

# ***PICOSENCOND + LONG PULSE ND:YAG LASER***

HAIR REMOVAL

VASCULAR LESION

SKIN REJUVENATION

TATTOO  
REMOVAL

SKIN  
REJUVENATION

STRONG DUAL HEAT  
EXCHANGER

# THERAPY PRINCIPLE



## Therapy of Epidermis and Dermis Pigmentation

Utilizing the explosive effect of the Nd:YAG laser, the laser penetrates the dermis, targeting the pigmented mass. The laser pulses in picoseconds with high short pulsed energy to quickly break up the pigmented mass in to small pieces, which are absorbed by the metabolic system.

## Therapy of the Dilatation of Capillary Vessel

Utilizing the thermal effect of the Nd:YAG Laser, the laser is absorbed into the hemoglobin of the blood vessel. The heat vaporizes the blood and vessel collapses. The body will naturally absorb the collapsed vessel.



# INDICATIONS

## **Dermis Pigmentation:**

- ❖ Birth mark
- ❖ Ota nevus
- ❖ Ito nevus
- ❖ Black nevus

## **Man Made Pigment:**

- ❖ Tattoo
- ❖ Permenate Makeup

## **Epidermis Pigmentation:**

- ❖ Freckles
- ❖ Solar Lentigines
- ❖ Melasma
- ❖ Post-inflammatory Hyperpigmentation (PIH)

## **Vascular Lentigines:**

- ❖ Vascular Lesion
- ❖ Spider Vessel
- ❖ Spider Veins

## **Skin Rejuvenation**



# ND: YAG LONG PULSE + PICO LASER

With Multiple Modalities:

Hair Removal, Vascular Lesion, Skin Rejuvenation, Tattoo Removal, Pigmented Lesions

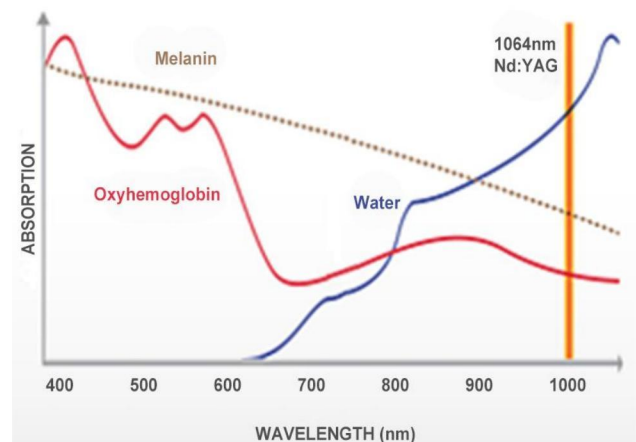


## 1064 Pico Pulsed Nd:YAG - Tattoo Removal

Nd:YAG and Pico Second lasers offer a powerful solution for various skin treatments. The Nd:YAG laser is known for its ability to penetrate deep into the skin, making it effective for treating deeper pigmentation and skin conditions. The Pico Second laser provides ultra-short pulses of light, which are particularly effective for breaking down pigments into smaller fragments, leading to faster and more efficient treatment. This combination allows for precise targeting of pigmented lesions and tattoo inks, resulting in improved outcomes for patients.

## 1064 Long Pulsed Nd:YAG Laser Hair Removal

The long-pulsed Nd:YAG laser has a relatively lower absorption rate for melanin pigments compared to other lasers, making it more effective and safer for hair removal on all skin types.



## 1064nm Long Pulsed Nd:YAG Laser - Skin Rejuvenation

The long-pulsed Nd:YAG laser has lower absorption in melanin, allowing deeper thermal penetration into the skin. This deeper penetration reaches the dermis, where it can stimulate collagen and elastin production, helping to reduce sagging skin and wrinkles.

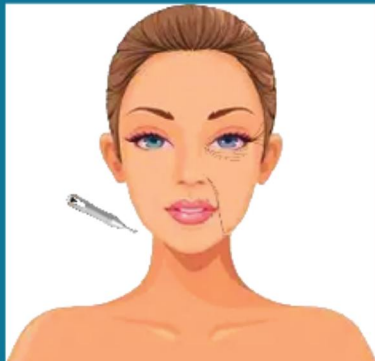
# APPLICATION



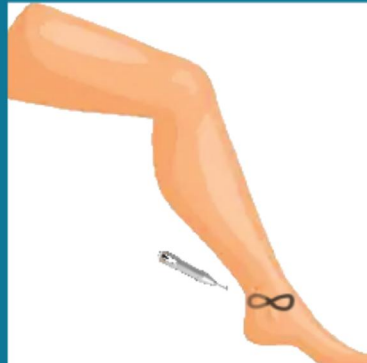
Melasma & PIH Improvement



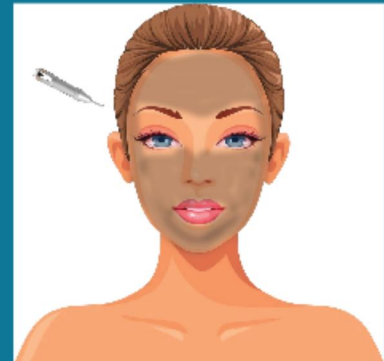
Nevus of Ota & ABNOM Removal



Skin Rejuvenation



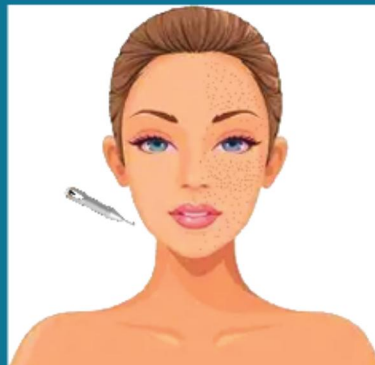
Tattoo Removal



Carbon Peel



Hair Removal



Freckle, Lentigines,  
Cafe-au-lait, Age Spot,  
Becker's Nevus



Vascular Treatment

# HANDPIECES



## Zoom Handpiece

Adjustable from 2 to 10mm with 1mm step  
Main Usage :  
Mode-picosecond 1064/532,  
long pulse 1064 , Regenerate 1064/532



## Collimated Handpiece

8mm fixed collimated handpiece for carbon peeling  
Main Usage :  
Mode: picosecond 1064/532,  
long pulse 1064 , Regenerate 1064/532



## Cellular Handpiece

Round size, Diameter : 14mm  
Main Usage :  
Mode-picosecond 1064/532,  
Regenerate 1064/532



## Fractional Handpiece

49 fractional dots in 7x7mm  
Main Usage:  
Mode-picosecond 1064/532,  
Regenerate 1064/532



## 650 Dye Handpiece

Repetition rate: 1Hz  
Spot size: 2mm  
Mode - picosecond 532, Regenerate 532



## 585 Dye Handpiece

Repetition rate: 1Hz  
Spot size: 2mm  
Mode - picosecond 532, Regenerate 532

# TECHNICAL SPECIFICATION

SYSTEM TYPE	PICOSECOND	LONG PULSE		REGENERATE
Wavelength	1064nm ; 532nm	Single 1064nm	Multi 1064nm	1064nm ; 532nm
Pulse Width	750ps	Single :500-5000us	Multi : 100-300µs	750ps*3
Maximum Rep Rate	Up to 10 Hz	Long: 1hz	1-10hz	Up to 10 Hz
Spot size	2-10mm	2-10mm	2-10mm	2-10mm
Maximum Energy	Single pulse 1064nm: 100-800mj; 532nm:100-400mj  double pulse : 1064nm:100-1600mj; 532nm:100-800mj	Single: 1-30J Flunce:31.84j/cm2 2mm	Mutti:200- 3000mj Flunce:6.36j/cm2 2mm	80-2400mj Flunce:2.54j/CM2 2mm
Light guide beam:	650nm red laser	650nm red laser	650nm red laser	650nm red laser
Power requirement:	220V, 10A, 50/60Hz			
Machine dimensions:	680mm×400mm×820mm			
Net weight:				

# THANK YOU



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