

# Diode Laser

980NM+1470NM - LASEEV PRO



## APPLICATION OF DIODE LASER 980NM+1470NM LASEVV PRO



## SPECIFICATION

<b>Laser type</b>	Diode Laser Gallium-Aluminum-Arsenide (GaAlAs)
<b>Wavelength</b>	980nm+1470nm
<b>Output power</b>	1-30w for 980nm; 1-17w for 1470nm
<b>Working Modes</b>	CW Pulse and Single
<b>Aiming Beam</b>	Adjustable Red Indicator Light 650nm
<b>Fiber type</b>	Radial Fiber
<b>Fiber diameter</b>	600 Fiber
<b>Fiber connector</b>	SMA-905 International standard interface, special quartz optical fiber laser transmission
<b>Pulse</b>	0.01-1s
<b>Delay</b>	0.01-1s
<b>Voltage</b>	100-240V, 50/60HZ
<b>Indication light</b>	650nm, intensity control
<b>Net weight</b>	± 8.5kg
<b>Machine size</b>	41*31*27cm
<b>Gross weight</b>	± 15kg
<b>Packing dimension</b>	55*37*49cm

## ADVANTAGES 980NM+1470NM ?

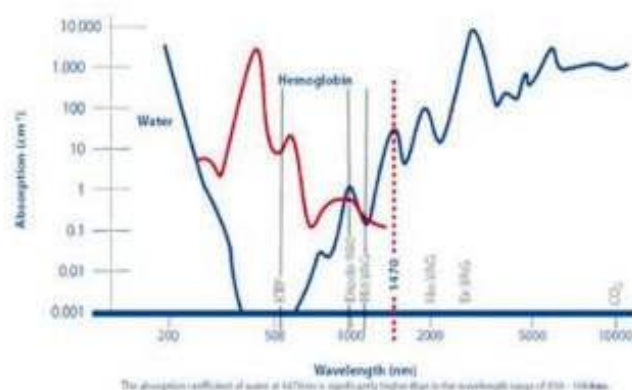
The described effect on the tissue is achieved by means of an indication specific combination of wavelengths – for instance, a wavelength of 1470 nm produces the optimum conditions for efficient vaporization of the fat tissue and for tightening the overlying connective tissue. Coagulation of the blood vessels, on the other hand, is achieved by using a complementary wavelength of 980 nm.

- Less and Sometimes No Blood Loss for Surgery
- Optical coagulation: Seal blood vessels without thermal cauterization or carbonization coagulate precisely at same time
- Avoid collateral tissue damage , increase tissue-protecting surgery
- Minimize post-operative inflammation and discomfort
- Controlled depth of laser penetration accelerated patient healing
- Increase patient turnover rates with more efficient laser procedures
- Reduce patient discomfort and the need for anesthetic

## WHY 980NM+1470NM ?

Optimal degree of water absorption in the tissue, emits energy at the wavelength of 1470 nm. The wavelength has a high degree of water absorption in the tissue, and 980 nm provides high absorption in hemoglobin. The bio-physical property of the wave used in the Laseev laser means that the ablation zone is shallow and controlled, and therefore there is no risk of damage to adjacent tissues.

Additionally, it has a very good effect on blood (no risk of bleeding). These features make the Laseev laser a safer.





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