

AESTHETIC LASER SYSTEM

FOR TATTOO REMOVAL



- The handpiece has a unique spot-size sensor which provides automatic measuring of fluence whenever the spot-size is changed
- The colour touch-screen display allows easy selection of optimal wavelength and other treatment parameters
- Multilingual interface menu
- Superior articulated arm to enhance treatment procedure
- Compact, mobile, quiet
- Single-phase electrical main, no external water requirements

Laser tattoo removal and pigmented lesion treatment are non-invasive procedures that completely remove skin defects leaving one's skin looking scarless and, most importantly, spotless.

In the past, tattoo removal was performed by dermabrasion, salabrasion, cryosurgery, or acid injections. All of these approaches left either serious scarring on the skin or unpigmented, "blotchy" areas where tattoos used to be.

Lasers for tattoo removal eliminate these unfortunate side effects. The Q-switched Nd:YAG laser is the newest system in this class of lasers. The laser system offered by SOLAR LS can treat any tattoo type from very small tattoos to large multicolored ones and pigmented lesions. This is provided due to the possibility of choosing the optimal laser radiation wavelength and spot size during treatment.

The laser system provides high power radiation, which passes through the skin but absorbed by ink or pigment. Rapid selective absorption of light energy by ink or pigment causes their fragmenting into thousands of tiny particles, which are then removed by the body's natural filtering systems.

The use of optimized wavelengths, pulse width, variable fluencies and spot sizes results in tattoo removal and pigmented lesion treatment without any skin damage.

ISO 9001 certified





Multifunctional Nd:YAG/Alexandrite Laser Systems for aesthetics

The laser generates two time-proved Q-switched wavelengths for the most effective treatment of pigmented lesions and all colours of tattoos.

Chromophore	black	blue	green	red	orange	pigment
Q-Sw Nd:YAG (1064 nm)	OK	OK	OK			OK
Frequency Doubled Nd:YAG (532 nm)				OK	OK	OK



Ruby laser for treatment of pigmented lesions

SPECIFICATIONS

Specifications are subject to change without notice

Laser Type	Q-switched Frequency Doubled Nd:YAG Laser	
Laser Wavelength, nm	1064	532
Maximum Energy delivered to tissue, mJ	400	200
Pulse Width, nsec	7	6
Fluence, J/cm ²	0.4 to 13	0.2 to 7
Spot Size, mm	2 to 6	
Repetition Rate, Hz	Single shot, 1, 2, 5, 10	
Beam Delivery System	Articulated arm	
Aiming Beam	Red laser diode (630...675 nm)	
Control Panel	8.4" colour touch screen	
Cooling	Self contained, water-to-air	
Dimensions (without arm), mm	350 (W) x 700 (D) x 900 (H)	
Power Requirements	100 V or 120 V +/- 10%; $\leq 12 A$ 220 V or 240 V +/- 10%; $\leq 9 A$	
Environmental Conditions	15...27°C ambient	



CW Nd:YAG laser for surgery

SOLAR Laser Systems also offers other aesthetic laser systems for medical applications:

- Multifunctional Nd:YAG Laser Systems for aesthetics
- Ruby laser for treatment of pigmented lesions
- CW Nd:YAG laser for surgery
- Alexandrite aesthetic laser system

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