



REALIZATION OF IDEAL TECHNOLOGY EVERY DERMATOLOGIST DESIRES

1064nm / 532nm Q-Switched Nd:YAG Laser

PICOPEAK *PTP*™

- PTP mode
- Long-Pulse mode
- Auto-adjustable spot size
- Auto-Calibration System

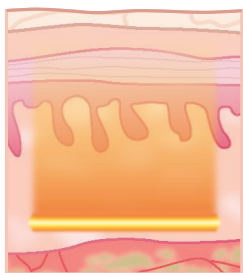
1064nm / 532nm Q-Switched Nd:YAG Laser

PICOPEAK PTP™

PicoPeak PTP utilizes two wavelengths of 1064nm and 532nm and delivers laser power in a very short period of time as 2 pulses. In order to reduce side effects of high energy, it adopts PTP mode which divides the high energy into two pulses with very short duration. PicoPeak PTP effectively reduces pigmented lesions on dermis and epidermis and also minimizes the risk of side effects such as hypopigmentation, pigmentation and recurrence of Melasma, comparing to previous laser toning procedures.

Long-Pluse mode

Long-Pluse Pulse (pulse width 300 μ s @ 1064nm) is a combination of toning and lifting which enables pigmented cells to absorb the laser selectively. It stimulates collagen by the destruction of pigmented cells, and it is useful for general skin for regenerating after peeling, improving loose skin, and minimizing large pores.



Normal Q-Switched Nd:YAG

More chances of side effects, induced by high energy in 1 pulse.

PTP mode

PTP mode delivers 2 pulses of constant energy of laser power in a very short period of time. Compared to previous laser toning procedures, its energy is much higher. In order to reduce side effects of high energy laser such as hypopigmentation, pigmentation or Melasma recurrence, the high energy is divided into two to increase the effect while reducing side effects. PTP mode can be done at both 1064nm and 532nm wavelengths.



PTP mode
(Dual Pulse)

Safe energy delivering in 2 pulses.
Less side effects.
More effective treatment.



10.4 inch Touch Display

System can be controlled using 10.4 inch touch display with excellent visibility and operability.



Auto-Calibration System

Cost-effective and reliable treatment can be done in spite of long hours of use since its auto-calibration system provides consistent and stable energy output.

Handpiece

For user convenience, the system recognizes Hand piece among three different types, one zoom Hand piece and two optional Fractional Hand pieces, and its spot size automatically. Two different types of hand piece tips are also provided for more comfortable operation,

Stable power supply system

You can use it stably without change of energy even at longtime treatment since stable large output of power is used.

Mass storage space

Fast and accurate treatments tailored for each patient are applicable by saving the diverse lesions of patients at total 480 secured slots with 30 storage slots respectively for each of 15 built-in lesions and 1 user custom slot.



ZOOM HANDPIECE

Adjustable from 2 to 10mm with 1mm step
Indications - Epidermal & dermal pigmentation

Zoom HP

1064nm and 532nm (2, 3, 4, 5, 6, 7, 8, 9, 10)mm



DOE HANDPIECE

49 fractional dots in 10x10mm
Indications - Thermal effect treatment



1064nm Fractional HP

7 x 7 mm² / 7 x 7 dots

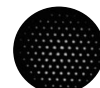
532nm Fractional HP

7 x 7 mm² / 7 x 7 dots



MLA HANDPIECE

Up to 74 fractional dots 532+1064nm
15 x more energy in each dot
35mm, 25mm, 15mm
Indications - Scars, Skin Rejuvenation, Melasma, Laser toning



Dye handpiece (Optional)

585 & 650nm dye handpieces were newly developed for PicoPeak PTP Q-Switched Nd:YAG Laser. (option)



OPTION
585 DYE HANDPIECE

Spot size: 2mm
Pulse Energy: Max. 200mJ
Repetition rate: 1-2Hz
Indications - Tattoo removal

OPTION
650 DYE HANDPIECE

Spot size: 2mm
Pulse Energy: Max. 160mJ
Repetition rate: 1-2Hz
Indications - Tattoo removal

585nm Dye handpiece indication

Post-acne erythema / Inflammatory acne / Facial flushing / Melasma concomitant with abnormal dermal vascular activity / Erythema post-treatment with laser / etc.

650nm Dye handpiece indication

Freckles / Lentigo / Cafe au lait spot / ABNOM / Nevus / Tattoo / etc.

High pulse frequency

With fast irradiation speed of 15Hz, it minimizes skin exposure to the laser for less damage of normal tissues with shortened time of treatment.

Advanced arm

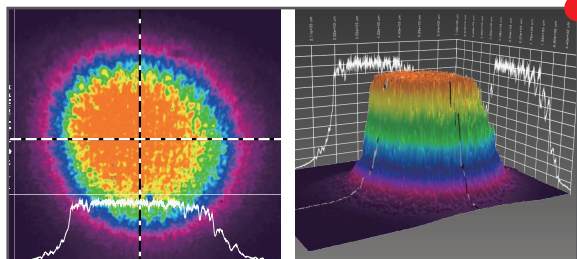
Arm adjustment by user's characteristic is available due to the use of robust high-class components, and it is more shock-resistant than existing products with advanced design.

Top-Hat mode

Top-Hat mode is a unique high-technology which makes the laser not only irradiates energy equally but also reduces side effects such as PIH.

Unique jog & Shuttle controller

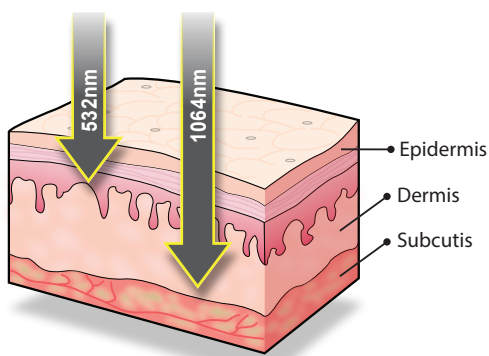
Easy and fast system control is available with the adoption of unique jog & shuttle controller design.



Top-Hat mode



Unique jog & Shuttle controller



532nm wavelength removes the pigmentation on epidermis, such as freckles, lentigos and age spots mostly, while 1064nm wavelength cures lesions responding to the pigmentation located deep inside of dermis, such as the tattoo, nevus of ota.

Pigmented lesion

Freckle / Speckle / Blemish / Cafe au lait spot / Becker's nevus / Nevus of ota / Abnom / Tattoo removal / Melasma / Hyperpigmentation

Etc. Skin rejuvenation / Shrink pores

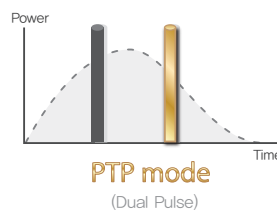
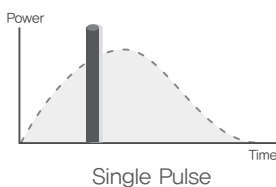
System Specifications

General

Dimension (W x D x H)	441(W) x 1012(D) x 834(H) (mm) (Include Arm H : 1678 mm)
Weight	87.5 Kg
Weight including accessories	96 Kg
Main voltage	220/230V, 50/60Hz
Maximum power consumption	3000 VA
Main current	12 A
Safety class	Class IV laser

Laser system

Laser type	Q-Switched Nd:YAG
Wavelength	1064nm / 532nm
Beam delivery system	Via 7-articulated arm
Aiming beam	635nm, 5mW
Beam mode quality	Top Hat Mode
Energy	Up to 1400mJ @ 1064nm PTP Q-Switched Up to 600mJ @ 532nm PTP Q-Switched Up to 800mJ @ 1064nm Q-Switched Up to 400mJ @ 532nm Q-Switched Up to 1800mJ @ 1064nm Quasi-Long
Pulse width	6ns @ 1064nm Q-Switched 6ns @ 532nm Q-Switched ~20ns @ 1064nm PTP Q-Switched ~20ns @ 532nm PTP Q-Switched 300μs @ 1064nm Quasi-Long
Repetition Rate	up to 10Hz
Laser cooling	Water-to-air heat exchanger



Spot size (* Optional)

Zoom Handpiece	1064nm and 532nm (2, 3, 4, 5, 6, 7, 8, 9, 10)mm
*1064nm DOE Handpiece	7 x 7 mm ² , 7 x 7 dots
*532nm DOE Handpiece	7 x 7 mm ² , 7 x 7 dots
*MLA Handpiece	1064nm and 532nm
*585nm Dye Handpiece	Ø 2 (mm)
*650nm Dye Handpiece	Ø 2 (mm)

Environmental Condition

Temperature	+10 ~ +40°C
Relative humidity	30 ~ 75 %
Atmospheric pressure	700 ~1060 hPa



PICOPEAK *PTP*TM



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