

# ND YAG Laser for face and body

Pigmentation & Tattoo removal  
Skin rejuvenation



## Product Description

- Wavelength 1064nm/532nm
- All colors tattoo, eyeliner and lip line removal.
- Therapy of epidermis and dermis pigmentation
- Skin care rejuvenation and wrinkle removal etc.
- Suitable for all skin color , Suitable for all skin type.
- Nevus of Ota, blue naevus, black nevus, coffee spot, etc.
- Senile plaques, freckle, sunburn spot and chloasma removal.



- Korean laser arm, light loss rate less than 13%
- Single pulse energy 800mj
- Free 360 of rotation, ensure constant energy of laser power



## Screen

12 inch color touch screen

## Wavelength

1064nm & 532 nm

## Spot size

2-8mm adjustment

## Treatment Principle

- Therapy of epidermis and dermis pigmentation--Utilizing the explosive effect of the Nd: YAG laser, the laser permeate the epidermis into the dermis which includes amount of pigment mass. Since the laser pulses in nanosecond but with super high energy, the shot pigment mass swell quickly and breaks into small pieces, which will be eliminated through metabolic system.
- Therapy of the dilatation of capillary vessel---- Utilizing the heat effect of the Nd: Yag Laser, the laser is absorbed by the hemachrome in the capillary vessel, and then the capillary vessel become blocked and disappear.



Pigment granules in skin



Pigment granules are hested and expand when aboorbing laser



Pigment granules expand and crack



Pigment granules are removed finally

- Epidermal pigment Body Tattoo, Eye line and brow Tattoo
- Dermal pigment : Nevus of Ota ,birth mark ,Coffee Spot ,Age Spot Freckle
- Skin rejuvenation, facial whitening, lip line and eyes line removal.

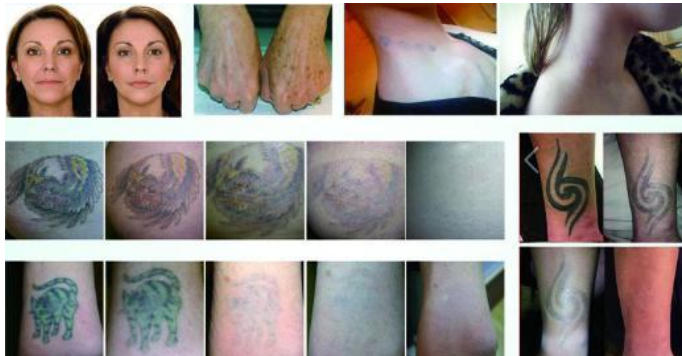


Removing eyebrow tattoo, eye line, lip line eyelid tattoo etc

Dispelling pigment deposit and improving laser skin rejuvenation procedures

Age pigment ,birthmark nevus removal

Treating tattoos of different colors



• **Treatment Area of ND YAG Laser machine**

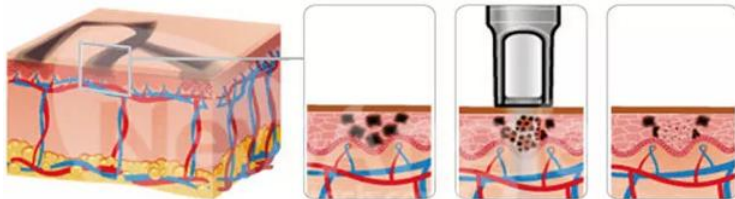
All color tattoo, eyeliner and lip line removal  
 Epidermis and dermis pigment Nevus of Ota, blue nevus, black nevus, coffee spot, Senile plaques, freckle, sunburn spot and chloasma  
 Skin whitening and wrinkle removal etc





## Widely applications of nd yag lasertattoo removal machine

- 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 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.



- Luxury design
- Import laser arm: rate of energy loss  $\leq 13\%$
- Free 360 of rotation, ensure constant energy of laser power
- It is more shock-resistant than existing products with advanced design



- Round Spot: average output



- The spot size is 2-8mm adjustable



# Picosecond Laser Comparison with traditional q switch laser

Parameter	
Laser wavelength (nm)	1064nm/532nm
Laser wavelength for aiming light	650nm(red color)
Laser	Single pulse、 double pulse 、 long pulse
Output energy(mj)	Single pulse、 Double pulse
Long pulse	Singlepulse:1064nm:100mj-1000mj;532:100mj-450mj
	Doublepulse:1064nm:200mj-2000mj;532:200mj-950mj
	Long single pulse: 1064:1500mj Long double pulse: 1064:2450mj
Pulse repetition(Hz)	Single pulse:1Hz-10Hz
	Double pulse: 1Hz-5Hz
	Long pulse :1Hz-5Hz
Energy stability	≤1%@1064≤2%@532
Pulse width	Single pulse:≤6ns@1064nm;≤5ns@532nm
Beam profile	Flat top
Spot diameter	2mm-10mm(adjustable)
beam divergence	<0.75mrad
Power supply	2000W
Water tank capacity	9L
Number of articular optical arm	7 节
Arm weight	10.2kg
Water temperature	15-28° C
Weight (whole machine )	70kg
Advantage	1.Single pulse max ( 1000mj-1200mj)
	2. Uniform spot energy distribution (internal honeycomb technology)
	3.Good energy stability and spot stability
	4.High electro-optic conversion efficiency (> 2.5%) (efficient electronic control system)
	5.The mechanical structure design is compact and stable



# Thanks!

BEIJING JONTELASER TECHNOLOGIES CO., LTD

C12, Hegu Industrial Park, High-tech Development Zone,  
Zhuozhou City, Hebei , China

---

Tel + 86 (10) 5721 2057

Web: [www.jontelaser.com](http://www.jontelaser.com)

Email: [info@jontelaser.com](mailto:info@jontelaser.com)