

# optocoheren<sup>®</sup>

## Pico PS Laser

1064/755/532nm

- Pigment removal
- Skin rejuvenation
- Tattoos removal



**FDA** **CE**

# Principle

**Treatment principle** for pigmented dermatosis of Pico PS Laser therapy system lies in selective photothermolysis with melanin as the chromophore. Sinco PS Laser has higher Peak power and nanosecond-level pulse width.

Melanin in melanophore and cuticle formed cells have a short hot relaxation time. It could immediately make small selectively energy absorbed granules (tattoo pigment and melanin) blast without injuring surrounded normal tissues. The blasted pigment granules will be excreted from body through circulatory system.



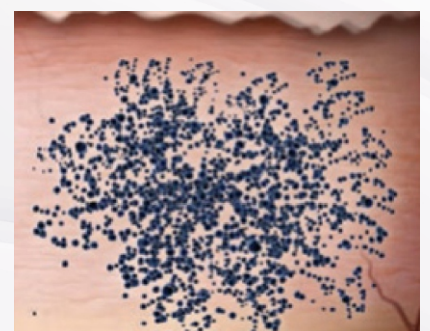
## Traditional ND yag technology

Traditional nanosecond lasers predominately rely on photothermal action, delivering heat to the pigment and surrounding tissue.



## Traditional ND yag technology

Picolaser takes advantage of Pressure Wave technology to shatter the target ink into tiny particles that are easily eliminated by the body.





# Advantage



1. Laser power supply is 500W, the energy output is stable and reliable
2. Three independent modules of the circuit part:
  - Laser power supply
  - Control circuit (mainboard)
  - Display system (interface can be adapted to different screen sizes)
3. In terms of system, independent software control, which is convenient to modify and customize products
4. Adding the communication function between the handle and the host machine
5. Heat dissipation system:
  - Integrated blow molding water tank, large capacity, no water leakage risk
  - Large range magnetic pump, fan and condenser are used to dissipate heat, which improves the heat dissipation ability and increases the energy stability and life time of the handle
6. Unique appearance design, improving the popularity of market products
7. Intelligent temperature and water flow protection, more secure protection for precision optical components of the handle and ensure energy stability
8. Providing a variety of language options, which are suitable to the needs of different countries and customization service is available

# Treatment Handle



## 3 PROBES

All Color Tattoo Removal

### 532nm

Used for colorful tattoo

### 1064nm

Used for dark color tattoo

### 755nm

Used for skin rejuvenation



755nm



532nm



1064nm



#### 532nm laser tip:

Pigment removal, red light brown green tattoo removal



#### 1064nm laser tip:

Pigment removal, dark brown removal, black



#### 755nm laser tip:

Professional for pigment removal, face speckle removal



# Before & After

**Before**



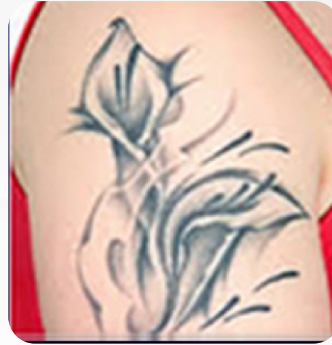
**Nevus of ota treatment**  
Wavelength: 1064nm  
Fluence: 4.0J/cm<sup>2</sup>

**After**



Spot size: 4mm  
Frequency: 3Hz

**Before**



**Tattoo removal**  
Wavelength: 1064nm Spot  
Fluence: 4.0J/cm<sup>2</sup>

**After**



Spot size: 4mm  
Frequency: 3Hz

**Before**



**Café-au-lait spots treatment**  
Wavelength: 532nm Spot  
Fluence: 1.5J/cm<sup>2</sup>

**After**



size: 4mm  
Frequency: 2Hz

**Before**



**Freckles removal**  
Wavelength: 532nm  
Fluence: 1.5J/cm<sup>2</sup>

**After**



Spot size: 2mm  
Frequency: 2Hz

# Technical Specifications

|                |                                         |
|----------------|-----------------------------------------|
| Model          | Portable Machine                        |
| Handle Number  | 1 handle, 4 probes(532/788/1064/1320nm) |
| Interface      | 8.0 inch color touch screen             |
| Power source   | AC230V/AC110V,50/60Hz,10A               |
| Energy         | 1mj-2000mj                              |
| Frequency      | 1Hz-10Hz                                |
| Packing size   | 68*62*62cm                              |
| Packing weight | 39Kg                                    |