



**HYPER PHOTONICS**  
Laser System Development



## **HYPER DIODE 1470**

The Latest in Laser Lipolysis



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

### FOR PATIENTS

- Safe, fast, effective
- Minimal discomfort during the procedure
- Simultaneous skin-tightening avoid loose skin
- No stitches required
- No general anesthesia required
- Faster recovery

### FOR DOCTORS: GETTING STARTED

- Training with laser specialist
- Live demonstration



### 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 and reusable optical fiber + lipolysis handpiece
<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

Laser lipolysis is the least invasive method of treatment for fat reduction.

Hyper Diode 1470 emits at a wavelength highly absorbed by fat compared with other wavelength. Laser light energy is absorbed causing the swelling and rupture of adipocytes. When the fat is melted, it can either be absorbed by the body or removed by the physician with liposuction. While melting the fatty tissue the Hyper Diode 1470 also tightens the surrounding skin, preventing it from sagging after the fatty deposits have been removed. The heating effect of the laser induces new collagen and elastin formation within the skin. Shrinking is more pronounced and skin is much smoother than after classical liposuction.

Laser lipolysis is less invasive than classical liposuction because only a 1-2mm incision is required to insert the cannula with the optical fiber and there is no need for general anesthesia.

The fatty tissue removal process requires less external force and exertion compared to the standard liposuction.

Thermally induced coagulation minimizes bleeding and trauma, as well as post-treatment bruising and swelling. Patients can expect shorter recovery times and a reduced need for compressive garments, while they can get back to their daily activities immediately after the procedure.

Hyper Photonics offers a unique handpiece with small outer diameter cannulas and an integrated aspiration channel.

For getting started with the laser lipolysis, Hyper Photonics organizes training and live demonstration to the doctors.



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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### ACCESSORIES

#### Lipolysis handpiece with different cannulas

Lipolysis handpiece body with optical fiber and aspiration connections  
2.5mm diam 15cm length, 2 holes cannula  
3mm diam 25cm length, 5 holes cannula  
4mm diam 25cm length, 5 holes cannula

#### Reusable Optical Fiber

#### Single use Optical Fiber