

optocoheren[®]

Pico PS Laser Tower



- Pigment Removal
- Skin Rejuvenation
- Tattoos Removal



Product Overview

532nm

Used for color tattoo

1064nm

Used for dark color tattoo

Due to their ultra-short pulse duration, picosecond lasers generate extremely high peak power in an instant, producing a strong photoacoustic (photomechanical) effect on the target chromophore.

This effect shatters tattoo ink or melanin into ultra-fine particles, which are more easily recognized and cleared by macrophages and other pigment-processing cells, while inducing a milder inflammatory response.



(1064nm / 532nm) probe



Honeycomb probe:

1. Stimulates collagen and elastin regeneration
2. Ensures a very mild inflammatory response

Advantages

- 12.1 inch high-definition large screen, perfect interactive experience with User-friendly UI, simple and easy to use.



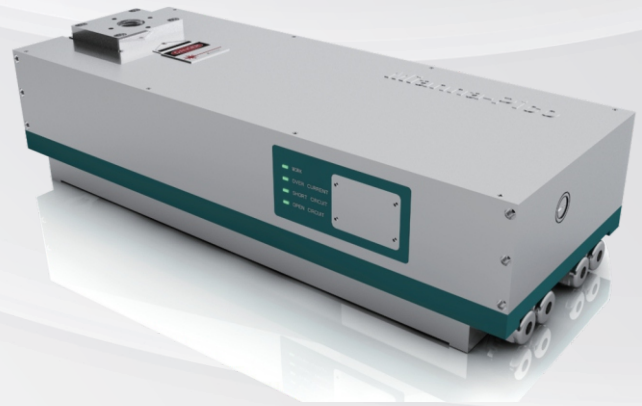
- Water and electricity separation design, safe and reliable: Modular architecture allows easy assembly, efficient troubleshooting, and simplified after-sales maintenance.
- Professional pulsed constant current laser power supply:
 - Maximum output power of 1000 W
 - Multi-stage current stabilization system
 - High-precision overshoot suppression
- Powerful water-cooling circulation system ensures up to 8 hours of continuous operation.
- PP cotton filter, easy to replace.
- Brushless DC water pump:
 - Brushless DC water pump with a maximum head of 11 m
 - High water flow rate: ≥ 4.0 L/min
 - Low noise operation: Runs quietly with minimal sound
- Stainless steel condenser, high heat dissipation efficiency.
- Korean-made light guide arm:
 - Ergonomic design for comfortable and effortless handling.
 - High-reflectivity mirrors.
 - The system automatically calculates the fluence after adjusting the spot size.
 - Adjustable handpiece allows treatment spot sizes from 2 to 10mm for customizable procedures.



● True Picosecond Laser, 450ps $\pm 10\%$

High-quality lasers offering excellent stability and a long lifespan of up to 10 million pulses.

Maximum laser energy: 700mJ (@1064nm) and 400mJ (@532nm), suitable for a wide range of treatment needs.



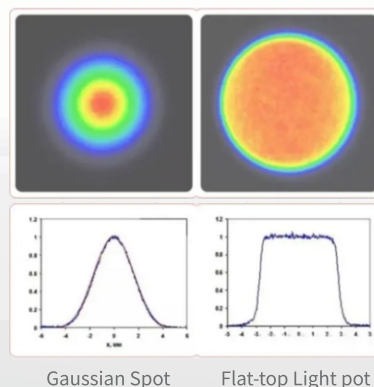
Total output power: 600W (@1064nm) and 300W (@532nm).

Seed amplification technology: Generates a low-energy picosecond seed pulse, then amplifies it to produce a high-energy picosecond laser beam for precise output.

Proven stability and reliability, with years of successful market performance.

Ultra-short pulse width of 450ps and **peak power** up to 0.7GW, ideal for pigmentation removal.

● Flat-Top Light Spot, Uniform Energy Distribution



Flat-top light spot with uniform energy distribution.

Precise energy delivery: Compared with a Gaussian beam, energy is more concentrated within the target area.

Improved treatment accuracy and reduced risk of damage to surrounding tissue.