

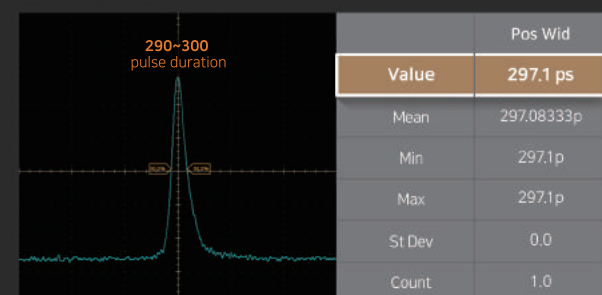
## Why 300ps?

- Stress Relaxation Time (SRT) for 1 $\mu$ m melanosome is 300ps. The shock wave, generated by the picosecond pulse, acts only on the melanosome without being transmitted to the surrounding tissues.
- The Thermal Relaxation Time (TRT) for a 10-100 nm tattoo ink particle ranges from 100ps to 10 ns. Compared to other picosecond lasers, a 300ps laser is equipped with an appropriate pulse duration for destroying smaller particles.
- The occurrence of microbubbles in the skin is more pronounced with higher peak power associated with a shorter pulse duration. A 300ps pulse duration, coupled with high peak power, enhances LIOB formation, thereby increasing the skin rejuvenation effect.

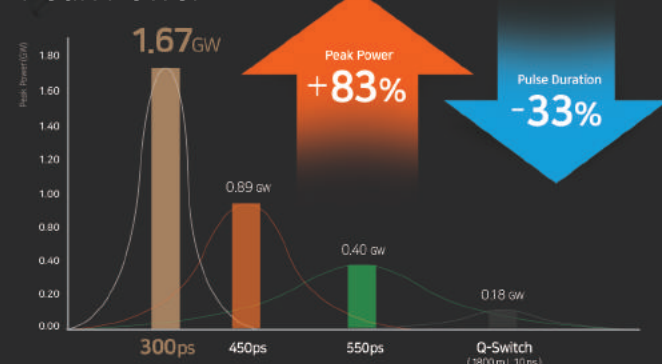


## High Power

300 picosecond pulse duration



Peak Power



Peak power higher than that in Q-switched or other picosecond lasers provides maximum effect on tattoo removal, pigment treatment, and skin rejuvenation.

## Specification

Wavelengths		Nd:YAG 1064 nm, 532 nm
Pulse Duration		300ps, 275ps
Peak Power		1.67 GW, 0.91 GW
Pulse Energy[mJ] Max		500 mJ, 250 mJ
Repetition		1, 2, 5, 10 Hz
Handpiece	ZOOM H/P	1064 nm (Spot size : 2 to 10 mm)
	Collimated H/P	532 nm (Spot size : 1.5 to 7.5 mm)
	VMLA H/P	1064 nm (Spot size : 10 mm)
	ZMLA H/P	1064 nm (Beam size: 4 to 12 mm)
	DOE H/P	1064 nm (Beam size: 10 x 10 mm)
Convenience system		532 nm (Beam size: 10 x 10 mm)
		RMS System (WIFI)
		Wide LCD 12.1"
		Upper shelf display zone
		Handpiece storage
General	Electrical Power	Hidden front handle & Back handle
	Dimensions	200~240 VAC, 4.4 KVA, 50/60Hz
	Weight	455(W) x 1040(L) x 975(H) mm
		150 kg

Upper Shelf Display Zone  
Convenient treatment preparation

Shark Fin Vent  
Fast and powerful air circulation

Handpiece Storage  
Built-in compartment for secure and easy storage

Wide LCD 12.1"

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Picosecond Pulse  
1.67 GW peak power

Innovative  
4-step VMLA  
DOE synergy

LIOB  
Rejuvenation  
Deep skin renewal

**PICOHI™ 300**



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PICOHI™ 300

# 300ps

## Experience the New Photoacoustic Effect

### 1 Next Generation Picolaser Real 300ps Pulse Duration

New technology provides 300ps pulse duration with excellent stability.

### 2 Photomechanical Treatment: No Photothermal Damage

Overcoming the limitations of procedures based on the photothermal effect, photomechanical treatment enables highly precise targeting of specific areas.

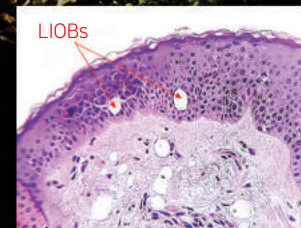
### 3 Various Handpieces for Enhancing Skin Rejuvenation

DOE (Diffractive Optical Element) and MLA (Micro Lens Array) handpieces can be used to provide various types of treatments. They come in different sizes and allow for modification of the treatment depth depending on the treatment area.

## High Effect

### LIOB Effect with PICOHI VMLA Handpiece

LIOB (Laser-Induced Optical Breakdown) creates bubbles in the skin, stimulating tissue regeneration and collagen production for rejuvenation. PICOHI's MLA and DOE handpieces are effective tools for these treatments.



Biopsy result

### Rejuvenation



#### VMLA H/P

Precise treatment is delivered at different skin layers, ranging from the deep dermis to the epidermis, using a 13 mm beam size.

Depth can be adjusted based on the target area (0.5 mm).



#### ZMLA H/P

Effective treatment for lesions of various sizes.

The beam size can be adjusted depending on the lesion size (4~12 mm).



#### DOE H/P

Rejuvenation synergy effect when combined with MLA handpieces.

The energy uniformity is very even with a 10 mm spot size (7x7 dots).

### Pigmentation



#### Collimated H/P

Consistent spot size ensures stable and effective toning treatment, regardless of laser separation distance.

Collimated 1064 nm / Spot size 10 mm



#### Zoom H/P

Various pigmentation treatment possible.

Zoom 532 nm \* 1064 nm / Spot size 2~10 mm

### Tattoo Removal

#### Red and Yellow Color treatment

Zoom H/P  
532 nm \* 1.5~7.5 mm spot size

#### Black Color treatment

Zoom H/P  
1064 nm \* 2~10 mm spot size

## Clinical Data

Lentigo Treatment | After 1 procedure



Tattoo Removal Treatment | After 1 procedure



Scratched Scar Treatment | After 1 procedure

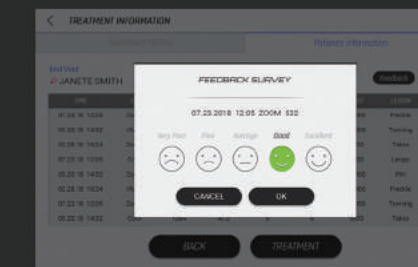


## High Convenience

### RMS System (Remote Maintenance System)

### Treatment History Record

Treatment becomes smarter and faster by recording and storing parameters from past sessions. The saved parameters can be managed through the history section for future treatments that may be similar.



| Real Time Device Record Check |

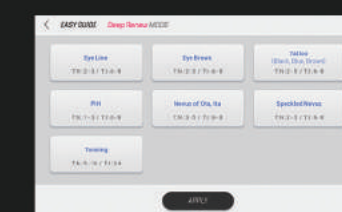
### Remote Management through Cloud System

- Reminder to replace lamps and consumable parts
- Storage of protocols
- Device self-diagnosis and inspection
- Malfunction prevention and assistance functions



## Easy & Intuitive GUI

### Easy Guide



Automatic protocol settings enable easy and accurate treatment, even for beginners.

### Treatment Malfunction Prevention (Color indication system)



The GUI features different colors (Blue for 1064 nm, Green for 532 nm), enabling precise and safe treatment.