

**HYPER PHOTONICS**  
Laser System Development



## **HYPER DIODE 1470**

The Latest in Endovenous Laser Technology



### FOR PATIENTS

Safer and gentle  
Less swelling  
Less bruising  
Less pain  
Almost no complications

### FOR DOCTORS

Easy procedure  
High versatility  
Cost reduction

**The unique clinical and technical solution for patients and doctors. Internal Ethernet connection for remote diagnostic and clinical data sharing**

# HYPER PHOTONICS

## Laser System Development



### Specifications

|                            |  |
|----------------------------|--|
| <b>Model</b>               | <b>Hyper Diode 1470</b>                    |
| <b>Wavelength</b>          | 1470nm                                     |
| <b>Max Power</b>           | 17W  |
| <b>Mode</b>                | Cw, single pulse, pulse sequence, pulsed   |
| <b>Repetition rate</b>     | From 0.2 to 4000 Hz                        |
| <b>Pulse duration</b>      | From 125 $\mu$ s to 99 s                   |
| <b>Beam delivery</b>       | Optical fiber                              |
| <b>Bare optical fibers</b> | single use endovascular kit , radial fiber |
| <b>Aiming beam</b>         | Red adjustable <4mW @ 635nm (class 3R)     |
| <b>Mains</b>               | 115-230Vac, 50-60 Hz, 2.6-1.2A             |
| <b>Size</b>                | 360 mm (W) x 330 mm (D) x 185 mm (H)       |
| <b>Weight</b>              | 13 Kg                                      |
| <b>Laser Class</b>         | Class 4                                    |

The 1470 nm wavelength targets the water in the vein wall instead of the hemoglobin. This results in a more comfortable procedure for patients without post-operative bruising or swelling.

The water absorption rate at 1470nm is approximately 60 times more than the 980nm lasers.

Through this laser, physicians get the superior laser results of better than a 95 percent success rate with closing the vein; and they either have the same or less bruising that can be got with the radiofrequency closure devices.

The benefits are the following: treatment takes less than an hour, no general anesthesia, little to no pain or bruising, no recovery period, return to daily activities immediately, no scarring.

Endovenous laser ablation uses heat energy to close the vein from the inside, quickly relieving patients of symptoms.

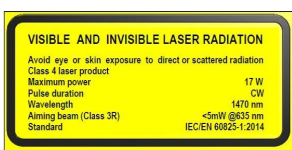
Procedures are quick and pain-free. Patients can walk out of the clinic. After a few weeks the large veins on their leg are completely gone.

Patients no longer suffer from the pain and swelling.

### ACCESSORIES

Radial Optical Fiber

Endovascular kit



Hyper Photonics products are manufactured according to the International Standards and have been cleared by the most important International notified bodies. The company is EN ISO 9001-2015 and EN ISO 13485-2016 certified. It is specialized in manufacturing of lasers and opto-electronics devices.



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