

Founded in 2014, *Lyocon* benefits from 17+ years experience in lasers and photonics to offer their expertise in **design, development** and **production** of laser sources and systems for the **industrial, aesthetic** and **medical** markets.

- Optical design and simulation
- Electronic design, Software and Firmware
- Mechanical design
- Prototyping and Test
- Production & Custom Series

*Lyocon* is an **ISO 9001:2015** certified Company.

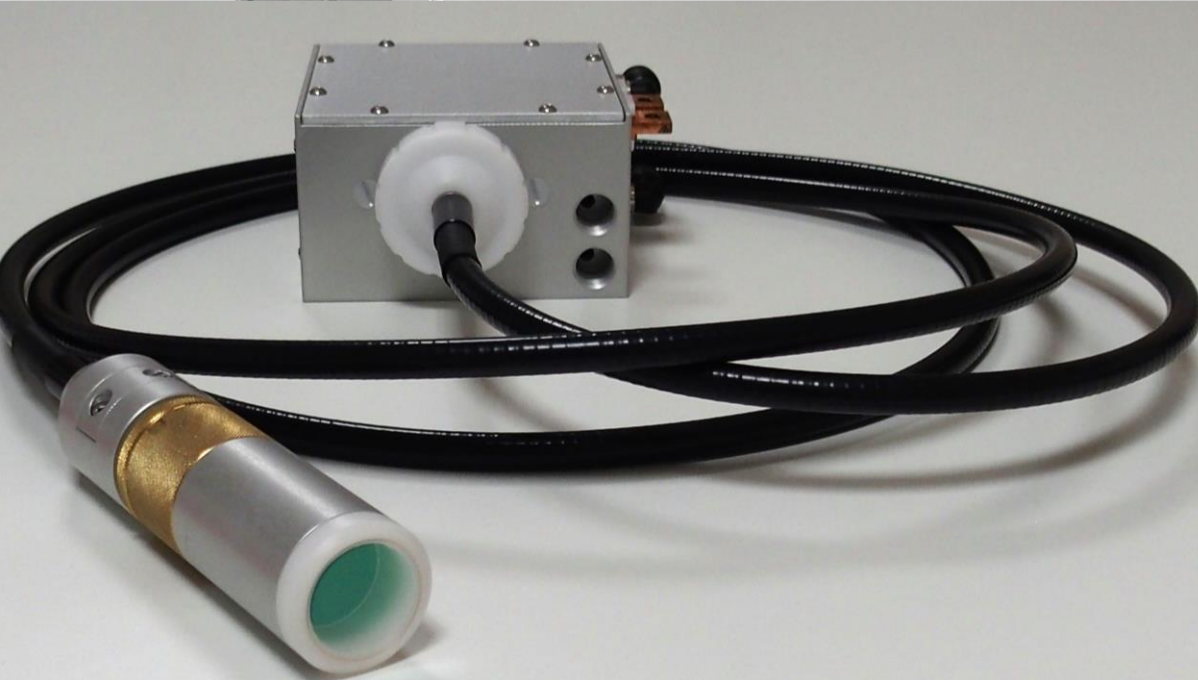


# DAPHNE

Liquid Fiber coupled module for high-homogeneous large-application-area dermatological treatments

- VIS / NIR wavelength single or mixed
- Peak Power up to 3000W
- Optical Transmission Efficiency > 90%
- Typ. spot size: 0,5 ÷ 3,0 cm<sup>2</sup>
- Advantageous **Flat Top** beam profile

- *Hair removal*
- *Physiotherapy*
- *Acne treatment*



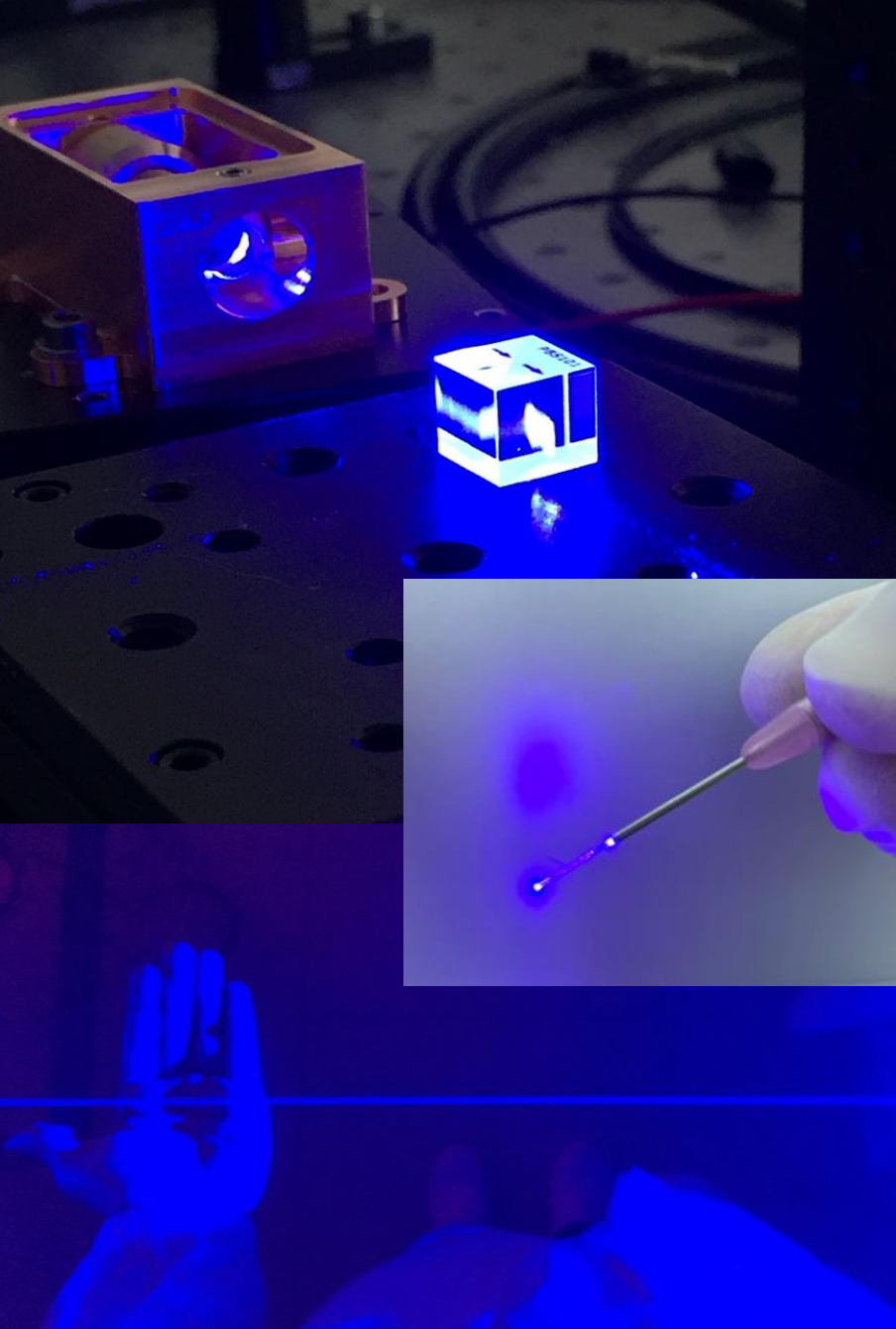
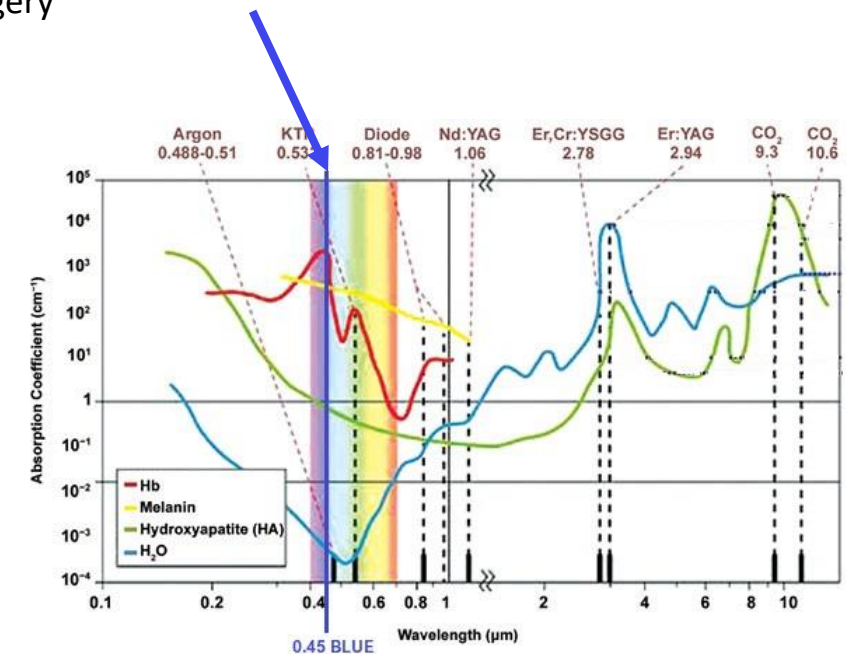
# BLUE family

Fiber Coupled 445nm diode laser  
for Surgery/Dermatological Applications

➤ High absorption by hemoglobin & melanin / high permeability in water

- ❑ Ideal solution for soft tissue treatment (1/3 power required for dental surgery compared to IR 980nm diode)
- ❑ Fast coagulation for bloodless surgery
- ❑ Low debris

- ❖ Dermatological surgery
- ❖ Dental surgery
- ❖ Blood vessel treatment
- ❖ Aesthetic treatments
- ❖ Acne treatment
- ❖ prostate surgery (*case study*)
- ❖ liver surgery (*case study*)



# M2W family

## Multi-Wavelength VIS/NIR fiber-coupled modules

- Possibility of combining up to 4 wavelengths in the range VIS+NIR
- One laser module allows a variety of treatments, including
  - ❖ Dermatological
  - ❖ Surgery
  - ❖ Aesthetic
  - ❖ Bio-stimulation
  - ❖ Physiotherapy

TYP NIR: 808-980-1064-1470-1550nm

TYP. VIS: 445-530-640nm

