



# PRODUCT BROCHURE

Q Switched ND Yag Laser  
(NBW-QLI)

## **Brief Introduction**

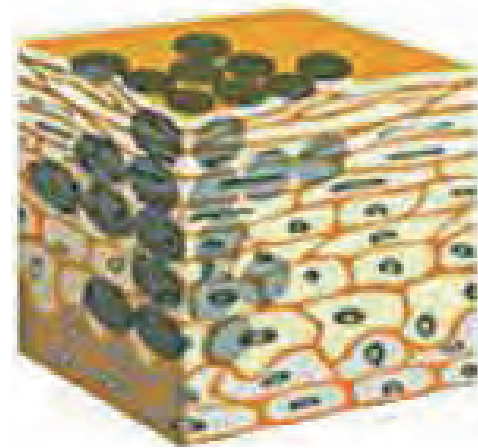
The laser equipment is based on the principle of selective photothermal effect of laser light. The machine using nd-yag solid-state lasers and advanced laser Q-switching technology, and laser frequency conversion technology. Laser Q-Switch is like a high-speed shutter, can emit laser energy in a very short time to form a high energy density of giant pulse.





## *How does it work?*

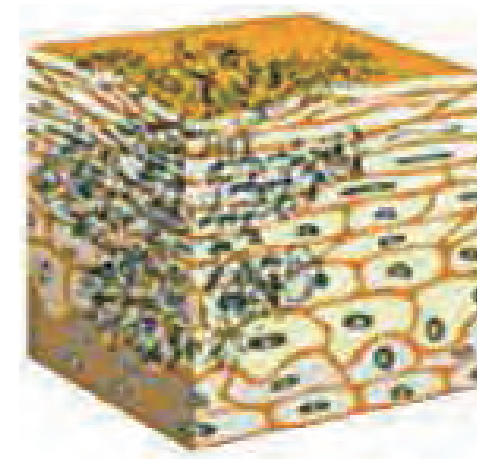
The Q-switched ND: YAG laser delivers light of specific wavelengths with high energy which are absorbed by the pigment and result in a shockwave. The shockwave shatters the pigment particles, releasing them from their encapsulation and breaking them into fragments small enough for removal by the body. These tiny particles are then eliminated by the body. Since this specific wavelength can only be absorbed by pigment particles, no injury to skin and normal tissues will occur.



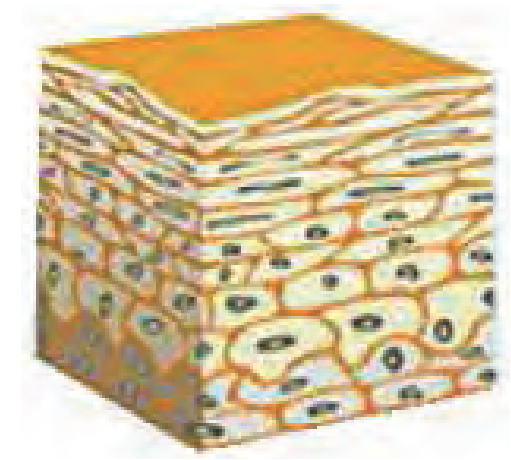
Pigment granules in skin



Pigment granules are heated and expand when absorbing laser



Pigment granules expand and crack



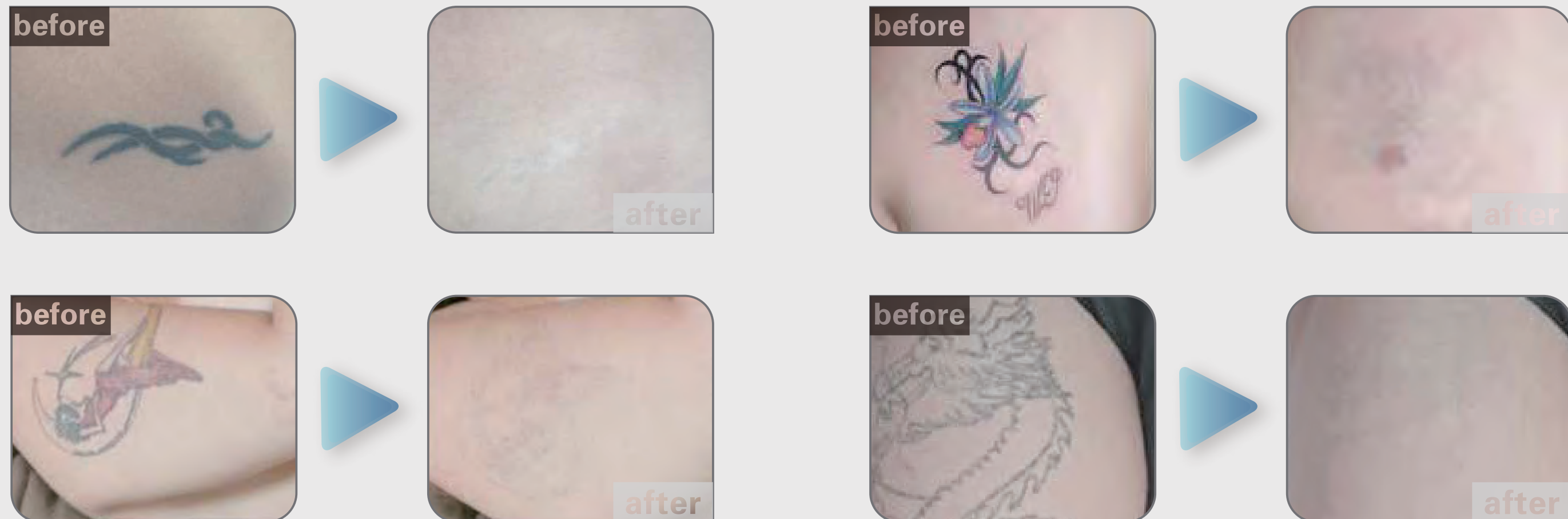
Pigment granules are removed finally

## Scope of treatment

### Applications

- ▶ Epidermal pigment: Body Tattoo, Eye line and brow Tattoo
- ▶ Dermal pigment: Nevus of Ota, Aging Spot, Freckle
- ▶ Laser facial: oil control, skin rejuvenation, skin pore improvement

## Before & After






## *Technical parameter*

Laser output method	Pulse adjusting Q
Consumed power	800W
working Laser wavelength	1064nm;532nm;1320nm
Laser pulse width	8ns±2ns
Output frequency	1Hz,2Hz,3hz 4hz 5Hz;6hz
Single pulse max output energy	100-2000mJ
Cooling system	Water cooling + air cooling
Physical dimension	260×430×300
net weight	15kg

## *Advantage*

- 1** Different heads for different pigment treatment.
- 2** Big power, high energy, perfect treatment effect.
- 3** Special designed cooling system ensures constantly working.
- 4** Safety:No side effect, No harm to normal skin, the certain wavelength laser just take effect on abnormal skin;
- 5** Adopt the superior crystal accessories(xenon lamp, crystal), which greatly ensure the work stability and powerful energy.
- 6** Painless:No need of anasthesia during operation;
- 7** Easy to control:very friendly operation display screen, so easy to handle it.
- 8** Popular with patients and easy to get the investment back.
- 9** Aluminum alloy package, convenient for transportation.

## features >> 3 probes

Wavelength	Function	Description
530nm 	Colorful tattoo	532nm wavelength: get rid of freckles, eyebrow tattoo, failed eye line tattoo, tattoo, lips line, pigment, telangiectasia in shallow red, brown and pink and etc. light color
1064nm 	Black and dark colors of tattoo	1064nm wavelength: get rid of freckles and yellow brown spot, eyebrow tattoo, failed eye line tattoo, tattoo, Birthmark and Nevus of Ota, pigmentation and age spot, nevus in black and blue, scarlet red, deep coffee and etc. deep color.
1320nm 	Skin whitening; pores closing	Flat mirror wavelength: shrink pores removal, pblackhead removal, skin tightening and whitening, skin rejuvenation, wrinkle removal



## 8 inch big LCD display screen

- ▶ Clear&convenient operation touch screen, humanization operation system
- ▶ Intelligent self-checking system, check water flow and temperature automatically, which confirm the safety, Stability and longer life of the machine





**W**e are professional manufacture with best engineers and technical team, R &D team and service team. All our products are developed and designed by ourselves. We supply professional OEM/ODM service. We can give you the best technical and service support.



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