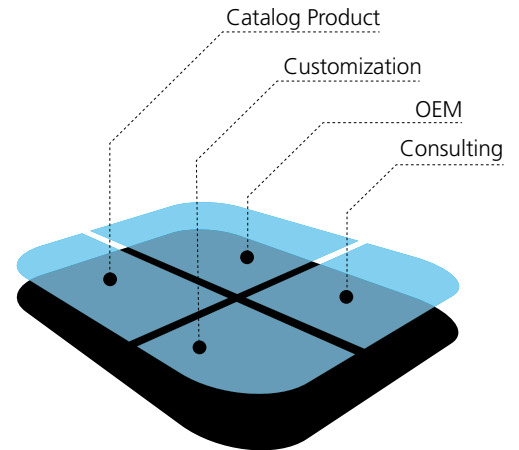
Mission

Our Mission

Mastering and crafting DHM technology at the nano- and microscale

Our mission is to develop, produce and distribute the most accurate and powerful 3D analysis instruments based on the Digital Holographic Microscopy (DHM) technology.

- To remain the leading company in the development of DHMs, by improving continuously their simplicity-of-use and accuracy, by extending their application range and by providing excellence in quality.
- To fill the most demanding quantitative and qualitative optical analysis needs in both industrial quality control and R&D.
- To make DHM a standard technique for optical 3D metrology with products designed to provide long-term benefits for its customers.



Profile

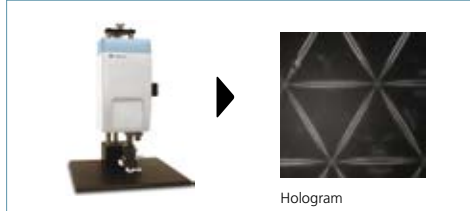
Our Profile

Expertise and innovation

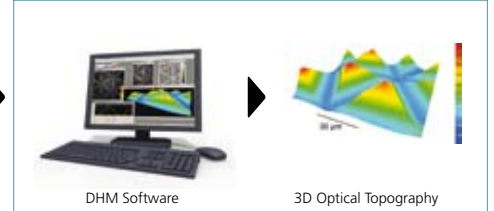
Lyncée Tec is present on the market with its own standard product portfolio, as a supplier of customized OEM solutions, and by performing analysis consultancy.

- Lyncée Tec's approach is not only «servicing customers» with top-class products but «serving customers» as a solution provider using the latest state-of-the-art technologies to build technological platforms for research & development centers and for quality control in industries.
- To maintain its position in the field of technology and innovation, Lyncée Tec collaborates and transfers scientific development from competence centers at universities and in particular with the Swiss Federal Institute of Technology, Lausanne, Switzerland.
- This close cooperation with our university partners enhances our expertise and allows customers to obtain core competences in material science, life science and engineering science from a single interlocutor.

The Holographic Microscope



The DHM Software



Technology

Company

Our Company

A reliable partner in making the invisible visible

Lyncée Tec is fast growing, customer-oriented and market-driven young company.

- After 10 years of technology development and numerous awards for its innovation, the company started to market Digital Holographic Microscopes in 2003.
- The company installed its offices in the «Parc Scientifique d'Ecublens» (PSE www.parc-scientifique.ch) on the site of the Swiss Federal Institute of Technology of Lausanne (EPFL www.epfl.ch). It offers a unique location in the region of Lake Lemman with numerous specialized sub-contractor manufacturers in the field of microtechnologies (www.microtech-industry.ch).
- The proximity of the EPFL is a leading advantage for a high-tech company, since it provides a wide range of know-how and expertise resulting in numerous patents held or licensed to Lyncée Tec.
- A highly qualified multidisciplinary team of more than 20 physicists, biologists and engineers specialised in optics, software, mechanics and microtechnical applications, ensures the skills in terms of advice and technical execution, including development, manufacturing, assembling, quality assurance, sales and support.
- The company has been granted by several industrial awards: "Lausanne Région Entreprendre", CTI start-up Label in 2003, WA De Vigier and Venture in 2004, and Swiss Technology Awards in 2006.
- The company is present worldwide with a network of motivated sales representatives and exclusive distributors.

Our Technology

The digital revolution in microscopy

Denis Gabor obtained the Nobel Prize for his invention of Holography. This important discovery allows us to record more information in a normal picture than conventional optical systems. Lyncée Tec technology introduces Holography in microscopy.

By using digital technologies at hitherto unreached level in microscopy, Lyncée Tec brings a revolution to microscopy comparable to the digital breakthrough in the audio and video domains with CD and DVD.

With its revolutionary patented technology called "Digital Holographic Microscopy" (DHM) Lyncée Tec combines for the first time in microscopy nanometric resolution, real-time, easy of use and non-invasive 3D observations.

The technology has been supported by Swiss government through (CTI Swiss Confederation's innovation promotion agency) grants: TopNano21, Nano-Micro, Life Science and by scientific awards: European Microscopy Society of Physics, Société Suisse de Physique, Société Française des Lasers Médicaux and F.N.R.S (Fond National de la Recherche Scientifique).

Markets

Our Markets

Discover the fascinating world of micro- and nanotechnology

The characteristics of DHM make it a unique solution to support and enhance the whole development cycle of a product, from innovative R&D to quality control on the production line, passing through the quantitative optimization of the manufacturing process.



Life Sciences

Most biological specimen in particular living cells are transparent and differ only slightly from their surroundings in terms of absorbance and color. They can now be characterized in real-time in a non-contact and non-invasive way with our easy to use DHM. Its applications include spatial identification of cellular structures and accurate morphological measurements of living cells. Lyncée Tec standard products can operate in parallel with several standard analysis and microscopy tools such as electrophysiology and fluorescence or scanning probe microscopy, providing unique and highly informative experimental data.

We provide a wide range of applications related to:

- ↳ Pharma and biotechnology
- ↳ Food industry
- ↳ Cell Biology
- ↳ Genomics and proteomics

Material Sciences, Micro- and Nanotechnology

The miniaturization of many everyday devices, ranging from microsensors in cars, cellular phone, PDA, navigation systems, electronic equipment and medical devices requires the integration of small components. Testing large quantities of micro- and nanoscale samples has become a challenge due to their size and complex structure. Their functionalities, performances and compliances can be characterized in real-time by our DHM. Its insensitivity to vibration, non-contact measurement principle and robustness opens a wide range of applications for industries such as:

- ↳ MEMS and MOEMS
- ↳ Micro optics
- ↳ Micro- and Nanotechnology
- ↳ Semiconductor
- ↳ Surface analysis