

MODEL: SHE-LSP108-C

PICOSECOND & 1064 LONG PULSE ND: Yag Laser System



USER MANUAL



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I . OVERVIEW OF MACHINE

1.1 Machine Structure

01

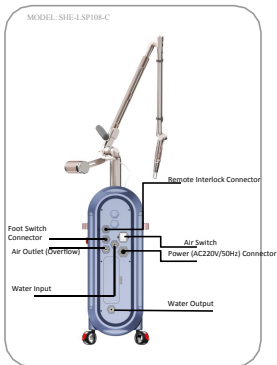
Front View

MODEL: SHE-LSP108-C



1.1 Machine Structure

Back View



1. OVERVIEW OF MACHINE

1.2 Accessories

03

Product Name	QTY	Unit	Product Name	QTY	Unit
Laser Arm and Its Related Parts	1	Group	Laser Protective Glasses	1	Pair
Filter	1	Piece	Exhausts	1	Piece
Funnel (for Water Input)	1	Group	Interlock Connector	1	Piece
CPC Parts	2	Piece	Foot Switch	1	Piece
Hex Keys	4	Piece	Exhaust Line	1	Piece
Sensors	4	Piece	Test Photographic Paper	2	Piece



Laser Arm and Its Related Parts

Laser Protective Glasses & Exhausts



Foot Switch

Funnel (for Water Input)

Exhaust Line



Test Photographic Paper

Interlock Connector

Filter



Hex Keys & Keys

1.3 Installation

Take out the accessories and place them indoors for 30 minutes before installation.

Step ①: Install laser arm.

Install the anti-shock pad of laser arm.



Turn the laser outlet connector part to the position of anti-shock pad



Install and fix the anti-shock pad

Install and fix the treatment head holder



Align holder with the holes and apply the screws.

Install the hammer.



Align the part with holes and apply the screws as shown in the picture.



Then install the metal shell.



Align the Pedestal with holes and install it.

1.3 Installation

Step ①: Install laser arm.

Install treatment head.



Install treatment head as shown in the picture.

Install data cable of treatment head.



Insert the data cable well as shown in the picture directed by red arrow.

Install data cable of laser arm.



Insert the data cable well and twist to tighten it.

Step ②: Install laser arm on the main body of machine.

Twist to remove the dust-proof cover. Twist to fix the pedestal on the machine.



Shown by picture.

Install the laser arm.

NOTE



Install the laser arm on the pedestal as shown in picture.

Please do not grasp the laser arm too hard.

1.3 Installation

Step ②: Install laser arm on the main body of machine.

Twist to fasten the connector



Shown by
picture.

Insert the data cable connector well.



Shown by
picture.

Adjust the position of hammer for
doctors to operate the machine easier during
treatment.



Twist to loosen the black knob and press down the black
button, adjusting the position of laser arm and hammer
to keep balance weight.
Then release the black button and twist the knob to
fasten the connection of parts.

Adjust the height of hammer



Twist the black knob to adjust the height of hammer
for doctors to operate the machine easier during
treatment.

Step ③: Add water.

Insert the CPC part into the Overflow. (Keep
the plug inserted.)
(Press down the metal spring plate and
then insert the CPC.)



Insert the funnel part into the Water Input.
(Keep the plug inserted.)
(Press down the metal spring plate and then
insert the CPC.)



1.3 Installation

Step ③: Add water.

Fill the tank with SL distilled/purified water. (Add water SL in the machine.)

A little water will flow out from Overflow when the water tank is filled.

Then remove the funnel. (Press down the metal spring plate to remove the funnel.)



To avoid water overflow after turning on the machine, about half a cup of water shall be discharged from Water Output after adding water.

NOTE: Keep CPC part inserted into the Overflow all the time.



Step ④: Install foot switch, interlock connector and power line as shown in the picture.



Install foot switch.



Install power line.



Install interlock connector.



Turn on the power switch.

1.4 Machine Parameters

Laser Type	Picosecond Technology, ND:Yag
Machine Power	1300W
Laser Output System	Korea-Imported Hammer Type 7-Joint Picosecond Laser Arm
Laser Wave Length	1064nm&532nm
Treatment Head	Standard Focused Laser Treatment Head
Pulse Duration(Pulse Width)	PICOSECOND: 2000P LONG PULSE: Single:500-5000us Multi:100-300us
ENERGY	PICOSECOND: Q1064nm:80-800mj Q532nm:40-400mj PTP1064nm:80-1600mj PTP532nm:40-800mj Genesis mode:80-2400 LONG PULSE: Single:1-30j Multi:200-3000mj
Spot Size	2-10mm
FREQUENCY(Hz)	PICOSECOND: 1-10Hz LONG PULSE: Single:1Hz Multi:1-10Hz
Coolant	Distilled/Purified Water
Screen	12 Inch Color Touch Screen
Cooling System	Wind Cooling+Water Cooling
Power Supply	AC220V±10% 50Hz AC110V±10% 60Hz
Net Weight of Machine	100KG
Dimension of Machine	90*35*190CM
Gross Weight (Including Machine & Packing)	125KG
Dimension (Including Machine & Packing)	107*48*133CM

II. SYSTEM INTRODUCTION

2.1 Working Principle

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The machine is composed of two systems: PICOSECOND & 1064 LONG PULSE. And they have different parameters and working principles.

In PICOSECOND system, Nd:YAG laser blasting effect under short pulse width (pulse duration) is applied to break epidermal and dermal pigmentation into smaller particles. Then these particles will be drained out from human body through metabolism. Thus pigmentation removal is realized.

In LONG PULSE system, selective photothermolysis of Nd:YAG long pulse width (pulse duration) is used for destroying follicles and red vascular cells, thus hair removal and red vein removal can be realized.

2.2 Screen Display



Start-Up Screen

Wait for a while and then turn to: Picosecond/Long
Pulse MODE Selection Page

Picosecond	For Picosecond System
Long Pulse	For Long Pulse System
OK	Press "OK" for Functions Screen.
Genesis mode/Wave Length: 1064nm)	Multi-Pulse Mode; ENERGY: 80-2400mj(Skin Rejuvenation & Skin Whitening)

2.2 Screen Display

2.2.1 Flouresceol Mode



Functions Screen

Red Incident	For Red Pigment Removal
Gilt Removal	For Redness & Rosacea
Body Tattoo	For Body Tattoo Removal
Eye Brow Tattoo	For Eyebrow Tattoo Removal
Laser Toning	For Skin Rejuvenation
* All functions are available for all devices and versions.	

Details of Parameter Screen (Parameter Screens are all the same for the Five Functions).



CLASS	Single-Pulse Mode, ENERGY: 00-2000J
MODE	Single-Pulse Mode, ENERGY: 00-2000J
WAVELENGTH	Single-Pulse Mode, ENERGY: 00-2000J
ENERGY	Single-Pulse Mode, ENERGY: 00-2000J
COOLING mode (Wave Length: 00-2000J)	Multi-Pulse Mode, ENERGY: 00-2000J (Skin Rejuvenation & Skin Whitening)
ENERGY	Level of Energy
PULSE RATE	Energy Density, User/Consultor adjusted according

SPOT SIZE	SPOT SIZE is for adjusting brightness of red and yellow light
SPOT SPACING	SPOT SPACING is for adjusting distance of spots
SPOT DURATION	SPOT DURATION is for adjusting duration of spots
SPOT SHAPE	SPOT SHAPE is for adjusting shape of spots
SPOT COLOR	SPOT COLOR is for adjusting color of spots
SPOT SIZE	SPOT SIZE is for adjusting brightness of red and yellow light
SPOT SPACING	SPOT SPACING is for adjusting distance of spots
SPOT DURATION	SPOT DURATION is for adjusting duration of spots
SPOT SHAPE	SPOT SHAPE is for adjusting shape of spots
SPOT COLOR	SPOT COLOR is for adjusting color of spots

2.2 Screen Display

2.2.2 Long Pulse Mode



HELP	Single Long Pulse, ENERGY: 1.00
HELP	Single Long Pulse, FREQUENCY: 000 (setting)
ENERGY	Level of Energy (fixed)
ENERGY	Energy Density, User/Can not be adjusted on screen.
B-LIGHT	B-LIGHT is for adjusting brightness of red indicator light.
mm	Spot Size (Can not be adjusted on screen.)
FREQUENCY (Hz)	Under HELP mode, FREQUENCY (Hz) is 1 (Adjustable) Under HELP mode, FREQUENCY (Hz) ranges from 1.00 (Adjustable)
status	Ready
working	Start Working (Stop on last switch for laser output.)
COUNT	"COUNT" is the Quantity of Laser Shots (Laser Emission Times), Click "COUNT" in display.

2.2.3 Genesis mode



ENERGY	Level of Energy (fixed)
ENERGY	Energy Density, User/Can not be adjusted on screen.
B-LIGHT	B-LIGHT is for adjusting brightness of red indicator light.
mm	Spot Size (Can not be adjusted on screen.)
FREQUENCY (Hz)	FREQUENCY (Hz) ranges from 1.00 (Adjustable)
status	Ready
working	Start Working (Stop on last switch for laser output.)
COUNT	"COUNT" is the Quantity of Laser Shots (Laser Emission Times), Click "COUNT" in display.

III. REGULAR MAINTENANCE

3.1 NOTES for Use

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- (1) Treatment shall be performed at a room temperature of about 25 ° C, and the room temperature shall not be too high.
- (2) Clean and wash skin thoroughly, and start treatment when the skin is dry.
- (3) All personnel in treatment room must wear laser protective glasses.
- (4) Water temperature protection system will start when the water temperature is lower than 8 °C, turn on the machine and let it run for a while.
- (5) Facing laser towards reflective objects is strictly prohibited when the machine is working.
- (6) Please do not turn off the machine when the handle is working or during treatment. Back to Home Page before turning off machine.
- (7) Clean the handle (treatment head) with alcohol after each treatment.



3.2 Other Precautions

- (1) Laser arm shall be fixed firmly and it shall be installed according to steps shown in user manual pictures.
- (2) Avoid dust when installing laser arm.
- (3) Fix the Remote Interlock firmly before turning on machine.
- (4) Fill the tank with purified water/distilled water before turning on the machine.
- (5) Renew water once a month, only purified water/distilled water is allowed.
- (6) Insert the CPC part into the Overflow (Keep the plug inserted).
- (7) Avoid eyes and skin (except for treatment area) exposure to direct or scattered laser beam.
- (8) Avoid eyes or skin hurt by laser beam reflected by mirror or reflective objects (stainless steel, etc).
- (9) Keep laser beam away from inflammables and explosives.
- (10) There is high voltage inside power supply system. To avoid electric shock, non-professionals are not allowed to open power cabinet.
- (11) Avoid knock, collision, stress or shake during use and storage. Settle the machine to the correct position, covering it with special packing material to prevent dust every time after use.

4.1 Indications & Contraindications

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■ Indications:

The Picosecond can be used for:

1. Removal of intractable speckles such as freckles, sunburn, age pigment, chloasma, dermal spots, etc.
2. Skin rejuvenation and skin whitening, pore shrinking;
3. Treating uneven skin tone, for skin lightening;
4. Treating acne scars and pockmarks; pigmentation removal;
5. Removal of red/black moles;
6. Removal of large areas of body tattoos and red/blue eyebrow tattoos;
7. Removal of Birthmarks.

The Long Pulse can be used for:

1. Hair Removal;
2. Red Veins Removal.

■ Contraindications:

1. Patients with injuries on treatment area;
2. Patients with scar diathesis;
3. Women/patients with pregnancy or on menstrual period;
4. Photosensitive patients;
5. Patients with acute/severe diseases;
6. Patients with skin types of V-VI shall be carefully;
7. Patients with skin diseases shall ask their doctors to judge whether they can accept laser treatment.

4.2 Treatment Procedure

4.2.1 Treatment for Patients

There are six SKIN TYPES. Patients with SKIN TYPE I and II can usually accept treatment, and the energy can be adjusted within a large scope; while the machine shall be operated much more carefully on patients with SKIN TYPE V. Patients with SKIN TYPE VI shall not accept laser treatment.

4.2.2 Skin Care before Treatment

- (1) Sun protection is needed before treatment. Skin recently exposed to sunlight cannot accept hair removal treatment until it is recovered.
- (2) Keep moisturizing for your skin. Laser may cause stimulation to skin, thus moisturized skin is better for recovery after treatment.
- (3) Pay attention to diet. Avoid foods (such as seafood, spicy foods, etc) that will cause skin irritation/allergy.
- (4) Patients sensitive to pain can apply anesthetic cream to treatment area one hour before treatment and cover the area with plastic wrap for absorption of anesthetic cream.

4.2 Treatment Procedure

4.2.3 Operation Procedure

■ Picosecond Treatment

1. Clean the treatment area. Remove the hair on treatment area.
2. Apply anesthetic ointment if needed.
3. Disinfect treatment area.



4. The patient shall wear eyeshade and the operator shall wear laser protective glasses during treatment.



5. Adjust parameters for treatment according to recommended parameters shown in table below; Skin test is needed before treatment. Choose a skin area at the edge of treatment area and conduct treatment on it, then wait for 2-5 minutes to observe the skin reaction. Serious skin reaction (such as swelling, blood oozing) means that the energy level is too high and it shall be lowered; if there is no reaction on skin, then it means that the energy is too low and it needs to be increased;

The best treatment effect is reached when: the skin is flushed or become mild red during freckle removal or skin rejuvenation treatment; blood oozing or scab occurs on skin during mole removal treatment; swelling occurs during body tattoo removal.



4.2 Treatment Procedure

4.2.3 Operation Procedure

6. It is advised that no breaking skin or blood oozing occurs during freckle removal treatment. This will help to minimize the risk of pigmentation. Add treatment times if needed.
7. Apply medical facial mask for 7 days for skin to recover and minimize the risk of pigmentation.



8. Physical sunscreen (such as wearing a mask or taking sun umbrella while going out) shall be conducted after treatment.
9. The treatment is usually performed with an interval of about one month. Recommended times for treatment is listed in parameter table. Doctors shall determine whether to add treatment times according to patient's recovery.
10. Patients shall apply cold medical facial mask on face and apply ice compress on body parts after treatment.
11. Ice compress and treatment shall be conducted at the same time for large-area body tattoo or birthmark removal.

Long Pulse Treatment

1. Clean the treatment area. Remove the hair on treatment area;
2. Apply anesthetic cream before treatment if needed;
3. Disinfect treatment area.



4. The patient shall wear eyeshade and the operator shall wear laser protective glasses during treatment.

4.2 Treatment Procedure

4.2.3 Operation Procedure



5. Cooling device (such as cold wind machine) shall be prepared when using LONG PULSE for treatment;
6. Conduct skin test on treatment area after adjusting parameters. Observe whether side reaction occurs on skin after 2-5 minutes.
7. Start treatment after skin test. Treatment head must be in full contact with the skin. Good curative effect is reached when the patient feels stinging pain during treatment. Swelling may appear on skin follicles for coarse and thick hair removal. Observe skin reaction during red vein removal treatment. Best curative effect is reached when red veins are faded or turns mild red.
8. Apply ice compress after treatment, especially for red veins removal, 20-40 minutes' ice compress after treatment is necessary.

4.2.4 Treatment Course

● Picosecond Treatment:

- (1) For speckle removal, usually 1-2 treatments for freckles and 4-6 times for chloasma, with an interval of 4-5 weeks depending on patient's recovery after treatment.
- (2) For tattoo removal, treatment times depends on types of dyes, usually 3 treatments for tattoos of natural dyes. For tattoos of other dyes, treatment times shall be increased according to patient's recovery. Treatments shall be performed with an interval of 1-2 months.
- (3) For skin rejuvenation, one treatment course usually covers 3 treatments with an interval of 1 month.

Long Pulse Treatment

- (1) For hair removal, usually 3-5 treatments are needed. Treatment times shall be increased according to patient's recovery. Treatments shall be performed with an interval of 4-5 weeks.
- (2) For red vein removal, usually 1-3 treatments are needed with an interval of 4-5 weeks.

4.3 Care After Treatment

■ Care After Picosecond Treatment

- (1) Patients may feel a little painful after treatment. Skin paling, blood-crusting, temporary swelling or purpura may occur after treatment, but they can be absorbed by body itself. No worries.
- (2) Apply ice compress immediately after treatment. Cold facial mask can be used after face area treatment.
- (3) Keep skin moisturising after treatment. Medical facial mask helps for skin recovery and minimizing risk of pigmentation.
- (4) The scab can fall off within 7-14 days. Do not remove the scab manually because it may slow down skin recovery and lead to pigmentation.
- (5) Due to individual differences or weather/climate changes, treatment area shall be protected from water or other liquids to avoid infection. Try to avoid spicy foods, seafood and alcohol for several days after treatment. No smoking.
- (6) Normal pigmentation may occur on very few patients, and these pigmentation will gradually fade after 1-3 months.
- (7) Avoid sunlight to prevent pigmentation after treatment.
- (8) For abnormalities occur after treatment, please go for a doctor.

■ Care After Long Pulse Treatment

- (1) Normal redness and swelling may appear on follicles after hair removal treatment. It is recommended to apply iodophor to avoid folliculitis.
- (2) Normal scab may appear on skin after red veins removal treatment. Scald ointment is recommended for better recovery of skin. Over-high energy or lack of ice compress may cause small blisters. Treat these blisters immediately and apply scald ointment.
- (3) Avoid water within 24 hours after LONG PULSE treatment. Apply iodophor or normal saline to clean treatment area.
- (4) The scab can fall off within several days. Do not remove the scab manually.
- (5) Avoid sunlight for 1-2 weeks after treatment.

4.4 Parameters for Treatment

Picosecond Parameters for Treatment						
Symptom		MODE	WAVELENGTH (nm)	Spot Size (mm)	Treatment Times	Wavelength (Hz)
Spindle/ Nevus Removal	Chloasma	FTPIH64	80-120	7-10	3-8	5-10
	Nevus	QIH64	140-120	4-5	1-2	1-2
	Red Nevus	Q532	140-120	5-6	1-2	1-2
	Redden	QIH64	80-120	4-5	1-2	1-2
	Carb-on-lip spots/Nevus	QIH64	80-140	5-7	2-4	2-5
		Q532	40-140	5-8	2-4	2-5
	Am Nevus	Q532	40-140	4-5	2-4	1-2
Tattoo Removal	Red	Q532	40-140	4-7	2-5	2-8
	Black/ Blue	QIH64	140-800	4-7	2-4	2-8
	Brown	QIH64	140-800	4-7	2-4	2-8
	Green	QIH64	140-800	4-7	2-5	2-8
		Q532	40-140	4-7	2-5	2-8
	Tattoo is caused by different types of dyes. During tattoo removal treatment, 1064nm laser shall be used first (no matter what tattoo color it is, red, green, etc), then choose 532nm when the tattoo color turns light after several treatments. Applying 532nm laser directly may cause depigmentation (white/pale spots, especially for dark skin colors, brown skin).					
Skin Rejuvenation		Gemc mode	80-120		2-4	5-10
Birthmark Removal	Dark Color	QIH64	140-400 (Single)	4-8	2-8	2-5
	Red	Q532	40-140 (Single)	4-7	2-5	2-8
Laser Carbon Peel		QIH64	80-120 (Single)	5-10	1-2	5-10
	Conduct the treatments with an interval of 1-2 weeks for regular (long-term) skin care.					
It is advised that no breaking skin or blood oozing occurs during treatment. This will help to minimize the risk of pigmentation. Add treatment times if needed.						

4.4 Parameters for Treatment

LONG PULSE Parameters for Treatment							
Other Treatment Heads							
Treatment	Treatment Head	WAVE (nm)	Energy/PULSE (SINGLE/DOUBLE)	Spot Size (mm)	Treatment Sessions	Frequency	Treatment Sessions Interval
Skin/Whitening (Shallow Layer Pigmentation)	Cellular Head	1064	80-320 (SINGLE)	Not Adjustable	2-4	5-10	4-6 Weeks
Skin Rejuvenation	Cellular Head	532	40-80 (SINGLE)	Not Adjustable	2-4	2-5	4-6 Weeks
Skin/Whitening (Deep Layer Pigmentation)	Fractional-1064	1064	80-320 (SINGLE)	Not Adjustable	2-4	5-10	4-6 Weeks
Skin Rejuvenation	Fractional-532	532	40-80 (SINGLE)	Not Adjustable	2-4	2-5	4-6 Weeks
NOTES: The possibility of pigmentation is related to skin color. Darker skin color is easier to suffer pigmentation. To prevent or lower the possibility of pigmentation after treatment, you can apply lower Energy to prevent inflammation.							
Focusing Treatment Head – Genesis mode							
Treatment	Treatment Head	WAVE (nm)	ENERGY	Spot Size (mm)	Treatment Sessions	Frequency (Hz)	Treatment Sessions Interval
SKin Rejuvenation & Skin Whitening	Focusing Treatment Head	1064 Not Adjustable	120-560	7-10	2-4	7-10	4-6 Weeks

4.4 Parameters for Treatment

LONG PULSE Parameters for Treatment						
Red Veins Removal						
Symptoms	MODE	FREQUENCY (Hz)	ENERGY	Spot Size (mm)	Epidermal/Epidermal Deep/Half Treatment	Time for Treatment
Red Veins Removal	SLP	1	5-8	5-7	1-2	2-4
<div><div>1. Adjust the parameters from lower energy to higher energy and observe whether there are changes on veins, and the best curative effect is reached when the veins become thinner or turns red.</div><div>2. The thicker (deeper) the veins are, the higher energy is needed, and the spot size is smaller.</div><div>3. Spot size shall be larger than 4mm during treatment.</div><div>4. Over-high energy may cause small blisters on skin. Some blisters may appear after 1-4 days after treatment. Thus 20-40 minutes' ice compress is needed after each treatment.</div></div> <div>NOTE: Only superficial (epidermal) red veins can be removed during treatment, dark/deep veins cannot be removed thoroughly.</div>						

LONG PULSE Parameters for Treatment							
Skin Types I - II for Hair Removal							
Hair Color	Body Part	MODE	FREQUENCY (Hz)	ENERGY	Spot Size (mm)	Epidermal/Epidermal Deep/Half Treatment	Time for Treatment
Black/ Brown Hair	Hair Line	SLP	1	4-7J	5-10	3-5	3-5
		MLP	1-2	1000-2000 mJ	4-5	3-5	3-5
	Eye/lash/ Upper Lip	SLP	1	5-8J	5-10	4-6	3-6
	Armpit	MLP	1-2	1000-2000 mJ	4-5	3-5	3-6
	Bikini	SLP	1	3-6J	5-10	3-6	3-5
		MLP	1-2	1000-2000 mJ	4-5	3-6	3-5

4.4 Parameters for Treatment

LONG PULSE Parameters for Treatment							
Skin Types I - II for Hair Removal							
HairColor	BodyPart	MODE	FREQUENCY (Hz)	ENERGY	SpotSize (mm)	Operation/Spot Size/Spot Treatment	Time/for Treatment
Black/ Brown Hair	Finger	SLP	1	5-8j	5-10	4-5	3-5
		MLP	1-3	1000-2000 mj	4-5	4-5	3-5
HairColor	BodyPart	MODE	FREQUENCY (Hz)	ENERGY	SpotSize (mm)	Operation/Spot Size/Spot Treatment	Time/for Treatment
Black Hair	HairLine	SLP	1	5-8j	5-10	3-5	3-5
		MLP	1-3	1000-2000 mj	4-5	3-5	3-5
	Eyebrow/ Upper Lip	SLP	1	5-8j	5-10	4-6	3-6
	Armpit	MLP	1-3	1000-2000 mj	4-5	3-5	3-6
	Bikini	SLP	1	4-7j	5-10	3-6	3-5
		MLP	1-3	1000-2000 mj	4-5	3-6	3-5
	Bikini	SLP	1	5-8j	5-10	4-5	3-5
		MLP	1-3	1000-2000 mj	4-5	4-5	3-5

4.4 Parameters for Treatment

LONG PULSE Parameters for Treatment							
Skin Types III-IV for Hair Removal							
HairColor	BodyPart	MODE	FREQUENCY (Hz)	ENERGY	Spot Size (mm)	Operation/Repeat (Timing/Shot/Treatment)	Time/cycle Treatment
BlackHair	HairLine	SLP	1	3-5j	5-10	3-5	3-5
		MLP	1-3	1000-2000 mj	4-5	3-5	3-5
	Eyebrow/Upper Lip	SLP	1	3-4j	5-10	4-6	3-6
	Axilla	MLP	1-3	1000-2000 mj	4-5	3-5	3-6
	Hand	SLP	1	3-4j	5-10	3-6	3-5
		MLP	1-3	1000-2000 mj	4-5	3-6	3-5
	Foot	SLP	1	4-5j	5-10	4-5	3-5
		MLP	1-3	1000-2000 mj	4-5	4-5	3-5
Skin Types V -VI for Hair Removal							
HairColor	BodyPart	MODE	FREQUENCY (Hz)	ENERGY	Spot Size (mm)	Operation/Repeat (Timing/Shot/Treatment)	Time/cycle Treatment
BlackHair	HairLine	SLP	1	1	5-10	3	3-5
		MLP	1-3	200	5-10	3	3-5
	Eyebrow	SLP	1	1	5-10	4	3-6
	Axilla	MLP	1-3	200	5-10	3	3-6

4.4 Parameters for Treatment

LONG PULSE Parameters for Treatment							
Skin Types V -VI for Hair Removal							
Hair Color	Body Part	MODE	FREQUENCY (Hz)	ENERGY	Spot Size (mm)	Cycles/Spot/Time (s)	Times for Treatment
Black Hair	Hand	SLP	1	1	9-10	3	3-5
		MLP	1-3	200	9-10	3	3-5
	Finger	SLP	1	1	9-10	4	3-5
		MLP	1-3	200	9-10	4	3-5
		Skin Types of V -VI contains more melanin than other skin types. Thus patients with Skin Types of V -VI shall be carefully during treatment to avoid scald.					

1. Adjust the parameters from lower energy to higher energy. The best curative effect is reached when the patient feels mild stinging pain.
2. Normal redness and swelling may appear on follicles after coarse and thick hair removal treatment.
3. Pay attention to spot size and ENERGY because smaller spots causes overlapping of laser energy.
4. Spot size shall be larger than 4mm during treatment.