



For Export Only

# Lavieen

1,927nm Thulium Laser



Irradiation Type	Thulium
Wavelength	1,927nm
Diameter	200 $\mu$ m ( 10, 20, 30mm tips)
Output	Max. 10mJ(Adjusting by Watt & Pulse duration)
Scan Size	1 x 1mm ~ 30 x 30mm (1 x 1mm step)
Scan Distance	0.2~2.0mm (0.1mm step)
Dimension	279 x 686 x 849 (W x D x H)mm
Weight	30kg
Cooling System	Air cooling
Electrical	220VAC, 50/60Hz, 800VA

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1,927nm Thulium Laser

**Get brightened  
without B.B cream**

1,927nm Thulium laser is a new wavelength more effectively targeting the superficial skin layers for faster clearance of pigment lesions.



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# Lavieen

## 1,927nm Thulium Laser

### What is Lavieen?



Lavieen (1927nm), well known as BB Laser, shows significant brightening outcome.

It is a non-ablative skin resurfacing and rejuvenation laser delivering remarkable results with minimal downtime. Moreover, Lavieen is excellent way to treat melasma, pigment lesions, wrinkles, large pore and more by adjustable energy intensity and pulse duration simultaneously during procedure.

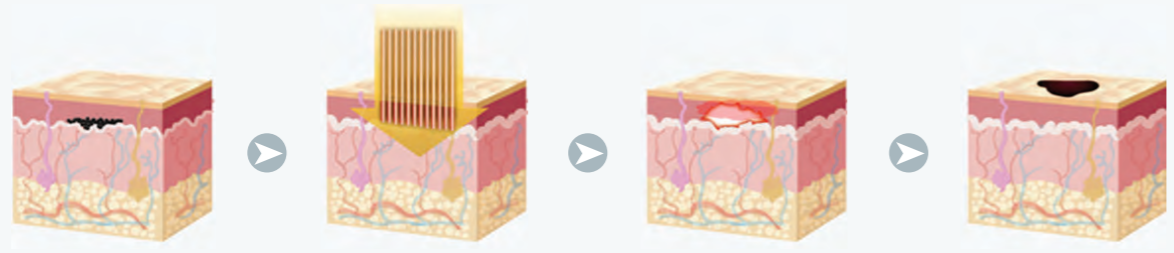
In order to treat pigmentation on epidermal basal layer, this sub-ablative from Lavieen system(Thulium laser ,1927nm) would be the best indication because there are lots of melanocyte & melanin on epidermal basal layer.

### Principle of Lavieen Treatment

#### \* Er:Glass VS Thulium VS CO2

non-ablative Er:Glass 1,550nm	sub-ablative Thulium 1,927nm	ablative CO <sub>2</sub> 10600nm
		
<ul style="list-style-type: none"> <li>- Thermal effect to dermis</li> <li>- Inducing protein denaturalization</li> <li>- Mainly for skin rejuvenation</li> <li>- Less downtime</li> </ul>	<ul style="list-style-type: none"> <li>- Target to the junction between epidermis and dermis</li> <li>- Coagulation and denaturalization</li> <li>- Mainly for whitening skin</li> <li>- Less downtime</li> </ul>	<ul style="list-style-type: none"> <li>- Skin resurfacing and rejuvenation</li> <li>- High risk, high return</li> <li>- Prone to PIH</li> <li>- Longer downtime than non-ablative</li> </ul>

#### \* Therapeutic mechanism



Target to the junction between basal layer and upper dermis

Fractional laser irradiation

Preserve the stratum corneum and ablating lower part of epidermis. coagulation effect on the upper part of dermis

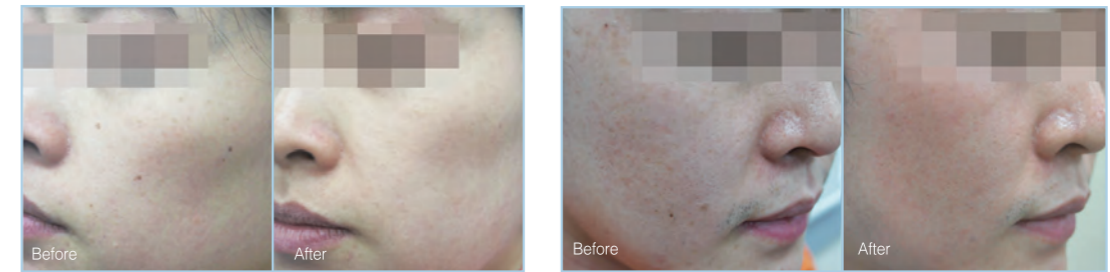
Occuring micro crusts at the surface of skin. crusts will preserve any infection and PIH.

### Non-consumable : low maintenance cost



### Clinical Image

#### · Epidermal melasma



#### · Pores & acne scar



#### · Skin texture



#### · fine wrinkles



### Indications

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>· Pigmentary treatment</li> <li>- Skin tone (whitening)</li> <li>- Epidermal melasma</li> <li>- Freckles</li> <li>- Aged spots</li> </ul> | <ul style="list-style-type: none"> <li>· Dermal remodeling</li> <li>- Skin texture</li> <li>- Wrinkles</li> <li>- Lifting &amp; tightening</li> <li>- Large pores</li> </ul> |
|--|--|

### Features

- **BB Laser – Fast and Excellent skin whitening effect**
  - Highly effective to Epidermal Melasma and DE junctions pigmentation
  - Smaller spot size provides shorter downtime than others in its category
- **Treat diverse indications by separate setting of "Pulse duration" and "Fluence"**
  - Facilitate both characteristics between ablative and non-ablative
- **Improve Skin Texture**
- **Low maintenance cost owing to Non-consumable and long life time of Thulium fiber**
- **Easy and Safe operation by User Friendly Interface**

