

SYNERTM JET^{PRO}



Treatment Guideline

- ※ This equipment can only be operated by physicians who have received training from HIRONIC, and users must familiarize themselves with the user manual in advance.
- ※ This document is provided for reference purposes only. Depending on the patient's skin condition, the physician should conduct a **TEST SHOT** and use an appropriate treatment setting based on their judgment.
- ※ The parameters presented are for reference purposes only and must be adjusted according to individual cases.
- ※ Please note that any issues arising from improper use or excessive treatments are **not the responsibility of the company.**

Cautions before treatment

- Pregnant or breastfeeding women
- Individuals with open wounds or surgeries that may bleed
- Patients with electronic devices implanted in the body (such as bioabsorbable stents)
- Confirm that the patient is suitable for the medications and treatments used in this procedure (check for patient-specific concerns related to the procedure)
- Direct use on the eyes is prohibited, and eye protection must be observed
- Immediately discontinue the procedure if any adverse reactions occur during treatment

Cautions after treatment

- After the procedure, pinpoint bleeding, mild redness, and bruising may occur at the injection sites. These symptoms usually resolve naturally within 3-7 days.
- It is recommended to apply regenerative cream, moisturizer, and sunscreen to the treated area; light makeup is permissible.
- Avoid excessive massage, like acupuncture, and heavy makeup on the treated area for 2-3 days.
- Avoid saunas smoking and drinking alcohol for about 7 days
- It is advised to avoid strenuous exercise that causes excessive sweating, as it may hinder skin recovery and the effectiveness of the treatment.

Please be careful as infection or side effects may occur if you do not follow the instructions below.

- The nozzle is disposable, so please discard it after use.
- Never reuse medicines, cosmetics, ampoules, etc. in the nozzle and syringe as this may cause serious infections and side effects.
- ※ Please familiarize yourself with the User Manual for detailed precautions before use.

Jet Setting

• Preparation

- Equipment and SJ nozzle¹⁾, Two Luer-Lock syringes²⁾ (for N/S³⁾ , skin boosters), 3-way stopcock, alcohol swabs

• Method

1. Press the power switch to start the device.
2. Attach the nozzle to the SJ handpiece, and attach the syringe filled with N/S by turning it clockwise.
3. Press the Treatment button, and the screen will display the SCAN message. Hold the tag sticker part of the nozzle over the RFID TAG area below the power switch of the equipment for 3 seconds to recognize it.
4. Once the treatment screen appears, set the protocols for generating jet pressure according to the table below.

POWER (V)	VOLUME (Lv)	SPEED (Hz)
200	3.0	10

5. Point the SJ nozzle upwards, then firmly push the syringe with one hand while stepping on the foot switch for 1-2 seconds to spray N/S into the air.

※ Keep the foot switch pressed and only release your hand from the syringe.

6. Repeat the above process until a bursting sound occurs and the liquid sprays out in a spray form.

※ When spraying, it may not be clearly visible and a loud tearing sound occurs.

7. detach the syringe containing N/S and attach the syringe containing the medication to use.

▶ Check if the skin booster sprays out in a spray form as the sound changes, and once the jet pressure is generated, set the appropriate treatment protocol and start the treatment.

Nozzle Cleaning



- 1) Replace with a syringe filled with N/S (minimum 3~5cc).
- 2) Push out the remaining skin booster in the chamber to expel about 1~2cc.
- 3) Press the 'Nozzle Cleaning' button to start the nozzle cleaning process.
- 4) The nozzle cleaning will proceed automatically for the set duration.
- 5) After cleaning is complete, check if a completion message is displayed.

▶ It is recommended to proceed with cleaning immediately after the procedure before the skin booster hardens.

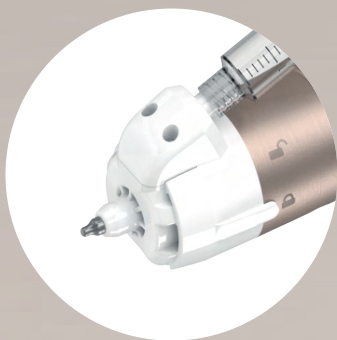
1) SJN: SJ nozzle – SJN 180




2) BD Luer-Lock Syringe: A syringe with a screw-type thread at the front that allows it to be connected to a tube or other devices.

3) N/S: Normal saline

SJ(Synerjet) Handpiece Parameters

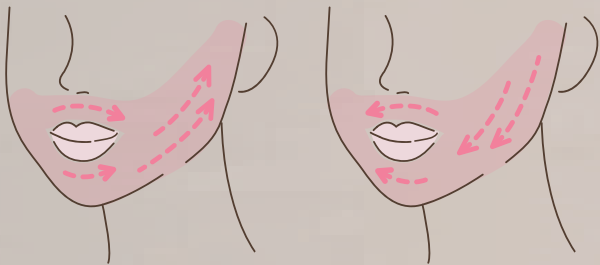
SP SynerJet Handpiece



EP Tip (Electroporation)	
5mm	
10mm	
15mm	


■ Treatment Guide by Areas

Lower Area



- Start near the mandible and uniformly treat one side of the face with a single pass, maintaining a distance of 5mm (15mm for sensitive skin).
- Space the lines about 1cm apart from each other.

Upper Area



- ① Periocular area:
Treat while the eyes are closed and the skin is evenly stretched by hand. Since the skin around the eyes is thinner than other areas, reduce power or increase distance, treating at about ~10mm (15mm for sensitive skin).
- ② Forehead:
Treat similarly to the periocular area, maintaining about ~10mm (15mm for sensitive skin).
- ③ Nose:
Maintain about 5mm (15mm for sensitive skin) during treatment.

SJ(Synerjet) Handpiece Parameters



FACE Care

■ REJUVENATION

Electroporation		Microjet			Dosage / Shots	Interval	End point
EP Tip (mm)	ELPOLA (Lv)	Power (v)	Speed (Hz)	Volume (Lv)			
10	2~3	150~170	10~20	2.0~2.2	2.5~3cc/ 2,000~3,000Shot	2~3 week	Mild Pain/ Mild Erythema
15	2~3	170~190	10~15	2.0			

■ SKIN RENEWAL

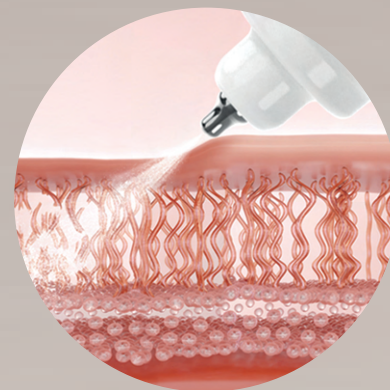
Electroporation		Microjet			Dosage / Shots	Interval	End point
EP Tip (mm)	ELPOLA (Lv)	Power (v)	Speed (Hz)	Volume (Lv)			
5	2~3	160~180	10~20	2.0~2.4	2.5~3cc/ 2,000~3,000Shot	1 week	Pain / Mild Erythema

© End Point: Mild Prickling and erythema

© Down-time: Recovery within about 1+ days

- Enhances transdermal delivery of ampoules by acting on the epidermal layer (within 0.25 mm) through combined Electroporation (EP) and Microjet stimulation.
- Maintain vertical contact between the EP Tip and the skin surface, and perform the procedure using a gentle rubbing motion.
- If the applied ampoule has a low viscosity and begins to run on the skin surface, lower the Speed (Hz) and Volume(Level) for better control.
- If the patient reports pain or prickling sensations, pause the procedure and reduce the Power (V) before continuing.

SJ(Synerjet) Handpiece Parameters



SCAR & STRETCHMARKS Treatment

	Nozzle (um)	Power (v)	Speed (Hz)	Volume (Lv)	Distance(mm)	Dosage/Shots	Interval (Weeks)	Sessions
Acne Scar	180	170~	1~3	1.5~2.0	1~2	Varies by size	3~4	5~10
Stretch marks	180	170~	1~5	1.6~2.2	1~2		3~4+	5~10

© End Point: Immediate embossing → pinpoint bleeding

© Down-time: Most facial areas within about 1 week, body parts at least about 2+ weeks

- Administer the skin booster evenly across the treatment area to ensure proper embossing.
- Place the tip at a 33° angle to the treatment area. *Lowering the angle enhances the Subcision effect.
- If skin booster or blood pools in the treatment area, it can significantly reduce output, so wipe it off during the procedure.

SCALP Care

■ NOURISHMENT

Electroporation		Microjet			Dosage / Shots	Interval	End point
EP Tip (mm)	ELPOLA (Lv)	Power (v)	Speed (Hz)	Volume (Lv)			
5	3	160~180	7~20	2.6~2.8	2.5~3cc/2,000~3,000Shot	1 week	Mild Pain / Mild Erythema

■ CONDITION BALANCING

Electroporation		Microjet			Dosage / Shots	Interval	End point
EP Tip (mm)	ELPOLA (Lv)	Power (v)	Speed (Hz)	Volume (Lv)			
10	2~3	140~160	7~20	2.2~2.4	2.5~3cc/ 2,000~3,000Shot	1 week	Mild Pain/Erythema
15	1~2	150~170	7~20	2.0			Mild Erythema

- Facilitates absorption of ampoules into the epidermal layer of the scalp (within 0.25 mm) through combined Electroporation and Microjet action.
- Divide the scalp into sections and keep the EP tip fully vertical and firmly in contact, moving in a toning-like motion.
- For low-viscosity ampoules that may run during treatment, reduce Speed (Hz) and Volume (Lv).
- If the patient experiences pain or prickling, pause and lower the Power (V) before continuing.
- After EP application, wipe excess booster from the surface with alcohol.

PS(Plasma) Handpiece Parameters

PS Plasma Handpiece

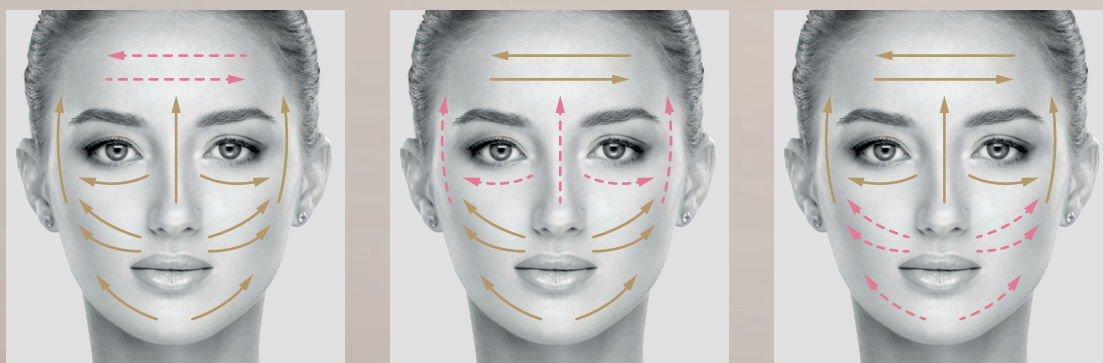


PS Tip	
Square	
Brush	

■ FACE

Skin Type	Power (Lv)	Mode	On Time (s)	Repetition (s)	Passing	End point
Sensitive	1~2	Aggressive	0.5~1.0	0.5 / Off	1	Mild Erthythema
Normal	2~3	Continuous	0.5	0.5 / Off	1~2	

- Begin the procedure on clean, completely dry skin/scalp
(Moisture may cause spark discharge between the skin surface and the tip)
- Adjust parameters according to skin type, then perform the treatment using a stamping motion while keeping the tip fully in contact.
- If the patient experiences heat or discomfort, pause and lower the Power (Lv).
- After the procedure, remove the transparent cap, wipe the PS tip surface with alcohol, dry with gauze, and reattach the cap.



- ※ The sequence of treatment is not essential.
- ※ These illustrations are intended solely to indicate the recommended directions of application.

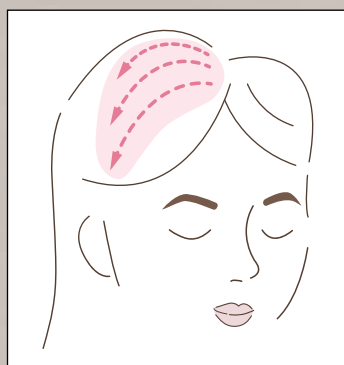
PS(Plasma) Handpiece Parameters



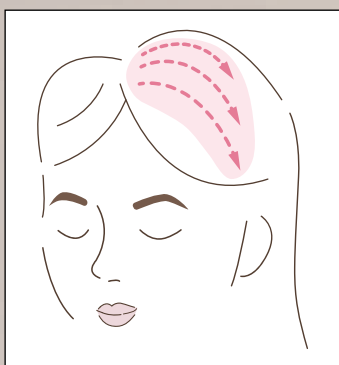
■ SCALP

Skin Type	Power (Lv)	Mode	On Time (s)	Repetition (s)	Passing	End point
Sensitive	2~3	Aggressive	1.0	1.0 / Off	1	Mild Erythema
Normal	3~4	Continuous	1.0~1.5	1.0 / Off	1~2	

- For scalp treatments, adjust parameters according to scalp type, divide the scalp into sections, and perform the procedure using a brushing motion with full contact.
- Press and move the Plasma tip in a circular, massaging motion, as indicated by the arrows.



Right hair part line



Left hair part line



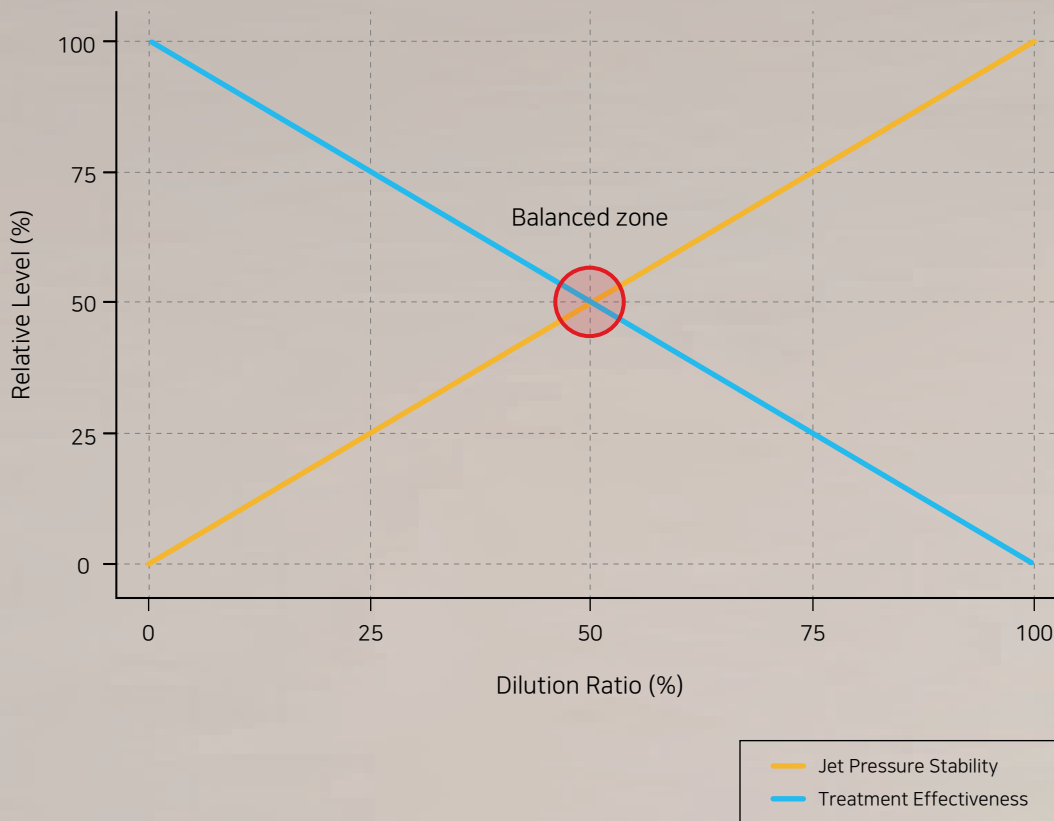
Side hair part line

- ※ For the right and left hair part line, the treatment can be applied directly.
- ※ For the side hair part line, lift the hair with a comb to expose the area before treatment.

Recommended skin booster guide



DILUTION RATIO VS JET PRESSURE & EFFECTIVENESS



※ This illustration was created for explanatory purposes

- ◎ Higher dilution → jet pressure becomes more stable, but treatment effect decreases.
- ◎ Lower dilution → stronger treatment effect, but jet pressure may be unstable.
- ◎ The goal is to find the recommended dilution range where both factors are balanced.
- ◎ Proper dilution ratio helps achieve : consistent output / adequate penetration / optimized clinical results
- ◎ Adjust dilution depending on: skin area / product viscosity / desired indication

Recommended skin booster guide









FOR COSMETICS

Product	Main Ingredient	Purpose	Usage Guide
 <p>ASCE+</p>	EXOSOME	<ul style="list-style-type: none"> · Skin elasticity care · Skin soothing care 	Use the original solution directly
 <p>EXO-V Innovation</p>	EXOSOME	<ul style="list-style-type: none"> · Skin radiance care · Skin nourishment · Moisture enhancement 	<ol style="list-style-type: none"> 1) Mix 1 vial of EXO-V Innovation with 9 cc of N/S (normal saline) 2) Transfer 3 cc of the mixed ampoule into a Luer-lock syringe 3) Begin treatment with Jet settings
 <p>EXO-V Scalp</p>	EXOSOME	<ul style="list-style-type: none"> · Hair nourishment · Scalp condition improvement · Hair gloss enhancement 	<ol style="list-style-type: none"> 1) Mix 1 vial of EXO-V Scalp with 9 cc of N/S. 2) Transfer 3 cc of the mixed ampoule into a Luer-lock syringe 3) Begin treatment with Jet settings
 <p>NCTF 135HA</p>	<ul style="list-style-type: none"> · Vitamin A,B,C,E · Hyaluronic Amino acid 	<ul style="list-style-type: none"> · Skin tone improvement · Hydration 	<ol style="list-style-type: none"> 1) Mix 1 cc of NCTF 135HA with 1 cc of N/S. 2) Begin treatment with Jet settings (Use 0.5 cc for Jet setting and 2 cc for treatment.)
 <p>GOURI</p>	PCL (Polycaprolactone)	<ul style="list-style-type: none"> · Skin firming · Moisturizing · Nutrient supply 	<ol style="list-style-type: none"> 1) Mix 1 cc of GOURI with 4 cc of N/S 2) Transfer 2.5 cc of the mixed ampoule into a Luer-lock syringe 3) Begin treatment with Jet settings (Use 0.5 cc for Jet setting and 2 cc for treatment)
 <p>QT CELL</p>	CEC-FECE-DF 50% Adenosine	<ul style="list-style-type: none"> · Skin elasticity care · Skin nutrition · Pore care 	Use the original solution directly

Recommended skin booster guide



FOR MEDICAL DEVICES

Product	Main Ingredient	Indications	Dilution Ratio (Product : N/S)	Usage Guide
 JUVELOOK SKIN	PDLLA + HA (Poly-D,L-Lactic Acid)	<ul style="list-style-type: none"> · Fine wrinkles · Pigmentation · Pores 	1 : 2	1) Mix 1 vial of JUVELOOK SKIN with 10 cc of N/S (normal saline) 2) Allow it to hydrate for 1-2 days, then mix thoroughly using a vortex 3) Add 2 cc of N/S to 1 cc of the hydrated JUVELOOK SKIN, set the Jet device, and begin treatment
 JUVELOOK VOLUME	PDLLA + HA (Poly-D,L-Lactic Acid)	<ul style="list-style-type: none"> · Sunken volume · Deep wrinkles · Neck wrinkles · Deep scars 	1 : 2	1) Mix 1 vial of JUVELOOK VOLUME with 10 cc of N/S (normal saline) 2) Allow it to hydrate for 1-2 days, then mix thoroughly using a vortex 3) Add 2 cc of N/S to 1 cc of the hydrated JUVELOOK SKIN, set the Jet device, and begin treatment
 OLIDIA 120	PLLA (Poly-L-Lactic Acid + CMC + Mannitol	<ul style="list-style-type: none"> · Fine wrinkles · Acne · Scars · Pores 	1 : 2 or 2 : 1 Select dilution ratio according to indication	1) Mix 1 vial of OLIDIA 120 with 8 cc of N/S (normal saline) 2) Gently swirl for 2-3 minutes to hydrate, then let stand for 10 minutes. Use an ampoule station or shake gently by hand 3) Add 1-2 cc of N/S to 1-2 cc of hydrated OLIDIA 120, set the Jet device, and begin treatment
 Liled M	Sodium Hyaluronate	<ul style="list-style-type: none"> · Fine wrinkles · Dry skin 	-	Use the original solution directly
 HP CELL VITARAN Inj.	PDRN (Polydeoxyribo nucleotide Sodium)	<ul style="list-style-type: none"> · Pores · Wrinkles · Scars 	-	Use the original solution directly
 HP VITARAN	PDRN (Polydeoxyribo nucleotide Sodium)	<ul style="list-style-type: none"> · Pores · Wrinkles · Scars 	-	Use the original solution directly