

# HOLLYWOOD SPECTRA

\* The laser operator and all staff in the laser treatment room should wear protective eyewear.

## Laser Peel

3-8 mm  
Zoom-Collimated



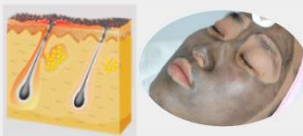
### Hollywood Peel

Indication	Wavelength (nm)	Tx. Step	Carbon Lotion	Mode	Spot Size (mm)	Fluence (J/cm²)	Pulse Rate (Hz)	Pass	Session	Interval (week)
<ul style="list-style-type: none"><li>• Skin Rejuvenation</li><li>• Enlarged Pores</li><li>• Inflammatory Acne &amp; Redness</li></ul>	1064	1	○	Spectra	8	0.9~	5-10	1	3~	2-3
		2	○	QS	8	0.9~	5-10	2-4		
		3	X	Spectra	8	2.4~	5-10	Partial multi-pass		
	❖ <b>Endpoint:</b> Mild erythema, slight heat sensation									
- <b>Note:</b> Avoid treating melasma patients or skip the melasma area as the thermal effect could aggravate the condition.										

**Hollywood Laser Peel®** is a 3-step laser peel that uses our carbon-based Spectra Lotion™ with two different operation modes in 1064 nm: Spectra Mode (300 μs) and the Q-switched Mode (5 ns). The Spectra Mode stimulates the skin through gentle heating, and the Q-switched mode delivers mild epidermal exfoliation and resurfacing.

#### PREPARATION: Spectra Lotion

Lightly apply carbon-based Spectra lotion and leave for 15-20 minutes to allow seeping well into the pores.



#### ① Spectra Mode (300 μs)

Gently heat up the carbon applied skin and induce mild epidermal turnover.



#### ② QS Mode (5 ns)

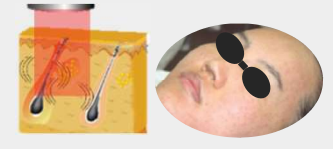
Explode carbon particles to exfoliate stratum corneum and induce pore contraction.



HyperSurge beam speeds wound healing!

#### ③ Spectra Mode (300 μs)

Repeatedly irradiate the target lesions to induce sebaceous gland contraction and increase skin elasticity.



### Soft Peel

Indication	Wavelength (nm)	Carbon Lotion	Mode	Spot Size (mm)	Fluence (J/cm <sup>2</sup> )	Pulse Rate (Hz)	Pass	Session	Interval (week)
<ul style="list-style-type: none"> <li>• Epidermal Melasma</li> <li>• Uneven Skin Tone &amp; Texture</li> </ul>	1064	○	QS	8	0.9~	5-10	1	3~	2-3
❖ <b>Endpoint:</b> Mild erythema									

**Soft Peel™** is a 1-step laser peel that uses our carbon-based Spectra Lotion™ and Q-switched mode (5 ns) in 1064 nm. It effectively targets epidermal melanin that is abnormally dispersed, such as in epidermal melasma. This treatment may be combined with laser toning to treat dermal melasma condition.

#### PREPARATION: Spectra Lotion



Lightly apply carbon-based Spectra lotion and leave for 15-20 minutes to allow seeping well into the pores.

#### ① QS Mode (5 ns)



HyperSurge beam speeds wound healing!

Explode carbon particles to target excess pigment without damaging the skin cell.









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## Laser Toning

3-8 mm  
Zoom-Collimated



### Hollywood Toning

Target	Indication	Skin Condition	Wavelength (nm)	Mode & Effect	Spot Size (mm)	Fluence (J/cm <sup>2</sup> )	Pulse Rate (Hz)	Pass	Session	Interval (weeks)
<div>Melasma Treatment</div> <div>Vascular Type of Melasma</div> <div>Prevention of Recurrence</div> <div>Dermal Remodeling</div>	<ul style="list-style-type: none"> <li>Melasma</li> <li>PIH</li> </ul>	Normal	1064	<b>QS</b> 	8	0.9~	5-10	3-5	10~	1-2
		Sensitive	1064	<b>Q-PTP</b> 	8	1.4~	5-10	3-5	10~	1-2
	<ul style="list-style-type: none"> <li>Melasma (Vascular)</li> <li>Melasma Recurrence Prevention</li> </ul>	Normal	1064	<b>Q3</b> 	6	2.6~	5-10	3-5	10~	1-2
		Sensitive	1064	<b>Q4</b> 	6	3.2~	5-10	3-5	10~	1-2
	<ul style="list-style-type: none"> <li>Dermal Remodeling</li> </ul>	All (Option)	1064	<b>Spectra</b> 	6	4.0~	5-10	3-5	3~	1-2
<p>❖ <b>Endpoint:</b> Mild erythema</p> <p>- <b>Note:</b> Observe the skin reaction to avoid an aggressive response especially over the cheek bone and the eyes.</p> <p>- <b>Post care:</b> Soothe and moisturize the skin.</p>									 <p>Immediately after</p>	


**Hollywood Toning** is an advanced laser toning with the 1064 nm wavelength to allow more granulated pigment treatment through the newly added PTP+ Mode.

#### 5 Operation Modes in 1064 nm: QS, PTP+ (Q-PTP, Q3 and Q4) and Spectra Mode

- 1. QS** Single-pulse: High peak power selectively destroys pigment with minimum stimulation on surrounding tissues.
- 2. Q-PTP** Dual pulse: Lower peak power for milder pigment treatment or to deliver higher energy with more comfort.
- 3. Q3** Three pulses in 150 us: Mild pigment removal that remodels collagen in the upper dermis from the gentle heat.
- 4. Q4** Four pulses in 150 us: Effectively prevents melasma recurrence by maintaining a healthy dermal condition.
- 5. SPECTRA** 300 us: Delivers sufficient thermal energy in the dermis to remodel collagen for long-term skin maintenance.

\* PTP+ Mode – Multi pulse mode that includes Q-PTP, Q3, and Q4 mode.

### Hair Bleaching

Indication	Wavelength (nm)	Mode	Spot Size (mm)	Fluence (J/cm <sup>2</sup> )	Pulse Rate (Hz)	Pass	Interval (weeks)
<ul style="list-style-type: none"> <li>Hair Bleaching</li> </ul>	1064	QS	8	1.0-1.5	5-10	1-2	2
	<p>❖ <b>Endpoint:</b> Immediate bleaching</p> <p>- <b>Note:</b> Depending on its hair color, adjust the fluence and observe immediate hair bleaching.</p>						 <p>Immediately after</p>



\* The laser operator and all staff in the laser treatment room should wear protective eyewear.

## Pigment Removal

3-8 mm  
Zoom-Collimated



### Epidermal Pigments



Indication	Wavelength (nm)	Mode	Spot Size (mm)	Fluence (J/cm <sup>2</sup> )	Pulse Rate (Hz)	Pass	Session	Interval (weeks)
• Ephelides • Freckles • Seborrheic Keratosis	532	QS	2.6	0.7~	1	1	2-3	4-6
• Café-Au-Lait Macules	532	QS	2.6	0.8~	1	1-2	3~	4-6
• Nevus Spilus	532	QS	2.6	1.0~	1	1	6~	4-6

❖ **Endpoint:** Mild frosting (Too white; overtreated. Erythema only; undertreated.)

- **Procedure:** Carefully target the entire lesion without overlapping.

- **Note:** Adjust fluence depending on the type of lesion. Do not retreat the undertreated lesion and leave it for next session.

- **Post care:** Apply antibiotic ointment or hydrocortisone (~1%).

Immediately after      Overtreatment

### Dermal Pigments


Indication	Wavelength (nm)	Mode	Spot Size (mm)	Fluence (J/cm <sup>2</sup> )	Pulse Rate (Hz)	Pass	Session	Interval (weeks)
• Becker's Nevus	1064	QS	3	4.5~	1-2	1-2	6~	6-8
• Ota's Nevus • ABNOM (Hori's Nevus)	1064	QS	4	4.5~	1	1-2	3~	6-8
			3	7.0~	1	1-2	3~	
	1064	QS	7-8	2.0~	5-10	2-3	10~	2~

❖ **Endpoint:** Color change. Mild pinpoint bleeding is acceptable except for 'Ota Toning'.

- **Procedure:** Perform a test spot and carefully target the entire lesion.

- **Note:** When treat the Nevus of Ota/ABNOM (Hori's Nevus) to patients before puberty, lower fluence by 10-20% for safer treatment.

- **Post care:** Apply antibiotic ointment or hydrocortisone (~1%), hydrocolloid dressing if needed.



Immediately after 'Conventional method'

❖ Ota's Nevus Tx. Example

Conventional

Conventional

Ota Toning

Ota Toning

Ota Toning

...

### Tattoo Removal


Indication	Wavelength (nm)	Mode	Spot Size (mm)	Fluence (J/cm <sup>2</sup> )	Pulse Rate (Hz)	Pass	Session	Interval (weeks)
• Black/ Blue/ Brown Tattoo	1064	QS	3-4	2.4~	1-2	1	3~	6-8
• Eyebrow/ Eyeline/ Lip Line Tattoo	1064	QS	3-4	2.2~	1-2	1	3~	6-8
• Red Tattoo	532	QS	2.6	1.6~	1-2	1	3~	6-8

❖ **Endpoint:** Frosting. Pinpoint bleeding is acceptable.

- **Procedure:** Perform a test spot for an appropriate skin response. Never treat same area again.

- **Note:** In rare cases, red-colored tattoo may darken after the treatment as it sometimes contains iron oxide. To avoid, always perform a test spot prior to the treatment.

- **Post care:** Apply a cold compress and antibiotic ointment then, cover the treated area.



Immediately after

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## MDF Treatments

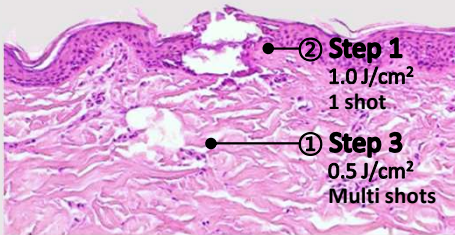
4-8 mm MDF  
(Multi-Depth Focus)



### TI-LIOB Effect in MDF Treatment

Thermally-Initiated Laser-Induced Optical Breakdown

When the tissue is irradiated by a high peak power fractionated laser beam, seed electrons are generated from absorbing chromophores in the skin and forms TI-LIOB. TI-LIOB induces chemokines, cytokines, and other factors to speed up wound healing and improve pigments, wrinkles, enlarged pores, and scars.



\* Clean the MDF handpiece's tip and window before & after treatment.

### 1064 MDF – Rejuvenation & Scar

Indication	Wavelength (nm)	Mode	Depth Setting	Spot Size (mm)	Fluence (J/cm <sup>2</sup> )	Pulse Rate (Hz)	Pass	Session	Interval (weeks)
• Base Rejuvenation [Required Procedure]	1064	Q4	Step 3	8	2.0~	5-10	2-3	10~	1
	<b>❖ Endpoint: Mild erythema</b> Base Rejuvenation induces collagen remodeling and improves the dermal condition. Multi-pass with step 3 create large-sized cavitation and the use of Q4 diffuse thermal to the surrounding tissue.								
• Skin Rejuvenation	1064	QS	Step 1	8	0.45~	5-10	2-3	10~	2
	<b>❖ Endpoint: Erythema, edema [Apply hydrocortisone (~1%)]</b> Perform multi-pass with step 1 creates cavitation in the epidermis-dermis and improves skin tone, texture, and fine wrinkles. The treatment does not require anesthesia.								
• Enlarged Pores	1064	QS	Step 1	6	0.9~	5-10	2-3	5~	2-3
	<b>❖ Endpoint: Erythema, edema and partial petechiae [Apply hydrocortisone (~1%)]</b> Perform multi-pass with a high fluence at a depth of step 1 to a perinasal area effectively improves enlarged pores, skin texture and pitted scar. The treatment may require anesthesia.								
• Acne Scar	1064	QS	Step 1	4	2.0~	2-5	3~	3~	4-6
	<b>❖ Endpoint: Petechiae to pinpoint bleeding [Apply hydrocortisone (~1%) or hydrocolloid dressing]</b> Perform multi-stack to acne scar using a high fluence at a depth of step 1 to induce scars to fill up. The treatment requires anesthesia.								

+

#### Skin Rejuvenation



#### Enlarged Pores



#### Acne Scar



### 532 MDF – Pigment Removal

Indication	Wavelength (nm)	Mode	Depth Setting	Spot Size (mm)	Fluence (J/cm <sup>2</sup> )	Pulse Rate (Hz)	Pass	Session	Interval (weeks)
• Epidermal Pigmentation	532	QS	Step 3	3.4	0.6	1	1	3~	4-6
	<b>❖ Endpoint: Grayish color change to mild frosting</b> - Post care: Apply antibiotic ointment or hydrocortisone (~1%). If the use of a QS 532 nm with zoom handpiece to epidermal pigment is burdensome, this treatment could be an alternative. The fractionated beam could safely target the pigment than a single bulk beam.								 Immediately after



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## Optional Handpieces

6 x 6 mm DOE  
(Diffractive Optical Element)



### 1064 DOE – Rejuvenation


\* Connect DOE then, manually select wavelength (1064nm) and spot size (FRX) from GUI.

Indication	Wavelength (nm)	Mode	Spot Size (mm)	Fluence (J/cm <sup>2</sup> )	Pulse Rate (Hz)	Pass	Session	Interval (weeks)
<ul style="list-style-type: none"> <li>Mild Rejuvenation</li> <li>Enlarged Pores</li> </ul>	1064	Q4	6 x 6	0.85-1.2	5-10	2-3	3~	2-3
<p>The use of DOE handpiece in skin rejuvenation treatment delivers even energy distribution leading to more effective treatment to problem areas.</p> <p>❖ <b>Endpoint:</b> Mild erythema</p> <p>- <b>Note:</b> The handpiece tip should be in complete contact and horizontal to the skin. If not, a popping plasma sound and a more aggressive skin reaction might occur than expected. The treatment does not require anesthesia.</p> <p>: Clean the DOE handpiece's tip and window before &amp; after treatment.</p> <p>- <b>Post care:</b> Apply hydrocortisone (~1%).</p>								
								 Immediately after

### Gold Toning

2 mm, 5 mm  
Gold Toning



Indication	Wavelength (nm)	Mode	Spot Size (mm)	Fluence (J/cm <sup>2</sup> )	Pulse Rate (Hz)	Pass	Session	Interval (weeks)
<ul style="list-style-type: none"> <li>Acne</li> <li>Post Acne Redness</li> <li>Facial Flushing</li> <li>Rosacea</li> </ul>	585	QS	5	0.16-0.24	5	2-3	5-10	1-2
<p>Gold Toning normalizes micro blood vessels and reduces inflammation in the surrounding area.</p> <p>❖ <b>Endpoint:</b> Mild erythema</p> <p>- <b>Post care:</b> Apply hydrocortisone (~1%).</p>								 Immediately after
<ul style="list-style-type: none"> <li>Sky Blue Tattoo</li> </ul>	585	QS	2	2.4~	1-2	1	3~	6-8
<p>❖ <b>Endpoint:</b> Frosting. Pinpoint bleeding is acceptable.</p> <p>- <b>Procedure:</b> Perform a test spot for an appropriate skin response. Never treat same area again.</p> <p>- <b>Post care:</b> Apply a cold compress and antibiotic ointment then, cover the treated area.</p>								

### RuVY Touch

2 mm  
RuVY Touch



Indication	Wavelength (nm)	Mode	Spot Size (mm)	Fluence (J/cm <sup>2</sup> )	Pulse Rate (Hz)	Pass	Session	Interval (weeks)
<ul style="list-style-type: none"> <li>Epidermal Pigment</li> </ul>	650	QS	2	0.8~	1	1	1-2	4
<p>RuVY Touch can safely target epidermal pigments than 532 nm. It has low oxy- and deoxy-hemoglobin absorption, therefore less damage to superficial blood vessels reducing side effects.</p> <p>❖ <b>Endpoint:</b> Mild Frosting</p> <p>- <b>Note:</b> Adjust fluence depending on the type of lesion.</p> <p>- <b>Post care:</b> Apply antibiotic ointment or hydrocortisone (~1%).</p>								
<ul style="list-style-type: none"> <li>Green Tattoo</li> </ul>	650	QS	2	3.2~	1-2	1	3~	6-8
<p>❖ <b>Endpoint:</b> Frosting. Pinpoint bleeding is acceptable.</p> <p>- <b>Procedure:</b> Perform a test spot for an appropriate skin response. Never treat same area again.</p> <p>- <b>Post care:</b> Apply a cold compress and antibiotic ointment then, cover the treated area.</p>								



## GUI (Graphic User Interface)

### Shot Count:

The total number of shots accumulated during a session. The Reset button returns the shot count to zero.

### Pulse Rate (Hz):

The number of pulses which are emitted per second. Select from S1 (single shot)/ 1/ 2/ 5/ and 10.

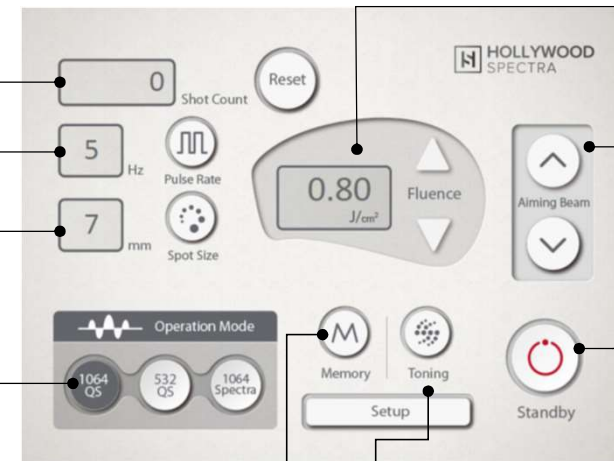
### Spot Size (mm):

Shows the laser spot size. This will automatically change when spot size is changed on on the handpiece.

### Operation Mode:

Select the wavelength or mode.

1064 QS		
1064 Q-PTP	532 QS	1064 Spectra
1064 Q3		
1064 Q4		



### Memory:

Saves parameters, recalls and displays the parameters on the control panel.

### Toning:

The Parameters used for laser toning are saved to recall, press the button.

### Fluence (J/cm²):

Energy density per unit area. To adjust energy, press the up or down buttons.

### Aiming Beam:

Indicates the point of impact of the treatment beam. The intensity of the aiming beam is adjustable.

**\* In the Standby status, the aiming beam is inactive.**

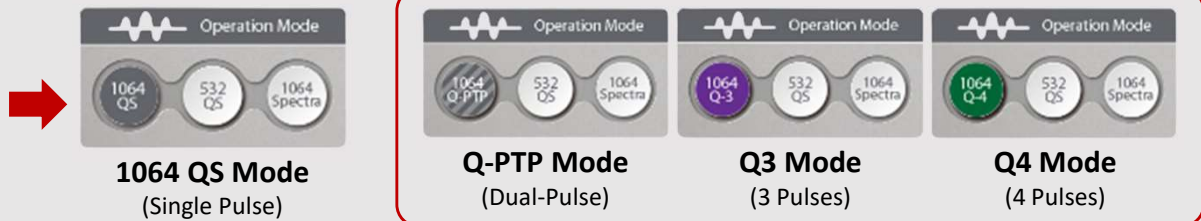
### Standby / Ready:

**Standby (Default)** – The laser will not radiate even though the foot switch is depressed. Parameters are allowed to be set.

**Ready** – Laser emission is possible.

**\* Ready status reverts to Standby automatically if the foot switch is not pressed for 3 minutes.**

## PTP+ Modes

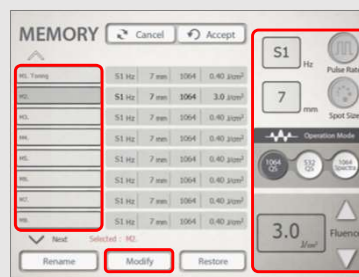


- Press the '1064 QS' on the GUI, and it will toggle through PTP+ choices (Q-PTP > Q3 > Q4 Modes).
- Always reset the fluence when the mode has changed.

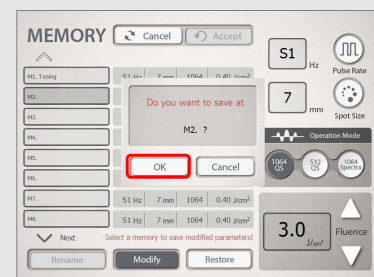
## Memory



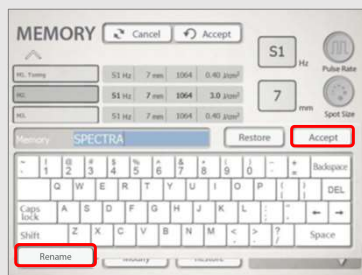
① Press the 'M' button to activate memory function.



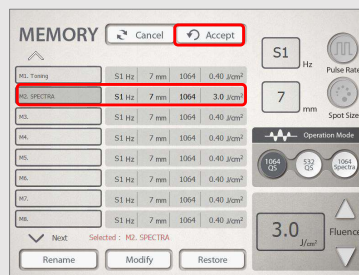
② Press the 'Modify' button to activate the parameter setting. After setting parameter, press one of the M1-M16 button.



③ Once a pop-up window is displayed, press the 'OK' button to save the preset.



④ Press the 'Rename' button and type a name using the keyboard. Press 'Accept' button.



⑤ To recall a memory, select a saved memory from the list. Press 'Accept' button.



⑥ The selected parameter memory is recalled and displayed.

## Use of Handpiece

### Connecting the Handpiece



- ① Hold the end of the arm and carefully insert and screw the handpiece clockwise.
- ② Check both arrows on the cable socket and the handpiece cable connector. Push the connector into the port in a straight line as shown in the photo.

### Adjusting Spot Sizes

#### ❖ Zoom Handpiece & Zoom-Collimated Handpiece



- ① Hold the spot size controller and pull it down.
- ② Select a spot size, turning to the right or left as desired.
- ③ The selected spot size is automatically displayed on the GUI.

#### ❖ MDF Handpiece



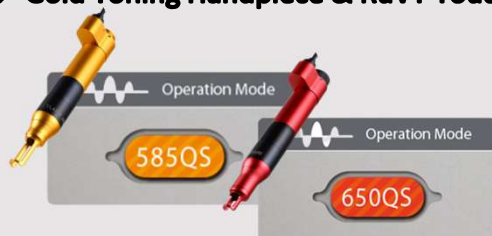
##### [Spot size]

- The scan size can be adjusted (4-8 mm).
- To adjust the scan size, pull the part illustrated in the upper panel down gently and turn right to decrease or left to increase the scan size.

##### [Microbeam Step]

- The microbeam step can be adjusted in 3 steps.
- To adjust the step from 1 to 3, gently but firmly pull the part down illustrated in the panel above and turn right.
- The penetration depth can be adjusted through the microbeam step.

#### ❖ Gold Toning Handpiece & RuVY Touch Handpiece

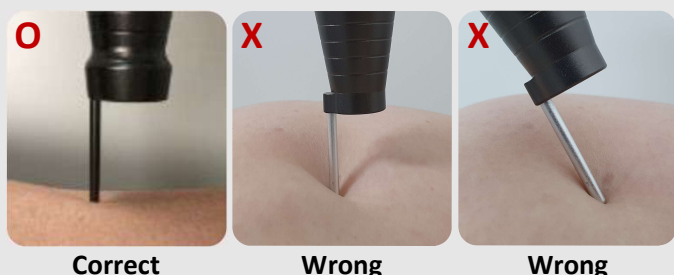


- Hollywood Spectra automatically recognizes its wavelength and displays on the GUI screen.

\* Dye handpieces do not deliver aiming beam to guide the lesion. Therefore, position the tip accurately on the treatment area.

\* Since the Dye Rod in the handpiece is consumable, replace it at an appropriate time.

### Use of Handpiece



- Hold the handpiece perpendicular to the skin. Place the handpiece lightly on the skin, taking care not to press into the surface of the skin (center panel). Ensure the handpiece is not at an angle to the skin (right panel).
- When using the collimated handpiece, hold the handpiece perpendicular to the skin, and maintain the distance between the handpiece and the skin surface within 5 cm.

## Handpiece Maintenance

### Cleaning Handpiece & Window



- ① Separate the handpiece tip from the body.
- ② Cleaning:
  - a. Handpiece body surface – Clean with a slightly damp cloth.
  - b. Handpiece tip – Clean with alcohol swab or 90% ethanol.
  - c. Window – Remove debris using a cotton swab moistened with 90% ethanol.



#### [CAUTION]

- Do not apply excessive force to avoid damage of window coating.
- If carbon particles have accumulated on the tip during treatment, always clean them off.
- The MDF and DOE handpiece tip and window must be kept clean before & after treatment.

### Replacing Dye Rod

#### ❖ When to Replace



Initial state  
of Dye Rod



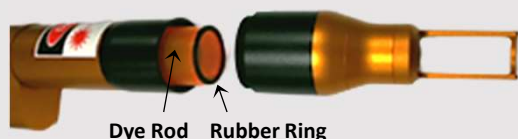
Appropriate time for  
Dye Rod replacement  
(2/3 depletion)



Excessively  
used state

- When rods are more than 2/3 depleted, the efficiency progressively decreases and potential for adverse side-effects increases.
- The Dye Rods have a limited life expectancy as an inherent characteristic of the material. Therefore, periodic inspection and replacement is required.

#### ❖ How to Replace



- ① Hold the rear part of the handpiece and separate front portion from the body.
- ② Replace the Dye Rod and Rubber Ring with new ones.
- ③ Reset the shot count of Gold Toning in 'Setup.'

#### [CAUTION]

- Do not touch the Dye Rod with your bare fingers. The use of surgical gloves when handling the Dye Rods is essential. Even when wearing gloves, handle the Dye Rods only by the sides. Do not touch the Dye Rod front or rear faces.
- Check the Dye Rod to make sure it is clean. Use an airbrush to blow away any dust or debris.



### Replacing Window



- ① In case the handpiece window is damaged, separate the handpiece tip from the body.
- ② Replace the window with new one by rotating it counter-clockwise.

#### [CAUTION]

- Be careful not to leave any fingerprints on the window.



## Post Treatment Care

- Clean the treated area gently and avoid rubbing or irritating the skin. Usually, the bronzed skin will peel off within 5-7 days after the treatment.
- Do not exercise for one-week post treatment or until initial healing has occurred. Activities that can increase the blood flow or body temperature could increase the redness on the treated area (e.g., alcohol consumption, exercise, sauna).
- Do not use functional cosmetics with Retinol or AHA for 48 hours post-treatment unless prior permission from your doctor.
- Do not use alcohol contained cosmetics should be avoided for one-week post-treatment. The patient may use a mild skin moisturizer as a substitute.
- Apply a UVA/B sunblock with SPF 30 PA++ or greater, use an umbrella, cap, or any available protection against sunlight when for at least 30 days after treatment.
- Please notify your doctor if you are taking or applying any medication that could increase the risk of photosensitization.

**For more information, please contact your physician at the address below:**