

Certificate



EN ISO 13485



MDSAP

Certificate



EC certificate 93/42/EEC



FDA K200116 HS-298



ISO 13485

MDSAP
MEDICAL DEVICE SINGLE AUDIT PROGRAM



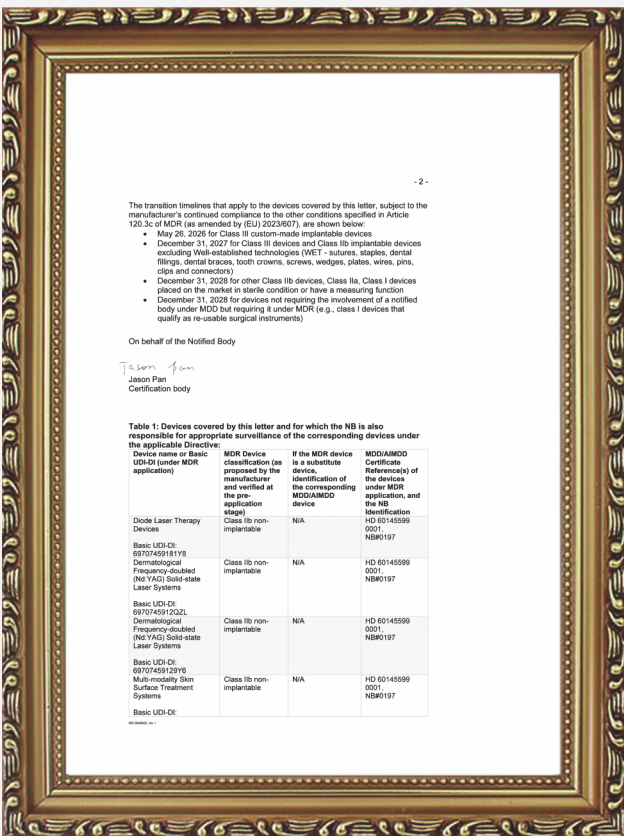
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Picosecond Laser

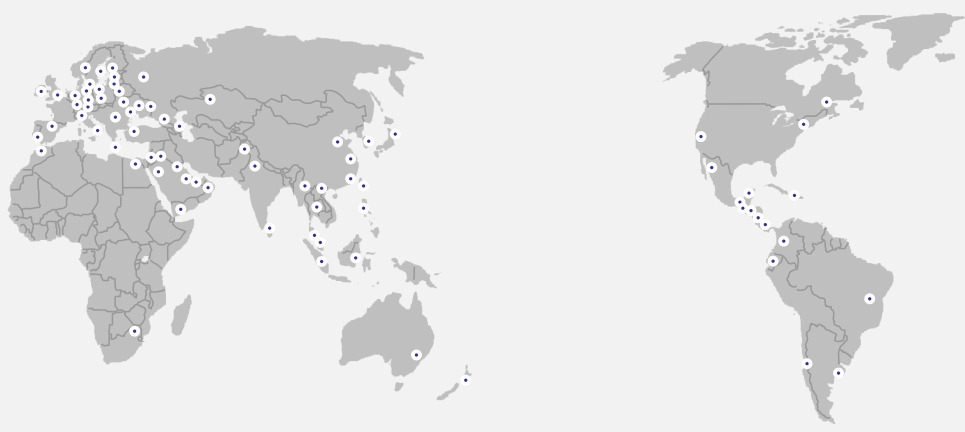


Extension confirmation letter by TÜV Rheinland



Sales Network

Today, we deliver our innovative products and services to over 80 countries worldwide through our network of 115 partners. With our extensive international presence, we are proud to offer you our products and solutions right to your doorstep.



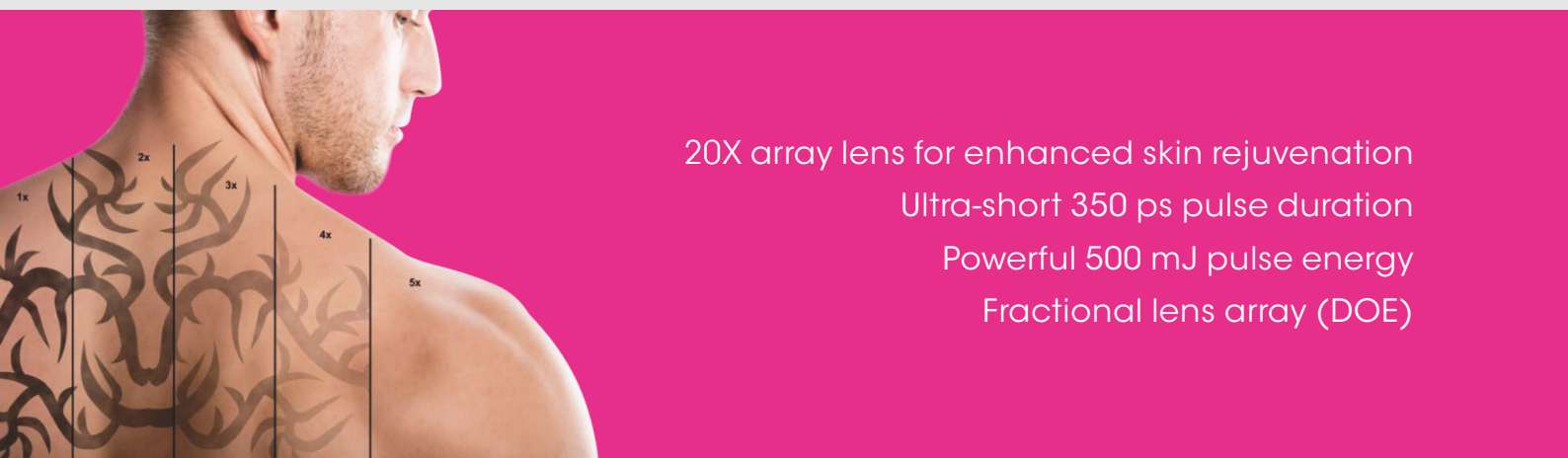
CE CE0197 TGA NMPA



U.S.FDA(510K)

Shanghai Apolo Medical Technology CO.,LTD

Global Medical & Aesthetic Expert



20X array lens for enhanced skin rejuvenation
Ultra-short 350 ps pulse duration
Powerful 500 mJ pulse energy
Fractional lens array (DOE)

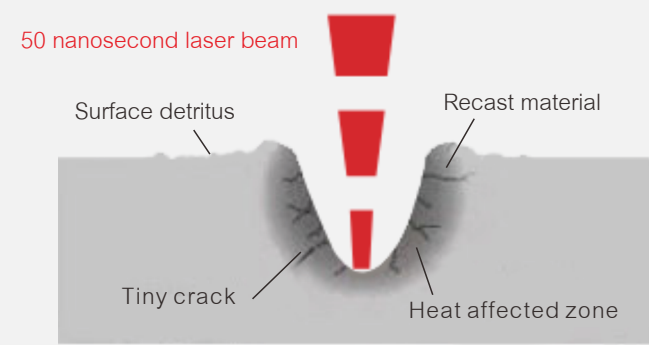
Principle

The picosecond laser is the first safe and effective aesthetic laser specifically designed to treat tattoos and pigmented lesions. This innovative system delivers ultra-short bursts of energy to the skin in trillionths of a second. These pulses create a photomechanical effect, targeting ink while sparing surrounding tissue. The ink is shattered into tiny dust-like particles, which the body naturally eliminates.

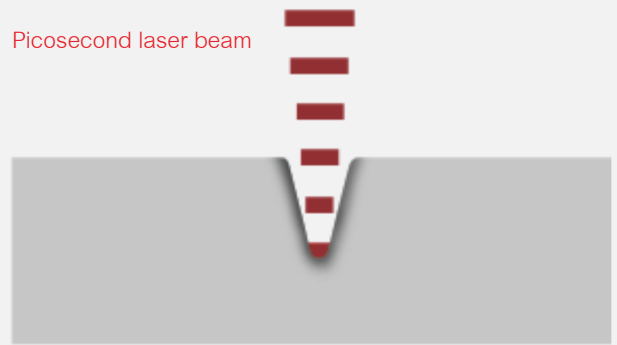


Traditional Laser

Picosecond Laser



Photothermal action



Photochemical ablation

Comparison between picosecond laser and general laser shattering melanin granules

Before and After



Specifications

Wavelength	1064/532nm
Pulse width	350~450ps
Pulse energy	500mJ:1064nm 250mJ: 532nm
Spot size	2~10mm
Repetition rate	1~10Hz
Optical delivery	Articulated arm *
Operate interface	11.6" True color touch screen
Aiming beam	Diode 650nm(red), brightness adjustable
Cooling system	Air & water Advanced cooling system, TEC cooling system (optional)
Power supply	AC 100~240V, 50/60Hz
Dimension	96*48*95cm(L*W*H)
Weight	109Kgs

* ARM-A13 CPU, Android O/S 11, 2K HD screen.



U.S.FDA 510K
K200116

TUV Rheinland
CERTIFIED

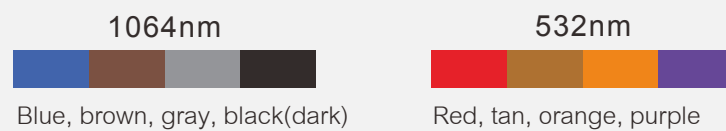
CE 0197

HS-298

Why Picosecond

- Using dual wavelengths (1064nm & 532nm), pigments are shattered more completely in an extremely short time, resulting in higher removal rates.
- Picosecond laser freckle removal employs ultra-short pulses with very high peak power, producing minimal heat (photothermal effect) and therefore causing no damage to surrounding skin tissue.
- Skin reactions after picosecond laser treatment are very mild, and the risk of post-treatment hyperpigmentation is greatly reduced. Treated areas also recover quickly after each session.

Covering tattoos of different colors



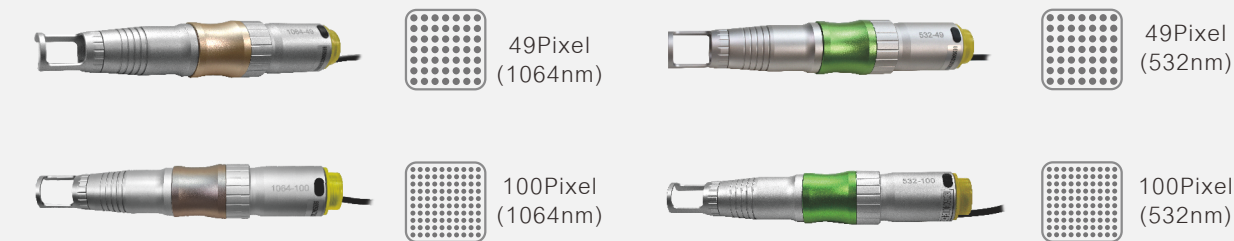
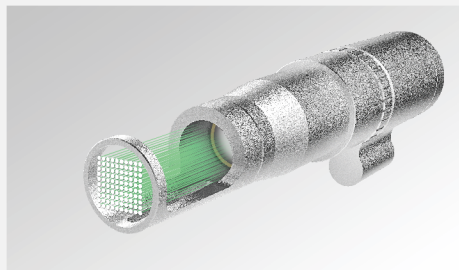
Array lens tip (532nm+1064nm)



The array lens makes the energy more concentrated, so pigment is shattered and metabolized more easily. It also stimulates collagen regeneration to help repair scars and reduce wrinkles.

Fractional Lens array (DOE 6X6mm)

The fractional lens array creates pixel-sized perforations in a 5×5 or 6×6 non-ablative pattern, evenly distributing energy across the treated area. It can also perform non-sequential scanning, which increases the interval between adjacent pulses and improves heat dissipation. This process stimulates collagen production, triggers neocollagenesis, and rejuvenates the target tissue.



Multiple Advantages

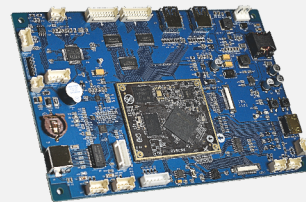
Advanced Medical Power Supply (IGBT)

- The working frequency of the IGBT power supply can reach several hundred kHz, and its response time is on the order of tens of nanoseconds.
- IGBT modules offer high integration, smaller size, and lighter weight.
- IGBT power conversion efficiency is higher, with lower power loss and heat generation.



Advanced operating system

- ARM-A13 CPU, Android O/S 11, 2K HD screen.
- Supports 16 languages and features a color touch screen interface.
- Easily adjustable treatment parameters ensure simple and precise operation.



Advanced cooling system

The powerful built-in heat dissipation device improves the machine's heat dissipation efficiency, ensuring a stable operating state and extending the machine's service life.



- Dual-wavelength (1064nm / 532nm) system supports both fractional and non-fractional treatment modes. Two pulse modes (picosecond and nanosecond) in one unit, offering a wide range of medical and surgical applications.
- High peak power and ultra-short pulses with minimal discomfort and faster recovery time.
- Stimulates collagen regeneration to repair scars and improve fine lines.
- Spot size adjustable from 2~10 mm, with automatic energy density conversion.
- RF ID management control design provides different business operation modes.

Application

