

# Plapen<sup>dual</sup>

Plasma treatment device

# Plapen<sup>dual</sup>

## SPECIFICATIONS

Energy type	Plasma	
Hand-piece	Multi hand-piece	Pen hand-piece
Mode	Pulse or Continue	
Tip	High frequency Tip, Jet Tip, Fractional Tip	Needle ( 0.50, 30mm)
Display	10.2 inch TFT Touch LCD	
Electrical requirement	100-240V / 0.5A	
Weight (kg)	3.55kg	
Demension (W x D x H)	442.3 x 220.5 x 357.4 (mm)	



Head office : 120, Gieopdosi-ro, Jijeong-myeon, Wonju-si, Gangwon-do, Korea.  
Tel : +82-33-760-1700(Rep.) Fax : +82-33-746-9716  
Seoul office : #1701-1702, 145, Gasan digital 1-ro, Geumcheon-gu, Seoul, Korea.  
Tel : +82-2-514-9713(Rep.) Fax : +82-2-514-9716  
E-mail : es@esglobal.co.kr / www.esglobal.co.kr



# Plapen<sup>dual</sup>?



Plapen dual uses molecules in the air as a medium and instantaneously concentrates strong energy to influence the ionic bonding of molecules and atoms in order to produce a concentrated form of plasma. Using plasma developed in this way, this medical device is used to improve skin and diseases with 2 type of handpiece and 4 kinds of tip. Its major indications include skin sterilization, improvement of skin rhytids, improvement of drooped eyelid, removal of blemishes and spot and removal of milium...etc.

## Plasma treatment device

### Plasma effect

<p><b>Sublimation(Ablation)</b> Effective on acne, scar treatment by causing sublimation on the skin surface while not affecting the cells</p>	<p><b>Wrinkle Treatment</b> Non-ablative, lifting, regeneration, scar treatment, inflammation treatment</p>	<p><b>Toning Effect</b> Anti-pigmentation effect through suppressing melanin pigment and strengthening the absorption of anti-pigmentation cosmetics</p>
<p><b>Sterilization</b> Sterilize bacteria which cause various skin problems with powerful sterilization power</p>	<p><b>Transdermal drug delivery</b> Inducing amazing absorption by breaking the Cell Adhesion Molecules (CAMs) that connect the skin cell</p>	<p><b>Skin Regeneration</b> Preventing skin aging by stimulating generation of collagen and fibroblasts</p>

### Anti-bacterial effect

High frequency tip		Jet tip	
Pseudomonas aeruginosa	Propionibacterium acnes	Pseudomonas aeruginosa	Propionibacterium acnes

### Clinical Data

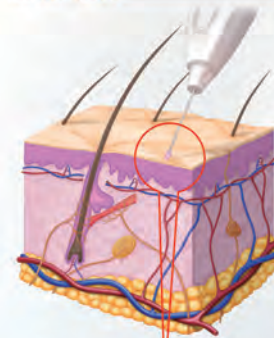
Needle	Jet tip	Seborrheic dermatitis
<p>Drooped eyelid lifting</p> <p>• 1 Session • Skin • F / The later of 50's</p>	<p>Sterilization sedation</p> <p>• 5 Session • Skin • F / The Mid of 30's</p>	<p>• 7 Session • Scalp • M / The later of 30's</p>

### Technology

#### Pen Handpiece

Strong ablation is applied to the local site of skin surface to treat skin lesions, as high voltage plasma is generated via needle. Wide use in removal of small wart, milium, acne miliaris, spot and freckle, wrinkle removal and lifting on sensitive sites around eyelids, eye rims and eyeballs.

#### Two way Needle



- |                    |   |
|--------------------|---|
| <b>Needle type</b> | <ul style="list-style-type: none"> <li>• Dot removal</li> <li>• Removal of Wrinkles</li> <li>• Removal of milia &amp; cutaneous tags</li> <li>• Needle in 00.5 of thickness is selected for local incision and ablation.</li> </ul> |
| <b>Round type</b>  | <ul style="list-style-type: none"> <li>• Spray procedure performed in a wide area</li> <li>• Removal of age spots</li> <li>• Removal of acne scars</li> </ul>   |

Providing the convenience of procedure by designing the tips at the both ends of a needle in different forms

#### Indication

- Fine Line Improvement
- Drooped Eyelid Improvement
- Blemish and Spot Removal
- Scar Improvement

#### Multi Handpiece

It is used in skin care as effective in bactericidal action and solution-osmotic action against Staphylococcus aureus, acne germ, upon generation of plasma ions.

**High Frequency Tip**  
Plasma Ion Release

**Jet Tip**  
Applicable for divergent skin types, as micro-solidifying point is created as soon as plasma ions are released.

**Fractional Tip**  
Simple plasma treatment by easy rubbing, as thermal plasma is developed.

#### Indication

- Acne Improvement
- Skin Rhytids Improvement
- Skin disinfection
- Skin regeneration
- Drug delivery
- Skin Tone Improvement