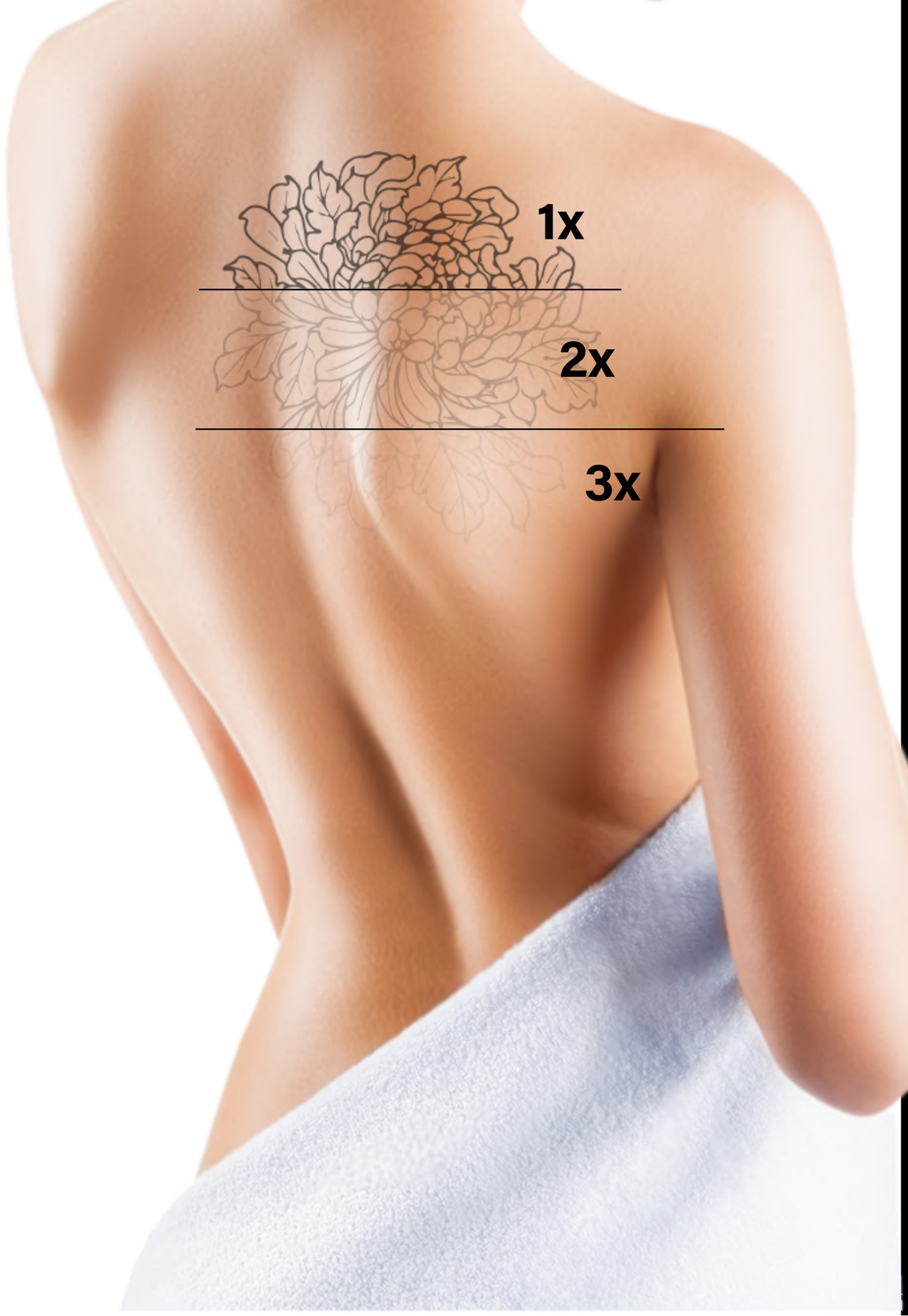


PICOFOCUS

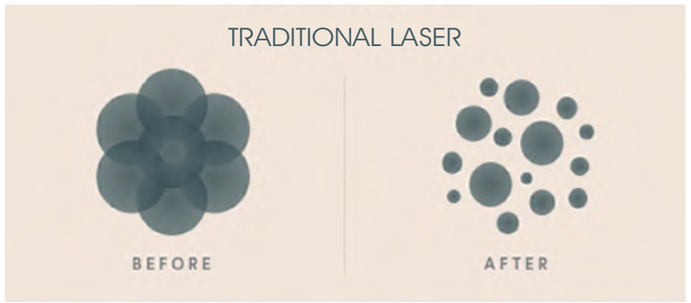
PICOSECOND LASER MACHINE

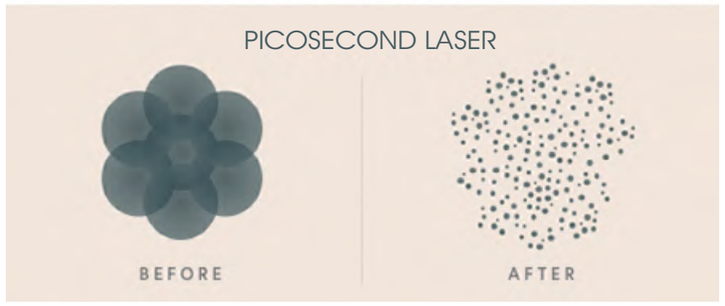
The most powerful pigment and tattoo removal solution on the market

- HIGH PEAK POWER
- SHORTEST PULSE
- VARIOUS WAVELENGTHS
- VERSATILE TREATMENTS

Pigment removal / Tattoo removal / Skin rejuvenation

Picosecond Laser VS Nanosecond Laser



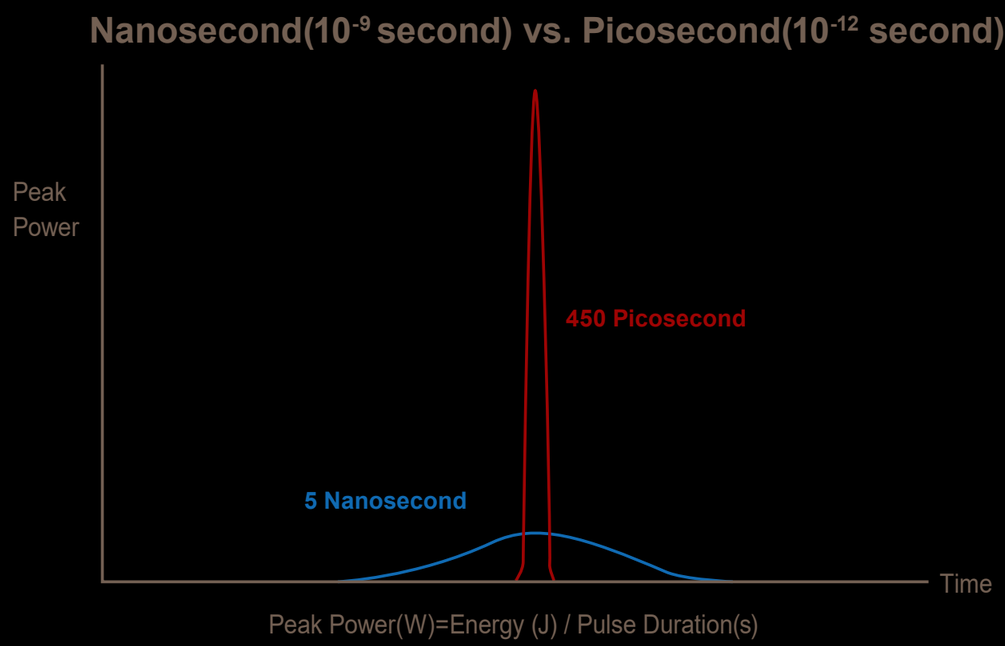


Minimized Risk & Minimized Discomfort

Minimized Risk and Minimal Discomfort: The ultra-short pulses also optimize the delivery of energy to the targeted ink particles ensuring the ink is effectively treated, while the least amount of heat gets transferred into the skin, you'll feel minimal discomfort throughout the procedure.

More Effective & Faster Result

Picosecond laser is 100 times faster than traditional nanosecond technology, as a result, the picosecond laser system breaks up tattoos faster than traditional laser. Picosecond laser will shatter even tiny ink particles making it easier for the body to clear the tattoo ink.



Much Higher Peak Power

High Peak Power Means Greater Efficacy

The high energy levels of Picofocus allow pigment/tattoo removal with fewer treatments compared with other competing laser systems.

1064nm HP(Standard)

585nm Dye Laser HP (optional)

650nm Dye Laser HP (optional)

532nm HP (Standard)

1064nm + 585nm

650nm + 585nm

532nm

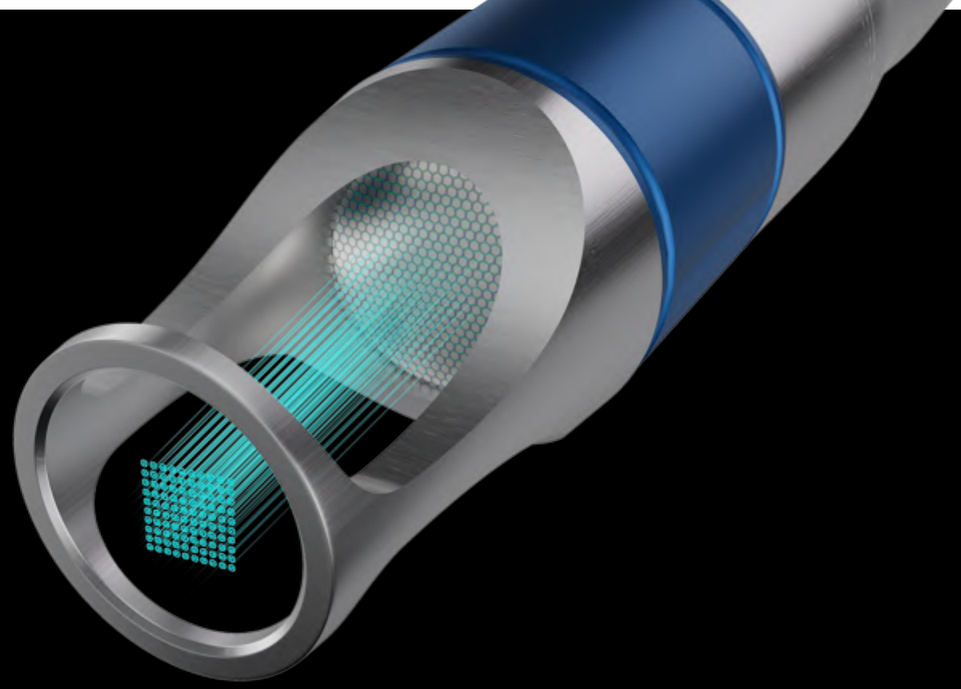
Four Wavelengths

With PICOFOCUS you can erase the rainbow.

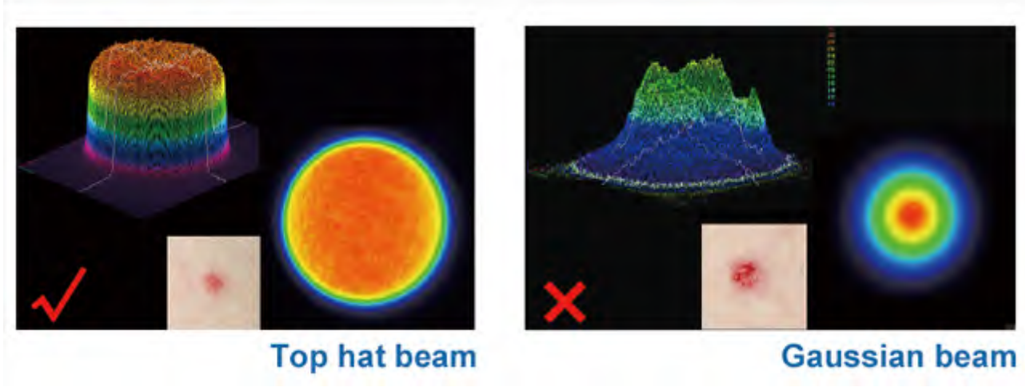
For effective shattering of the most popular pigment/ink colors, PICOFOCUS offers 4 wavelengths in order to treat the broadest range of pigment/tattoo colors, on the widest range of skin types. Its four wavelengths - 1064nm, 532nm, 650nm and 585nm - target 9 of the most frequently used tattoo colors ranging from light orange to dark black.

Focus Array Lens

The Focus Array Lens is indicated for the treatment of acne scars and wrinkles, also could improve skin texture as rejuvenation. The treatment could stimulate the production of new collagen and elastic fibers, which result in reducing fine lines and pores size, increasing skin elasticity and improving skin condition.



Optional

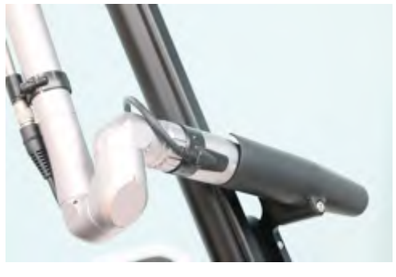


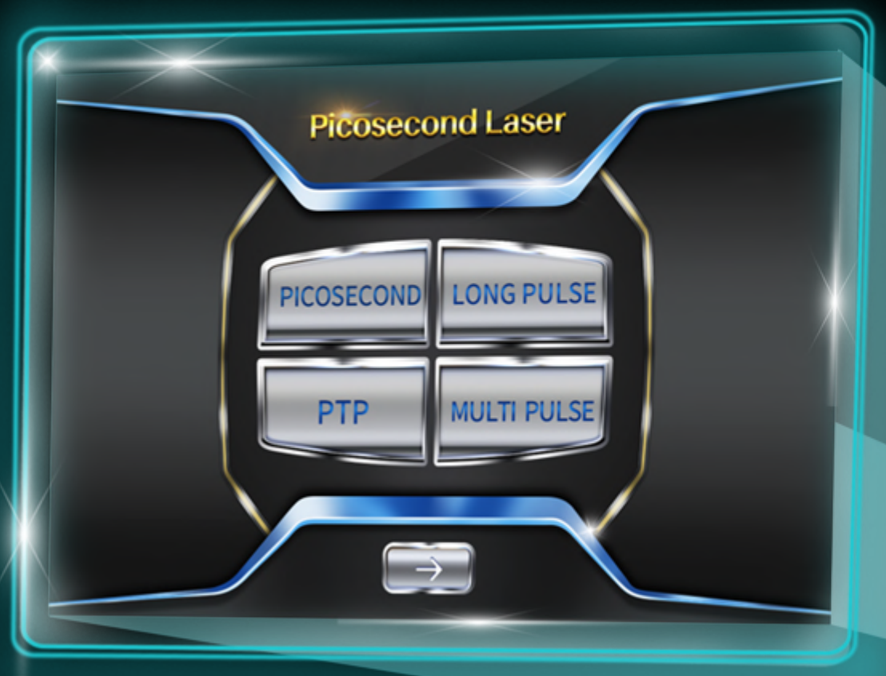
Top Hat Beam Profile

A pulse with a flat-top profile distributes the high-energy radiation particularly evenly, which destroys the target structures without affecting the surrounding tissue and significantly injuring the epidermis.

South Korean Laser Arm

The lens in the arm has high reflection accuracy, low energy loss rate, uniform light spot and stable output.





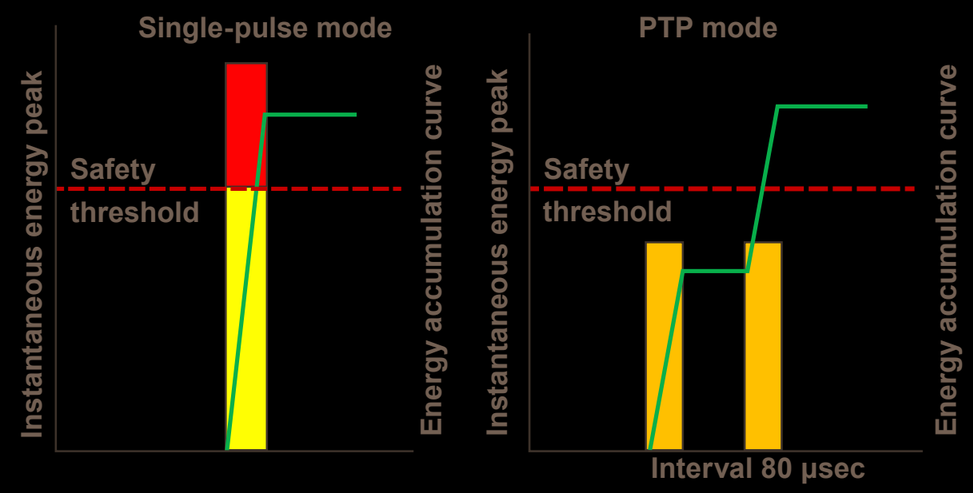
Four-mode Operation Interface

The world's unique four-mode operation interface, picosecond mode, long pulse mode, PTP mode, multi-pulse mode, fully meet the needs of various treatment projects.

User-Friendly Software System

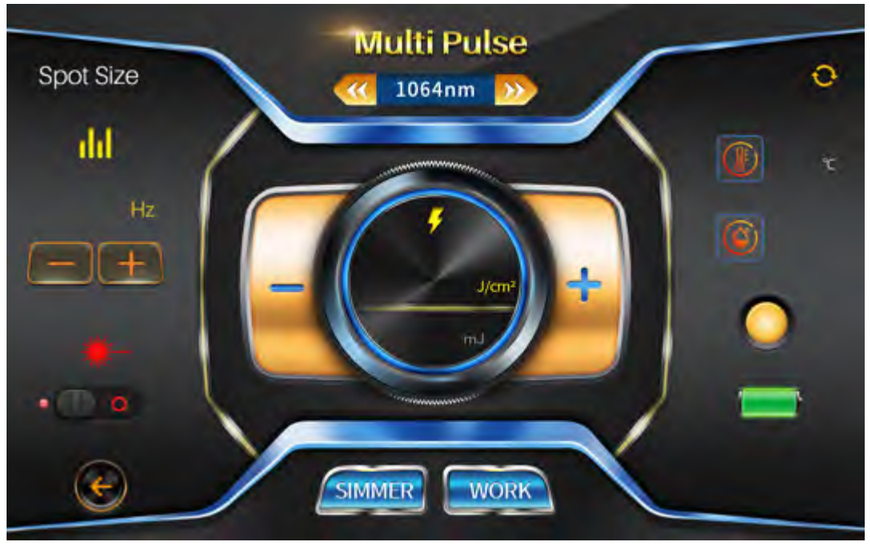
The system comes with treatment parameter suggestions for 11 commonly used treatment items. Each treatment item is set with the recommended energy, frequency and spot size, which is convenient for customers to use.

PTP Mode(Photoacoustic Twin Pulse)



The PTP mode applied to Pastelle delivers continuous high output energy in twin pulses separated by a very short pause. The PTP mode divides the pulse into two and has a lower risk of damaging surrounding tissues, is less painful and promotes faster collagen regeneration compared to previous Single Pulse method. Moreover, it also has fewer side effects of hypopigmentation and PIH. Clinical studies have shown that the PTP mode was less painful and caused milder pigment response compared to the Single Pulse of the same energy level.

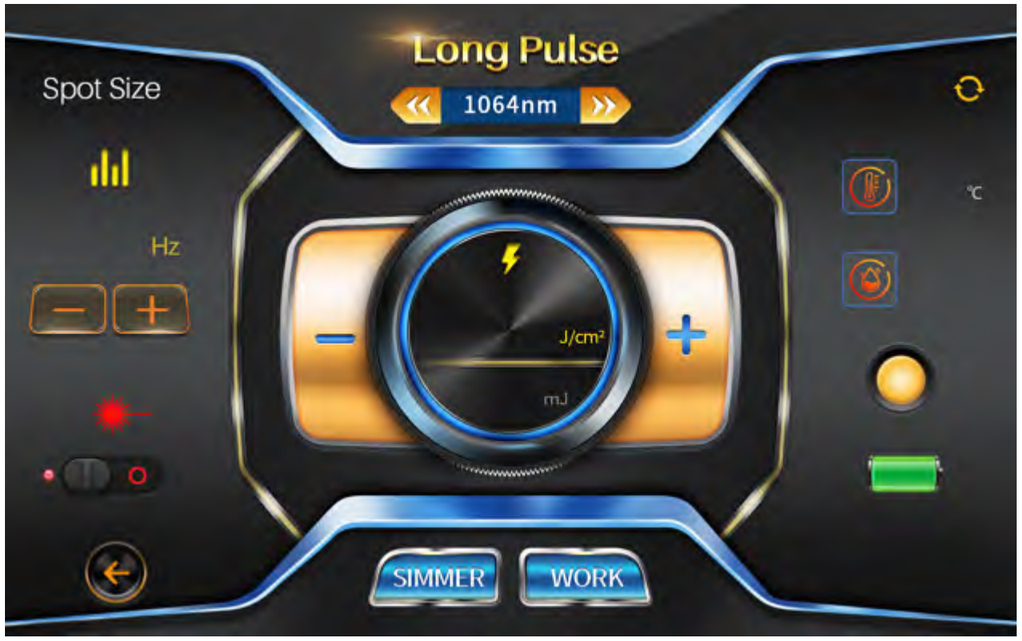
Multi-pulse Mode



Based on the PTP mode, one pulse energy is divided into three short pulses, and the three sub-pulses are continuously irradiated at short intervals, and the higher peak energy targeting the melanosome with less side effect and pain.

The Main Function of PTP & Multi-pulse Mode

For the treatment of deep intractable pigments, such as chloasma, birthmarks, nevus of Ota, etc.



Long Pulse Mode

With a pulse width of 300μs, the laser stays in the dermis layer of the skin for a longer time, stimulates the growth of fibroblasts, promotes collagen regeneration, remodels and increases elasticity and improves skin texture.

The Main Function of Long Pulse Mode

Brightening, firming, whitening, shrinking pores, removing fine wrinkles, and removing fine red blood.

Specification

Wavelength	1064nm 532nm Standard; 585nm,650nm Optional
Energy	1500mj (1064nm) ; 800mj (532nm)
Peak Power	1064nm 1.33GW; 532nm 0.67GW
Frequency	1~10Hz
Zoom Spot Size	2-10mm Adjustable
Pulse Width	450ps
Beam Profile	Top Hat Beam
Light Guiding System	7 joints Arm
Aiming Beam	Diode 655 nm (Red),