

SYSTEM SPECIFICATIONS

Laser Medium		Nd:YAG laser
Wavelength		1064 nm / 532 nm
Operating Mode		Picosecond, Q-switched mode, Nanosecond mode, Millisecond mode
Beam Profile		Flat Top Mode
Pulse Energy	1064 nm (Q-switched mode)	Max. 1600 mJ
	532 nm (Q-switched mode)	Max. 400 mJ
Max Fluence	1064 nm (Q-switched mode)	51 J/cm2
	1064 nm Long pulse 0.3ms mode	101 J/cm2
	532 nm (Q-switched mode)	22 J/cm2
Energy Calibration		External, Auto-calibration & Self-restoration
Pulse Width		900 pico - 2000 pico
Spot Size (Auto Sensing)	1064 nm	2 mm, 3 mm, 4 mm, 5 mm, 6 mm, 7 mm and 8 mm
	532 nm	1.5 mm, 2.5 mm, 3.5 mm, 4.5 mm, 5.5 mm, 6.5 mm adjustable, 7 mm parallel light
Pulse Rate	Energy ≤ 800 mJ	1 - 10 Hz (step by 1 Hz)
	Energy ≥ 800 mJ	1 - 5 Hz (step by 1 Hz)
Optical Delivery		Articulated arm with spot size adjustable handpiece
Aiming Beam		Red diode laser 650 nm, lightness 5 levels adjustable
Cooling		Closed inner circulation water & constant temperature conditioning system
Input Power		AC 200 - 240V, 50/60 Hz
Dimensions		1000 mm (L) X 500 mm (W) X 950 mm (H) or 39 in (L) X 20 in (W) X 37 in (H)
Weight		120 Kg or 264 lb

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TECHNOLOGY

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PICOLOR

DUAL PULSED Q-SWITCHED Nd:YAG LASER

DUAL MODE Nd : YAG LASER
DISTINCTIVE. VERSATILE. AFFORDABLE.



What is PICOLOR

Picolor is a Picoseconds system intended to treat skin conditions with high pulse energy and extremely short pulse duration in the range of 900 pico - 2000 pico. Unlike Nanosecond system which is characterized by longer pulse duration, increasing the risk of high & non-specific thermal effects , therefore increasing the risk of damaging surrounding tissues.

Picolor is capable for operating at 532 nm & 1064 nm wavelengths with proven performance offering diversity of all-color tattoo removal with a high degree of safety for every patient. Photo - acoustic waves in Picolor precisely shutter the pigments and tattoo ink into tiny particles that are easily eliminated by the body.

Why PICOLOR

- ✿ Different wavelengths for best treatment options.
- ✿ Fast treatments & Fast results.
- ✿ Minimal risk.
- ✿ Minimal discomfort.
- ✿ Ergonomically designed.

Indications

- ✿ Melasma.
- ✿ Epidermal Nevi.
- ✿ Tattoo removal.
- ✿ Active acne.
- ✿ Non - ablative resurfacing.
- ✿ Carbon peeling.
- ✿ Pigment lesions And more.

Scope of application

The laser wavelength of 1064 nm is effective on black on the dermis, such as black tattoo, blue tattoo, tattoo eye line, etc. Long pulse in non Q-switch mode can be used to improve chloasma and large pores, remove fine wrinkles, Smoothen whiten skin, enhance skin elasticity, Long pulse function can be used to replace IPL treatment. Meanwhile it can be used to treat nails fungus and superficial redness, etc.

The laser wavelength of 532 nm is effective on red, yellow and brown pigment lesions located on the skin surface and small area lesions, such as pigmentation on the skin surface, freckles removal etc.



Elegant Interface

The User Interface of PICOLOR is an elegant design with Golden touch color combination that displays a luxurious visual ambience. It also guarantee a very comfortable usage while operating the machine.

Features & Innovative technology

- ◇ New 7 joints articulated arm with spot size and fluence automatic modulation and synchronous display function.
- ◇ High purity green light with good therapy results.
- ◇ Main parts are supplied by international renowned company, the laser cavity mould technology makes spot size distribute evenly and no hot spot.
- ◇ Zooming and rotating handpieces, when spot size is changed, control system adjusts the laser output energy automatically to make sure the fluence is the same during the treatment.
- ◇ We adopt the most advanced cap shaped laser distribution technology, and its performance is in step with overseas similiar products.

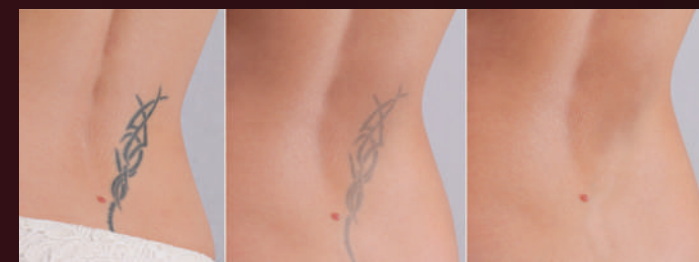
Therapy Principle

Use the selective absorption characteristics and the high peak value bursting effects of the laser beam to reach the therapeutic purpose.

The instrument uses the most advanced cap-shaped Q-switch technology which makes the laser energy released in a very short time, then forming a high peak power giant pulse. The pigment granules will rapidly expand and burst after absorbing such huge laser energy in a short time, and the cell framework will be fully preserved and repaired quickly, the pigment granules will be swallowed by macrophage and so excreted out of the body. This could treat the pigment tissues but has no destruction to the normal tissues.

Before & After

Tattoo Removal



Before

After 2 Session

After 4 Session

Acne Scar Reduction



Before

After

Epidermal Nevi



Before

After

Melasma



Before

After