

# modulight

Products for  
**MEDICAL**  
Applications



# Modulight Solutions for Oncology & Ophthalmology

Modulight provides a **comprehensive portfolio** of lasers for **oncology** applications, from **photodynamic therapy** to **photoimmunotherapy**, enabling precise and patient-friendly **cancer treatments**.



Our **ophthalmic lasers** bring precision and ease of use to the treatment of retinal diseases – from **AMD** to **CRS and PCV** – helping clinicians deliver better outcomes for patients.



**Modulight ML7710** is a **multi-indication** and multichannel laser platform designed for demanding medical environments. Engineered for both clinical and research applications, ML7710's cloud-connectivity and intuitive user interface make it suitable for various medical applications, ranging from **photoimmunotherapy (PIT)**, **photodynamic therapy (PDT)** to **fluorescence imaging** and **photothermal therapy**.

The system can be equipped with **up to eight (8) laser outputs** on same or different wavelengths between **UV to 3000+ nm** and configured for each application.



## Indications:

- Glioblastoma
- Lung cancer
- Bladder cancer
- Prostate cancer
- Head and neck cancer
- Fluorescence endoscopy



**ML6710i** is an FDA-approved ophthalmic laser platform for photodynamic therapy with **VISUDYNE®\*\***, indicated for **age-related macular degeneration (AMD)**. The laser (689 nm) is wirelessly controlled via a mobile device and features built-in **cloud connectivity** for secure data access. It comes with a Slit Lamp Adapter (SLA) and foot switch for easy operation, and can be supplied as a **complete treatment station** with instrument table and slit lamp.

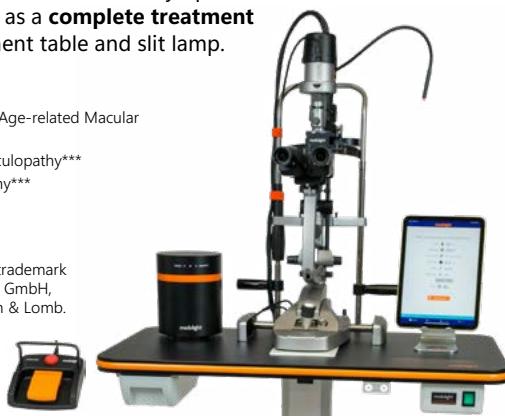
## Indications:

- CNV due to Neovascular Age-related Macular Degeneration\*
- Polypoidal Choroidal Vasculopathy\*\*\*
- Central Serous Retinopathy\*\*\*
- Ocular Oncology\*\*\*

\* FDA-approved

\*\* VISUDYNE is a registered trademark of Cheplapharm Arzneimittel GmbH, used under license by Bausch & Lomb.

\*\*\* Non-FDA-approved

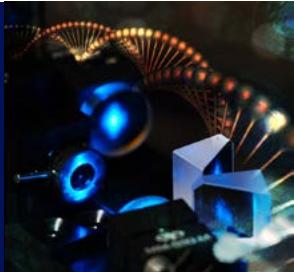


# Advanced In Vitro & In Vivo Solutions

Our lasers enable **cutting-edge in vitro applications** – from **high-throughput assays** to **hypoxia studies** – supporting **drug discovery** and **biomedical research** with reproducibility, flexibility, and cloud-connected workflows.



Modulight's lasers for **scientific applications** are widely used in **flow cytometry**, **fluorescence microscopy**, and **in vivo studies**, providing stable, wavelength-tailored light for **demanding biomedical research**.



**ML8500** is a fully automated biomedical illumination system. It enables **sequential illumination** of multi-well sample plates with optional fluorescence imaging/measurement. Prepare your samples, load into ML8500, and fully automatic system runs your tests. Operating the biomedical illumination system is very easy with an **intuitive touch screen interface** and **Modulight's cloud**

ML8500 supports **multiple illumination stations** for different plate formats (24, 96, 384, and 1536 wells), allowing simultaneous illumination of areas of varying size.

## Applications

- Drug development and validation
- Hypoxia and oxygen-controlled experiments
- Cell-based assays and viability studies
- Dose-response and light-dose escalation
- Photosensitizer screening



**ML6600** is a smart and versatile laser platform designed for medical and scientific research. With wavelengths from **UV to 3000+ nm** and **multi-laser integration**, it delivers the precision needed for **flow cytometry**, **microscopy**, **photobiomodulation**, and more.

ML6600 integrates seamlessly into clinical instruments and regulated research environments. Its **Cloud connectivity** enables remote monitoring, and predictive maintenance, ensuring **reliability** for critical applications.



## Applications:

- Flow cytometry
- Fluorescence microscopy
- In vivo studies

ML6600 platform can host different laser technologies, and the device is tailored for your application.

# This is Modulight

We fight cancer with science and technology

- Modulight is a biomedical company designing and manufacturing laser devices for oncology, ophthalmology, and advanced scientific applications.
- Exclusive supplier to 10+ pharma, other Fortune 500 companies and well-known cancer centers.
- 20+ years track record of FDA and CE approved semiconductor lasers & optics (UV – 3000+ nm) for medical and high value-add applications.
- Modulight's operations have been certified according to ISO 13485, ISO 27001, ISO 9001, and ISO 14001 standards.

- Patented laser platforms that increase treatment efficacy through Modulight Cloud.
- Full in-house expertise covering sophisticated diode and fiber laser technologies, including DBRs, VECSELs, VCSELs, and more.
- Complete control of the value chain: epitaxy, chip processing, optics, electronics, software all done in-house.
- Visit us virtually from link below and learn how Modulight supports clinicians and researchers worldwide!



modulight.com



Virtual Visit