

# V-LASER

## What is V-Laser?

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### Various Applications and Outstanding Efficacy

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- V-laser is the long-pulsed 532nm KTP & 1064nm Nd:YAG laser system intended to use for a broad range of vascular and benign pigmented lesions in epidermis and dermis. The laser uses higher power and stable energy for effective and safe treatments.
- Long-pulsed 532nm KTP delivers the photothermal effect on the vascular lesions with clinical efficacy and lower incidence rate of purpura causing by the photoacoustic effect.
- Bulk heating using a 300microsecond 1064nm stimulates neocollagenesis for skin revitalization and skin rejuvenation.
- V-laser can treat a variety of skin lesions at a single session so both patient and user are satisfied with the optimal treatments and clinical results.

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### Acne Redness & Diffuse Redness by 532nm KTP

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| Before |



| After |



# Long-Pulsed 532nm KTP & 1064nm Nd:YAG



## Main Features

### Dual wavelength

- Long-Pulsed 532nm KTP

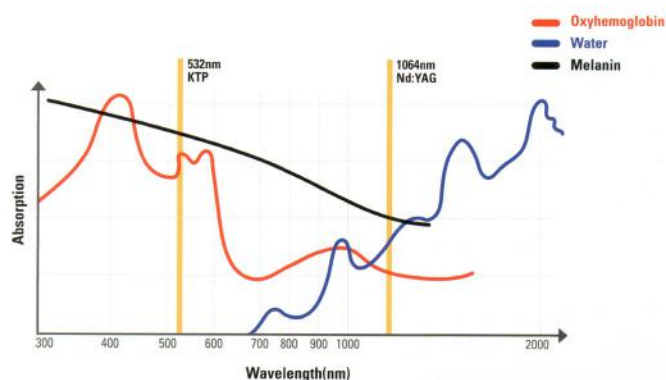
With higher absorption coefficient and lower penetration depth (epidermis) in both oxy-hemoglobin and melanin, it is intended use for epidermal vascular or pigmented lesions such as rosacea, port wine stains, or lentigines.

- Long-Pulsed 1064nm Nd:YAG

With relatively lower absorption coefficient and deeper penetration depth (dermis) in both hemoglobin and melanin, it is intended use for leg veins, or pigmented lesions.

- Genesis

Using 300 microseconds of 1064nm, Bulk heating delivers to the dermis to stimulate fibroblasts and neocollagenesis, resulting in skin rejuvenation and skin revitalization. It is indicated for improvements in uneven skin tone, dull skin texture, large pores, and fine wrinkles, diffuse redness and scars.



### Flexibility

- Pulse Duration

Up to 40ms @ 532nm  
Up to 60ms @ 1064nm

- Spot Sizes

Smaller Lesions : 2, 3, 4, 5mm  
Larger Lesions or Bulk Heating : 6, 8, 10, 12mm

- Contact Cooling Temperature

4 steps : 5, 10, 15, 20°C

### Safe and Effective Treatment

- High Power & Stable Energy

- Excellent Visibility through A Wider Size of Sapphire Window

- Variable Adjustment of Fluence, Pulse Duration, Spot Size and Cooling Temperature



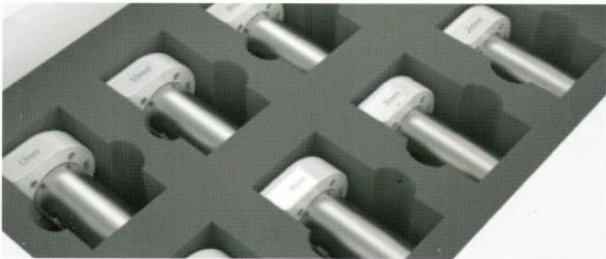
A single session of V-laser  
effectively treats  
3 different skin lesions



## Flexible and Optimal Treatments for Vascular & Benign Pigmented Lesions

### Convenient Handpiece

- No consumables for the contact cooling system
- 4-step adjustable contact cooling temperature
- Light and convenient handling
- No need to change the handpiece to use three different modes (532m, 1064nm & Genesis)
- Excellent visibility through a sapphire window
- Various spot sizes up to 12mm



## Indications

### Vascular Lesions

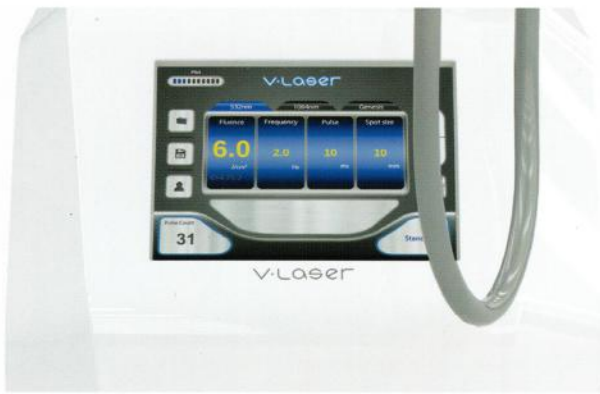
- Telangiectasia, Port Wine Stain,  
Rosacea, Spider Vein,  
Dark Circle, Diffuse Redness,  
Cherry Angioma and Warts

### Benign Pigmented Lesions

- Lentigines, Dyschormia,  
Freckles, Melasma, PIH,  
Poikoloderma

### Skin Rejuvenation

- Collagen Remodeling,  
Uneven Skin Tone,  
Dull Skin Texture, Large Pores



V·Laser

For Vascular Lesions, Benign Pigmentations, Skin Rejuvenation

	532nm	1064nm	Genesis
<b>Max. Energy</b>	10J	50J	4J
<b>Pulse Duration</b>	1-40ms	5-60ms	0.3ms
<b>Repetition</b>	Up to 3Hz	Up to 5Hz	Up to 10HZ
<b>Spot Size</b>	2,3,4,5,6,8,10,12mm		
<b>Cooling System</b>	Sapphire Window Contact		None

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