

# THREE SYSTEM LASER

PICOSECOND +LONG PULSE ND YAG LASER+Q SWITCH



**KLINIKK ANGEL**

Aesthetics & Beauty Equipment



HAIR REMOVAL

VASCULAR LESION

SKIN REJUVENATION

TATTOO  
REMOVAL

SKIN  
REJUVENATION

STRONG DUAL COOLING  
SYSTEM

PIGMENT

MELASMA

HOLLYWOOD PEELING

# THERAPY 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, then the capillary vessel become blocked and disappear.





# INDICATIONS

## **Dermis pigmentation:**

Birth mark, such as: Ota nevus, Ito nevus, black nevus

Pigment, such as: sun-burn spots, age spots, speckle, freckle, senior fleck

## **Man made pigment:**

Blue, black, red, brown tattoo, lips line, eyebrow line

## **Epidermis pigmentation, Speckles:**

such as freckle, senior flecks, coffee spot.....

## **Vascular lentigines:**

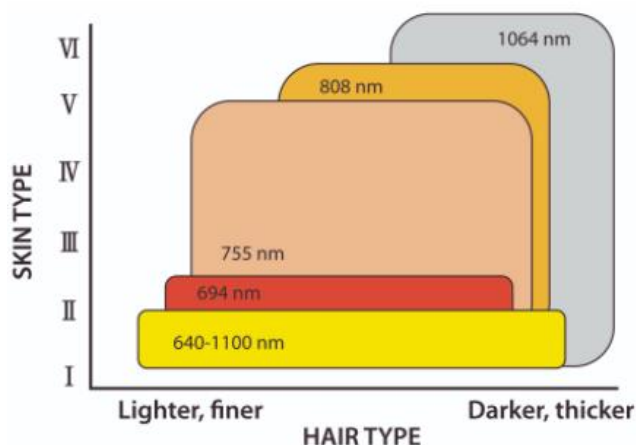
vascular lesion, spider vessel, spider veins

## **Skin rejuvenation with laser peeling**



# PREMIUM LONG PULSED ND

YAG Laser treating multiple indications such as Hair removal, Vascular lesion, Skin rejuvenation and newly added Pico laser function, like Tattoo removal, skin rejuvenation..... Strong dual cooling system.



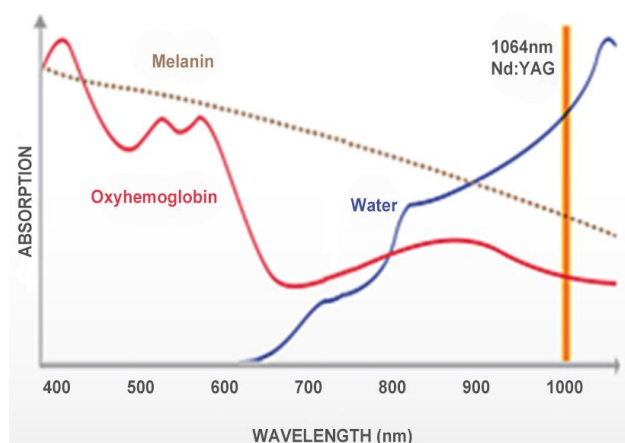
Dual system is the unique device combining picosecond laser and 1064nm Longpulsed Nd:YAG. not only 1064nm long pulsed wavelength due to the high melanin absorption it is effective for hair removal and pigmented lesions treatment. also Nd:YAG 1064nm long pulsed wavelength rejuvenate skin by stimulating the dermis layer, effectively treating vascular lesions.

## Long pulsed Nd:YAG laser (wavelength:1064 nm)

As mentioned above, long pulsed Nd:YAG laser has relatively lower absorption rate for melanin pigments compared to that of laser diode but is most effective for hair removal because of the deep penetration depth. , it is less absorbed by melanin compared to other lasers, making it applicable to people of any skin type.

## Laser diode (wavelength:810 nm)

Laser diode is a semiconductor, continuous laser. Long pulse operation can be obtained by turning on/off the current input into the semiconductor laser. The wavelength of laser diode has relatively better absorption rate for melanin than 1064 nm but does not allow deep penetration into the dermis, precluding complete removal of hair bulbs.



## 1064nm Long Pulsed Nd:YAG Laser

Long pulse Nd:YAG has low absorption in melanin and deeper skin penetration due to its high energy. It stimulates the dermis layer without damage of epidermis, rearranges collagen and thus improves loose skin and fine wrinkles.

# APPLICATION



Melasma & PIH Improvement



Nevus of Ota & ABNOM Removal



Soft Peeling



Tattoos Removal



Skin Rejuvenation



Vascular Vain  
Treatment



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



Depilation

# HANDPIECE

## Zoom Handpiece



Adjustable from 2 to 10mm with 1mm step

Main Usage ;

Mode-picosecond 1064 532, long pulse1064, Genesis 1064 532

## Collimated Handpiece



8mm fixed collimated handpiece for softpeeling

Main Usage ;

Mode: picosecond 1064 532, long pulse1064, Genesis 1064 532

## Celluar Handpiece



Round size,Diameter : 14mm,

Main Usage ;

Mode-picosecond 1064 532, Genesis 1064 532

## Fractional Handpiece



49 fractional dots in 7x7mm

Main Usage ;

Mode-picosecond 1064 532, Genesis 1064 532

## 650 Dye Handpiece



Repetition rate: 1Hz

Spot size: 2mm

Mode - picosecond 532, Genesis 532

## 585 Dye Handpiece



Repetition rate: 1Hz

Spot size: 2mm

Mode - picosecond 532, Genesis 532

# TECHNICAL SPECIFICATION

SYSTEM TYPE	PICOSECOND	LONG PULSE		GENESIS
Wavelength	1064nm ; 532nm	Single 1064nm	Multi 1064nm	1064nm ; 532nm
Pulse Width	2000ps	Single :500-5000us	Multi : 100-300μs	2000ps*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

