

TATTOO REMOVAL Nd:YAG LASER

Sparkling

Q-switched laser

Dual wavelength

Portable system

LCD display

Touch screen

Color tattoo removing

- red
- blue
- brown
- black

Melanine defect removing

- aged spots
- lentigines
- freckles



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TATTOO REMOVAL LASER SYSTEM

based on the Nd:YAG q-switched dual wavelength laser head

This q-switched Nd:YAG laser is a fully professional device being applied in dermatology and cosmetology for tattoo removal application. The device could be applied also in the interventions of other pigmentation defect removal (such as lentigines, freckles, aged spots, post-inflammatory hyper pigmentation etc.). It has been proved highly successful for tattoo removal of eyebrow, eye lines and tattoo of other parts of body.

The state-of-the-art technology of dual wavelength beam generation is ideal for treatment of wide range of skin pigments, specially black, blue, brown and red color tattoo. Dual wavelength technique and q-switch technology of ultra-short pulse generation in nano-second range, providing the maximum pigment destruction for easier clearance of such pigment by means of lymphatic system under the skin. When the q-switching nano-second pulsing laser light is emitted, the energy is absorbed by the chromophore (pigment) in the skin tissue. It causes several chemical and physical reactions in the pigment molecules. Photo ablation and heat expansion in nano-second time range cause immediate breakage of the pigment structures forming very small particles. Tiny pigment particles are usually carried away by macrophage cells, through the lymphatic system in human body. A few may rise to the skin's surface within crusts or scabs. The latter are exfoliated away naturally within 1-3 weeks.

This laser is the smallest portable q-switched laser system available and offering the best price to performance ratio on the market. By the use most recent microprocessor- based techniques, the laser enables to control energy up to 600mJ and frequency of pulses up to 5 Hz. It gives the operator fast treatment result with low risk of scarring. With its user-friendly design, the laser system is immediately ready for treatment once turned on. Applied big LCD display supported with touch screen make the operation easy and nice.

Technical parameters:

model : CDCL-2501-01064/0,6J V-1

Laser type:	Nd:YAG
Operating mode:	q-switched
Second harmonic generation:	KTP
Wavelength:	1064/532 [nm]
Pulse energy:	600/300 [mJ]
Energy density:	12,5[J/cm ²] max
Pulse width:	8-10 [ns]
Repetition frequency:	1-5 [Hz]
Beam delivery:	direct
Spot diameter:	3 [mm]
Dimensions:	390x370x220 [mm]
Weight:	13,5Kg
Power supply:	220V AC /50Hz
Internal cooling:	air flow, forced
Warranty	24 months
Certificates	CE TUV Rheinland



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5 Szpitalna St.
00-031 WARSAW,
POLAND
TEL +48 22 8265408
FAX +48 22 6255785

www.solid-state-lasers.com
cosmetology@solid-state-lasers.com

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