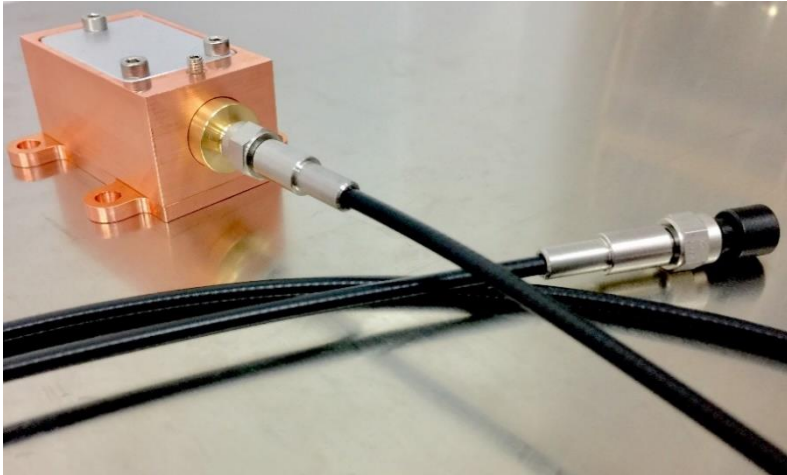


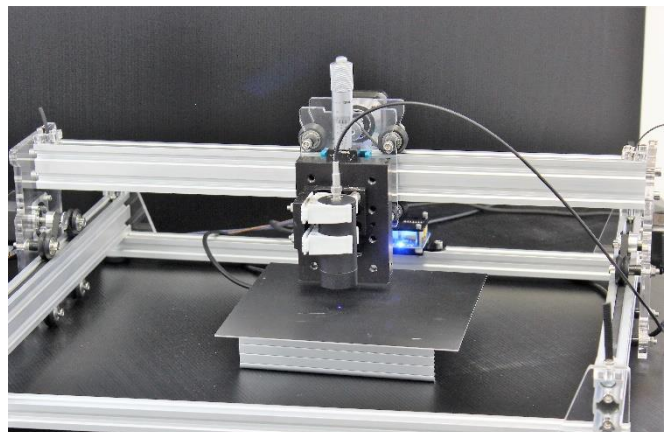
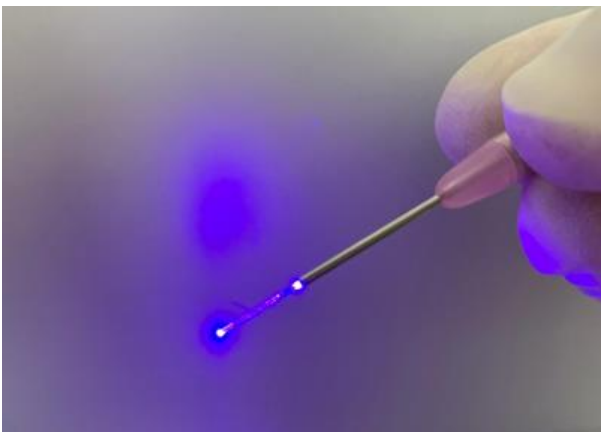
## BLUE 3/5W



Fiber  
Coupled  
**450nm**  
diode laser  
module

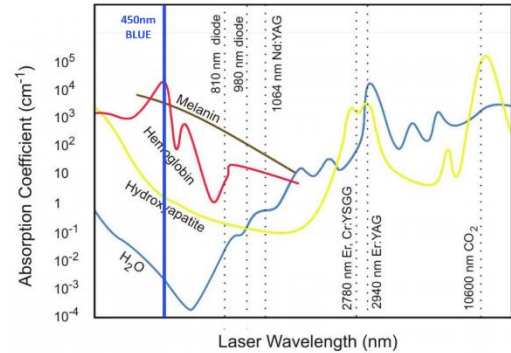
for **Dental/Dermatological** applications or **Plotter Marking**

- 
- 3-5W fiber output power
  - Down to 50 $\mu$ m fiber
  - Extremely compact & low cost
  - Ease of integration
  - No consumables, long lifetime
  - Custom versions available
- 

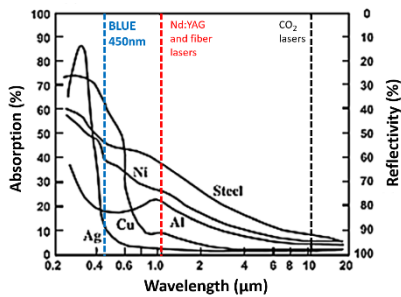


## Dental / Dermatological applications

The **BLUE 450nm** laser light, thanks to its absorption by the very first tissue layers, is the new frontier for non-invasive **dental surgery** of soft tissue without bleeding and has several **decontamination** effects, thus being ideal for bleaching and dental hygiene.



## Plotter Marking



Thanks to the strong absorption of **BLUE 450nm** radiation by different kind of materials (up to 20x compared to IR wavelengths), this low power fiber coupled BLUE is a valid substitute to CO2 lasers on **Plotter applications** for textile cutting and marking, as well as Food Branding, Labelling and Security Marking.

## Technical Specifications

### Dental / Derma

### Plotter

Wavelength	445nm +/-5nm	445nm +/-5nm
Output Power	3-5W	5W
Operating Current	2.5-3.8A	3.8A
Operating Voltage	4.5V	4.5V
Operational Mode	CW / pulsed	CW
Beam delivery	Optical fiber	Optical fiber
Fiber type	SMA >100μm NA 0.22	SMA 100μm NA 0.22
Module Size	60x25x19mm <sup>3</sup>	60x25x19mm <sup>3</sup>
Available Options	Fiber detect NTC Photodiode Aiming Beam	Focusing Head 50μm fiber (custom)

The module is also available with Liquid Fiber and Handpiece especially designed for ACNE treatment.

\* Conditions unless otherwise stated: typical parameters at 25°C ambient temperature.

## CONTACTS

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