

Ex-QTMLaser

Q-SWITCHED ND: YAG LASER THERAPY SYSTEM

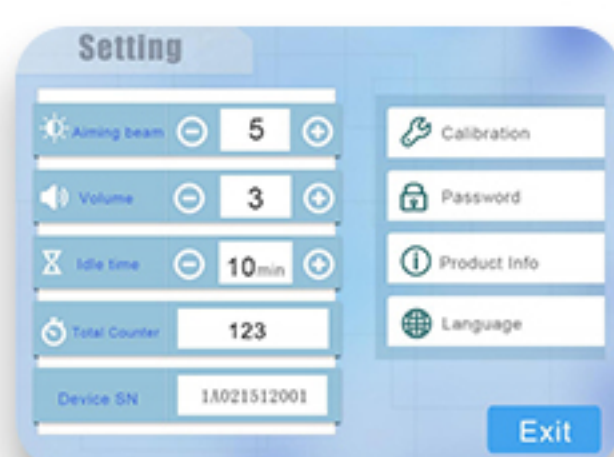
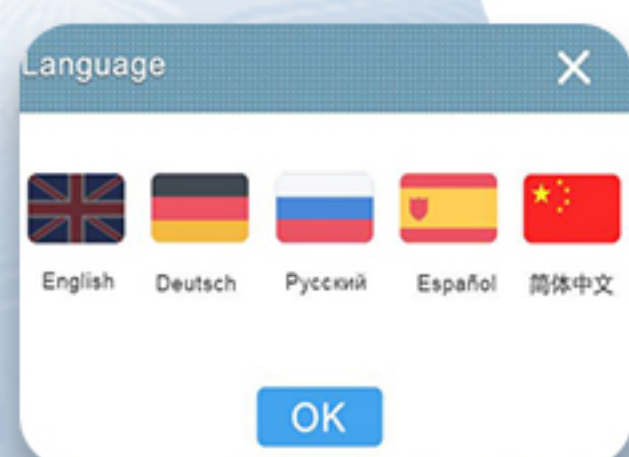


PRODUCT DISPLAY

ExQ-Laser™ is newly released Q-Switched Nd:YAG laser therapy system. The system has an optimal clinical treatment effect with following parameter designs: dual-wavelength switching of 1064nm & 532nm, pulse width short to 5ns and Energy output up to 1000mJ.



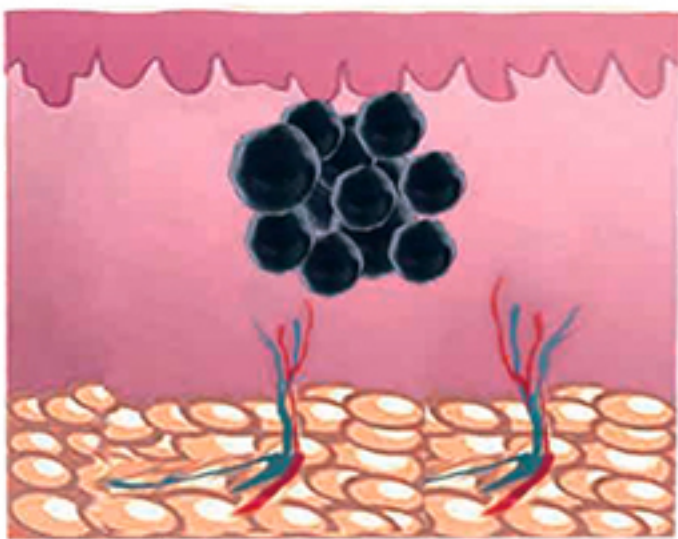
INTERFACE



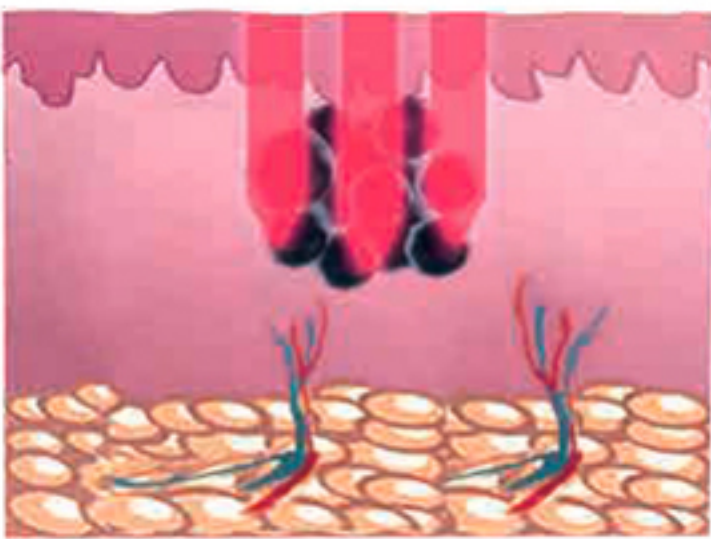
Principle

Treatment principle for pigmented dermatosis of Q-Switched Nd:YAG Laser Therapy system lies in selective photothermolysis with melanin as the chromophore.

Q-Switched Nd:YAG has higher Peak power and nanoseconds-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.



1.Melanin granules in skin

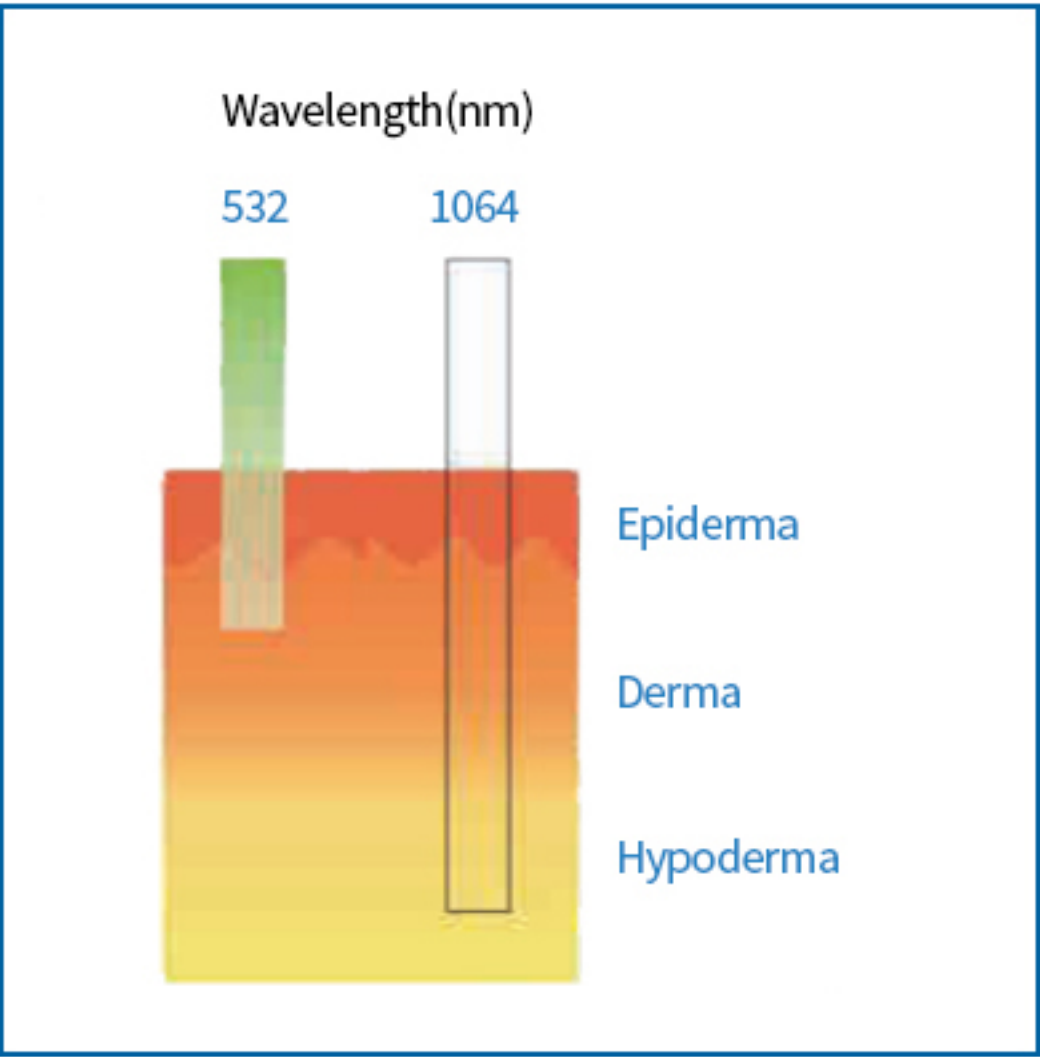


2.Melanin granules' absorbing laser energy



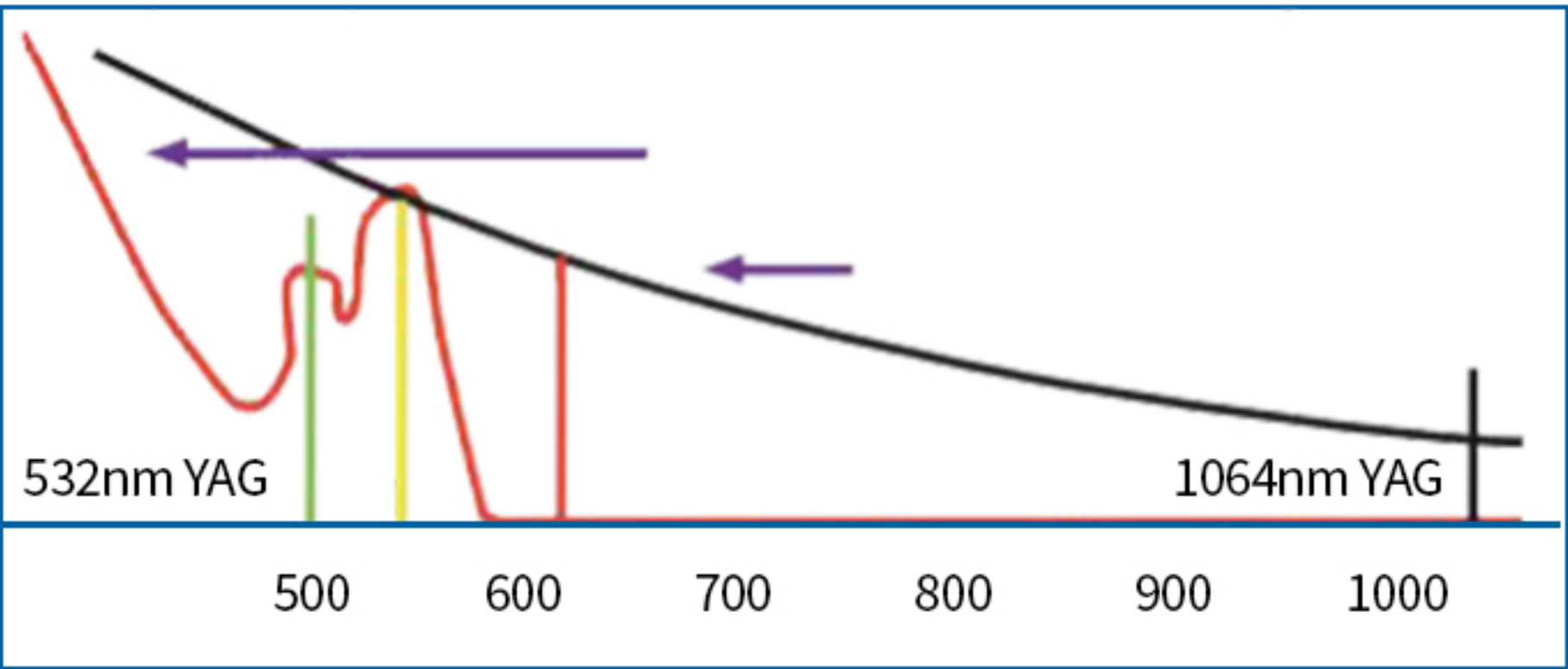
3.Instantaneously blasted of melanin granules

Depth of penetration in the Skin



- Clinical Indications:
- 1064nm nevus of ota, black and blue tattoo
 - 532nm freckles, café-au-lait spots, red tattoo
- Advanced Tattoo Removal
- 1064nm targets darkink
 - 532nm targets red

Absorption Spectrum for Melanin and Hemoglobin



ADVANTAGE

ExQ-Laser™ integrated with real-time energy monitor, energy auto-changing by adjustable handpiece, water filtration system, sufficiently guarantee the safety and efficiency during using. New UI designs focus on user experience, make the operation simpler and more convenient.



Seven Jointed articulated arm:

TUV and FDA standards articulated arm for little laser transmission loss.



Auto-Detected Handpiece Spot size:

- Adjustable handpiece, spots size setting from 2 to 10mm.
- The energy synchronously changes following the setting spot size.



APPLICATION

FDA,TUV Medical CE,TGA approved

Q-Switched yag laser



BEFORE & AFTER

Before

After



Nevus of ota treatment

Wavelength: 1064nm

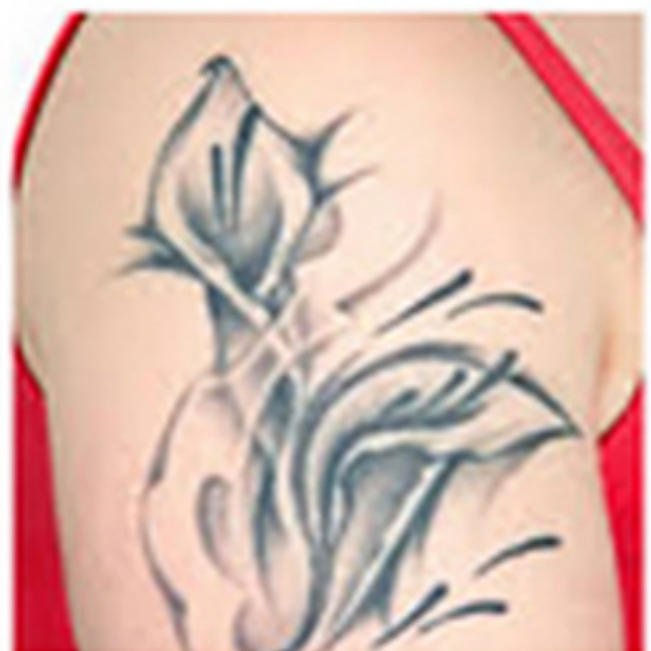
Fluence: 4.0J/cm²

Spot size: 4mm

Frequency: 3Hz

Before

After



Tattoo removal

Wavelength: 1064nm Spot

Fluence: 4.0J/cm²

size: 4mm

Frequency: 2Hz

Before

After



Freckles removal

Wavelength: 532nm

Fluence: 1.5J/cm²

Spot size: 2mm

Frequency: 2Hz

Before

After



café-au-lait spots treatment

Wavelength: 532nm Spot

Fluence: 1.5J/cm²

size: 2mm

Frequency: 2Hz

SPECIFICATION

Laser type	Q-Switched ND:YAG		High energy Q-Switched ND:YAG	
Wavelength	1064nm	532nm	1064nm	532nm
Pulse width	5ns	5ns	8ns	8ns
Pulse energy	500mJ	200mJ	1000mJ	500mJ
Pulse energy range	200-500mJ	100-200mJ	100-1000mJ	100-500mJ
Frequency	5Hz		5Hz	
Spot size	2-10mm adjustable		2-10nm ajustable	
Fluence	0.2-16J/cm ²	0.1-6.3J/cm ²	1.3-32J/cm ²	0.6-16/cm ²
Aiming beam	635nm, <5mW			
Electrical requirements	110-240VAC 50-60Hz 1200VA			
Dimension	351mmx925mmx775mm (without optical articulated arm)			
Net weight	80Kg			



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