For Export

Three Energies.
Powerful Delivery

SYNER JET PRO™

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THREE ENERGIES. POWERFUL DELIVERY

MICRO-JETTING

ELECTRO-PORATION

COLD PLASMA

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ULTRA-FAST

microjetting
at up to 500 m/s

ULTRA-POWERFUL

jet pressure up to 100 bar
creating micro-openings

A bullet-speed micro-jet applies a momentum jet pressure on the skin surface strong enough to create a micro-opening and deliver therapeutic agent directly into dermis without a needle.

MICROJETTING

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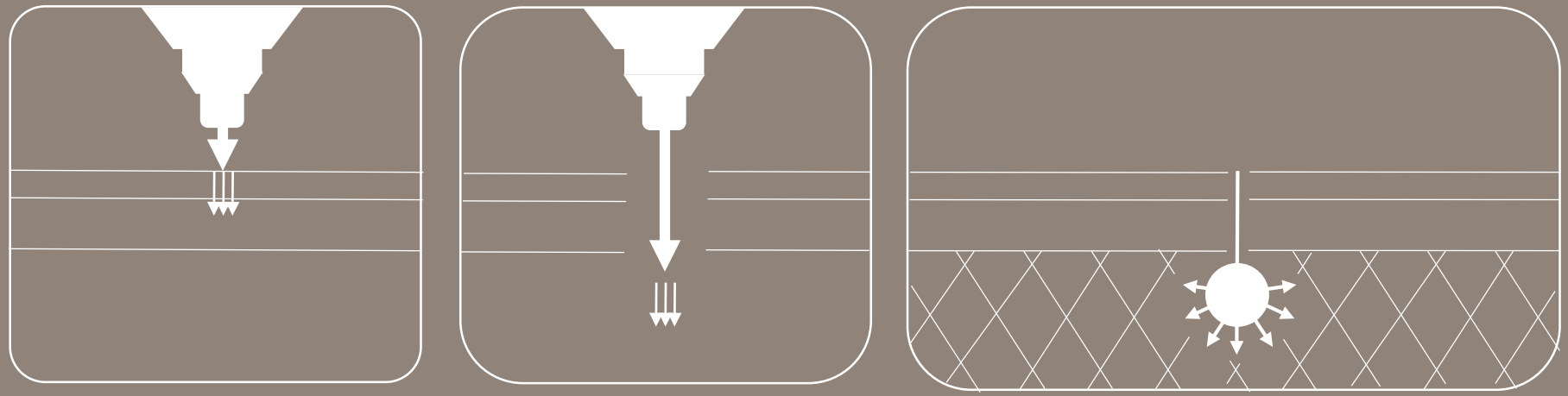
HOW IT WORKS



1. JET GENERATED
2. JET PRESSURE

3. MICRO-OPENING
4. PENETRATION

5. JET "EXPLOSION"
6. JET MICRO-SUBCISION EFFECT

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MICROJET INJECTION

Fast, precise, and uniform transdermal delivery of therapeutic agents into upper and mid dermis

- Fast
- Precise
- Uniform

MICROJET SUBCISION

Safe, fast, and efficient fibrous bands subcision with simultaneous delivery of therapeutic agents

- Simple
- Safe
- Fast

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SKIN REJUVENATION

Comprehensive skin rejuvenation, especially pores, and skin texture improvement

- Less Pain
- Enhanced Delivery
- Better Results

SCAR TREATMENT

Atrophic scars of different genesis, fine lines and wrinkles, stretch marks (Striae Atrophicae), cellulite dimples

- Less Trauma
- Less Risks
- Faster Recovery


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• Simple
• Safe
• Fast
SCAR SUBCISION

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SCARS

Atrophic scars of different genesis, stretch marks (Striae Atrophicae).

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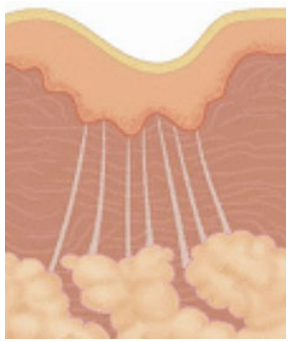
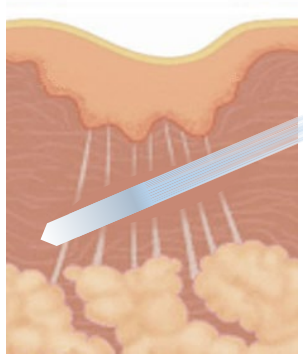
MICROJET SUBCISION

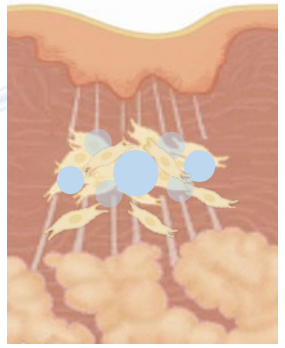
Microjet, directed at angle to fibrous bands generates pressure strong enough to air cut the fibrous bands



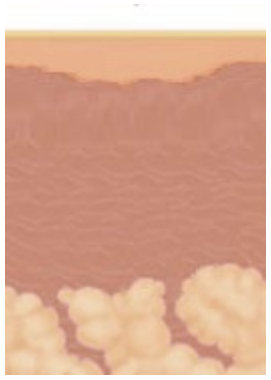
Fibrotic acne scarring, fibrous scar tissue bands



Fibrotic Band Release and Therapeutic Agent Delivery



Wound Healing Response, Fibroblast Activation, Drug Therapeutic Effect



Collagen Deposition. Scar Depression Lifted

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Point 1.

LESS PAIN

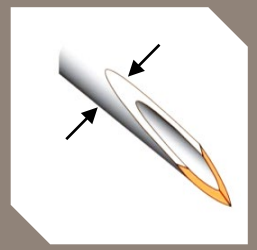
Very shallow, ultra-thin and ultra-fast jetting allows to reduce pressure on nerve ends and associated pain

NEEDLE SUBCISION

Needle back and forth movements release tethered skin

Ø 310 µm

Finest Subcision Needle Outer Diameter



Tribeleved Hypodermic Needle for Subcision

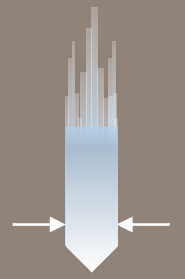
VS.

SYNERJET SUBCISION

Microjet, directed generates pressure strong enough to air cut the fibrous bands

Ø 180 µm

SYNERJET Nozzle Inner Diameter



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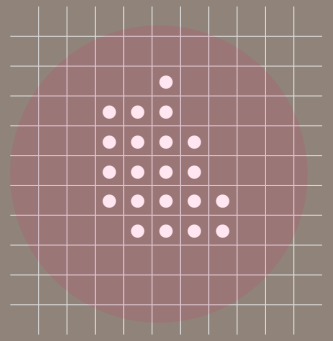
Point 2.

LESS TRAUMA

Precise targeting
and micro-spot
treatment allows
to eliminate unintended
damage to skin tissues

NEEDLE SUBCISION

Needle back and forth
movements release tethered skin

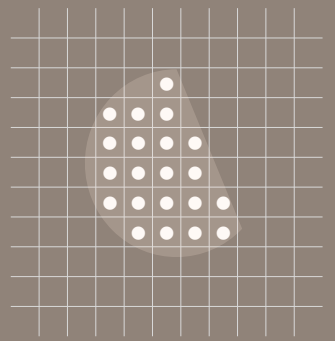


TRAUMATIZING FOR
SURROUNDING
HEALTHY TISSUES

VS.

SYNERJET SUBCISION

Microjet, directed generates pressure
strong enough to air cut the fibrous bands



SPOT TARGETING.
NO DAMAGE TO
SURROUNDING
TISSUES. LESS
TRAUMA,
FASTER RECOVERY

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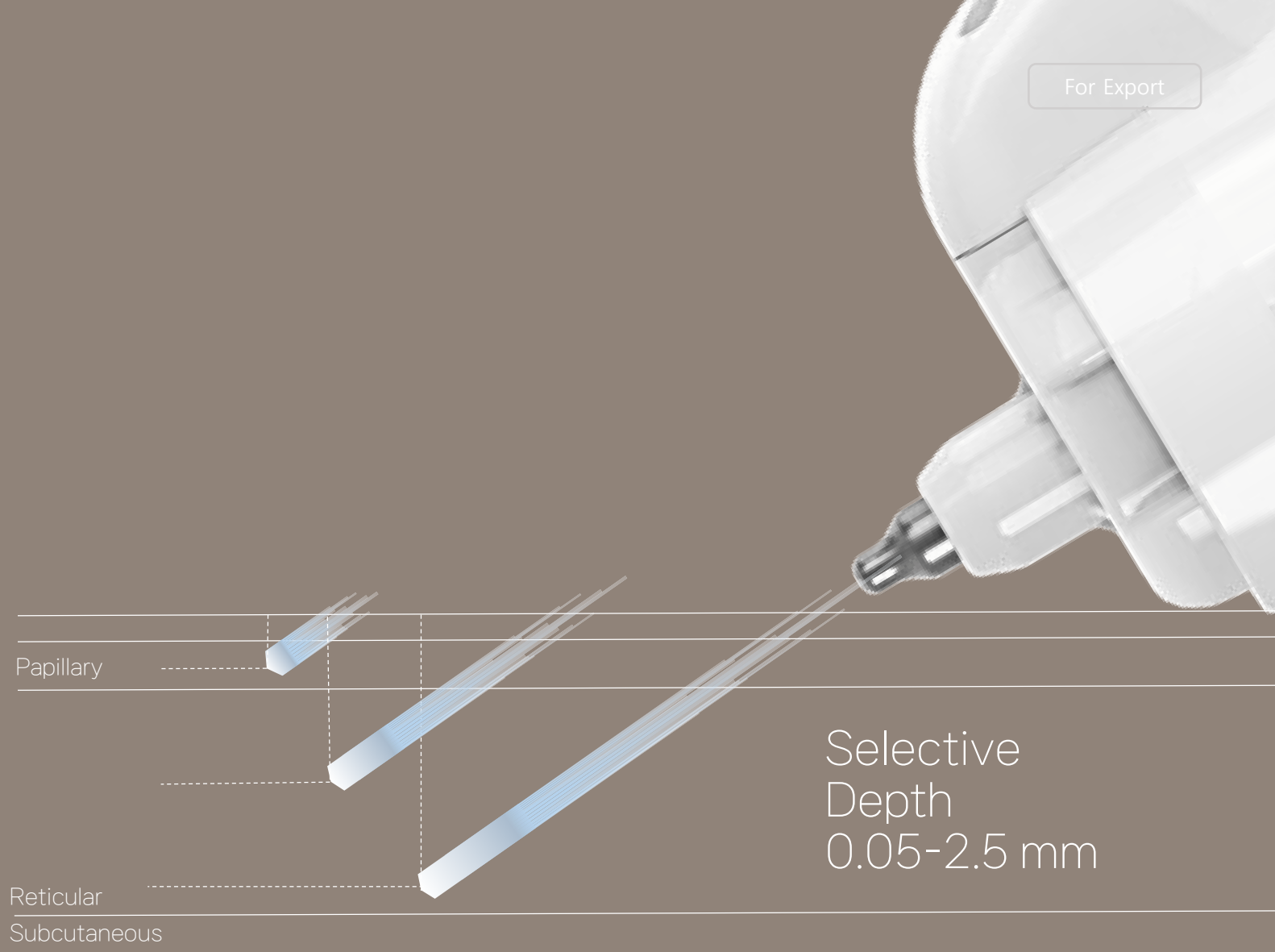
Point 3.

DEPTH CONTROL

99,8% depth stability,
very fine targeting,
which is not possible
to achieve with needle
subcision



Selective
Depth
0.05-2.5 mm

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Point 4.

MORE SIMPLE AND SAFE

- Non-invasive treatment
- Simultaneous delivery of therapeutic agent
- No risk of accidental puncture like during needle subcision
- Simple technique, no advanced training needed
- Less risk of adverse side effects
- Simple post-care treatment

NO ADVANCED TRAINING NEEDED

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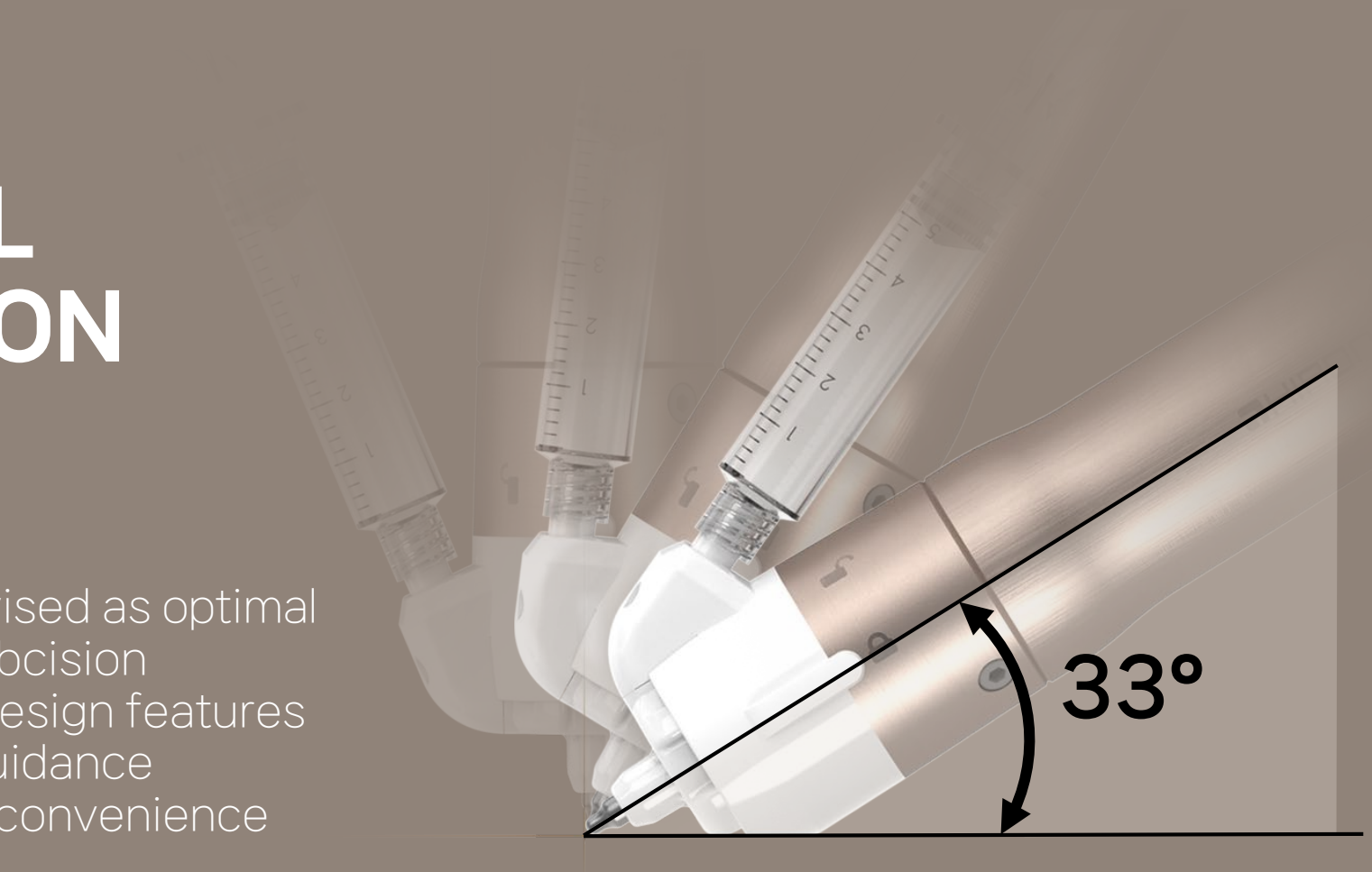
Point 5.

OPTIMAL SUBCISION ANGLE

- 33° angle is advised as optimal for micro-jet subcision
- special nozzle design features optimal angle guidance for practitioner convenience



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SCAR SUBCISION

WITH SYNERJET PRO™

Point 1.

LESS PAIN

Ultra-Thin Injection
Ø 150 µm

Point 2.

DEPTH CONTROL

Selective Depth
0.05-2.5 mm

Point 3.

LESS TRAUMA

Micro-spot treatment, no unneeded trauma

Point 4.

MORE SIMPLE AND SAFE

Simple treatment, no advanced training needed

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- Less Pain
- Fast and Precise Delivery
- Better Results

REJUVENATION. INJECTABLES

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COMPATIBILITY

Hyaluronic Acid Fillers (HA)
Polynucleotides (PN)
Poly-L-lactic acid (PLLA)
Poly-D,L-lactic acid (PDLLA)

Platelet-Rich Plasma (PRP)
Polydeoxyribonucleotide (PDRN)
Botulinum Toxin (Skin Botox)

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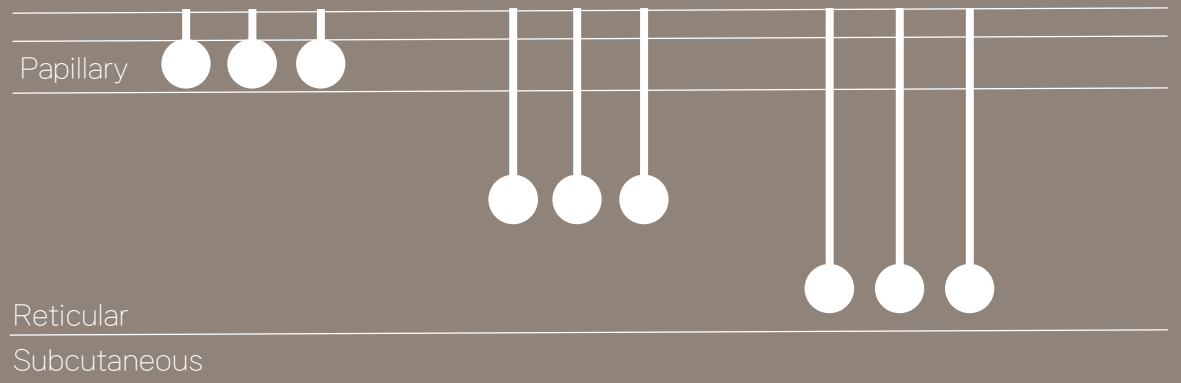
Point 1.

PRECISE UNIFORM DELIVERY



- Depth control
- Volume control
- Uniform delivery

- No risk of too deep or too shallow injection and related side effects

- No risk of overinjection or underinjection and related side effects

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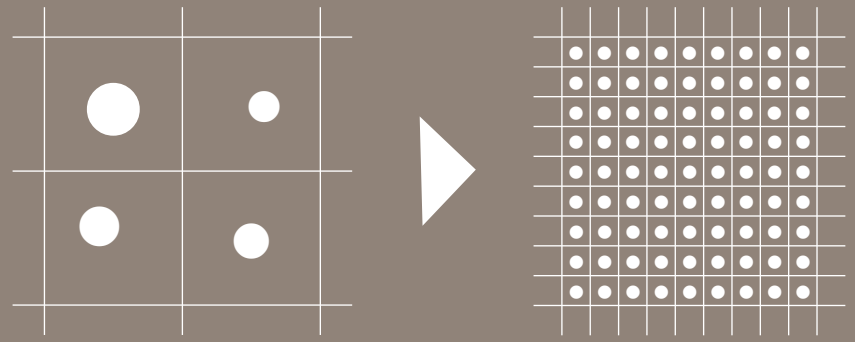
Point 2.

FASTER, MORE ACCURATE

- faster treatment
- efficient coverage of narrow areas, tiny irregular shapes
- faster absorption and diffusion

25 SHOTS PER SECOND

3 min = 3 cc
(full face rejuvenation, 4,500 shots, 25Hz, volume 3)



MICRO-DROPLET TECHNIQUE

NANO-DROPLET DELIVERY WITH SYNERJET

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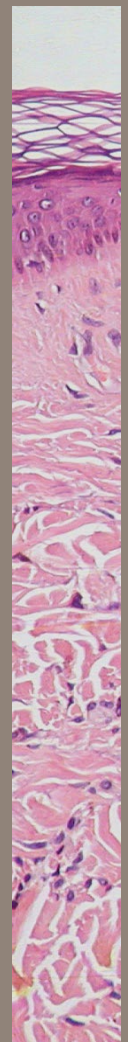
Point 3.

BETTER EFFECT

Efficient targeting the very thin papillary layer, the MVP of skin regenerative effects



Typical Face Skin Layers Depth Guide
(*Excluding eye lids and lips)

Epidermis ~0.2 mm

BEST

Papillary Dermis
0.2–0.6 mm

- Faster diffusion
- Minimal loss to systemic circulation
- Less risk
- Better effect
- Difficult to target injecting manually

Reticular Dermis
0.6-2.0 mm

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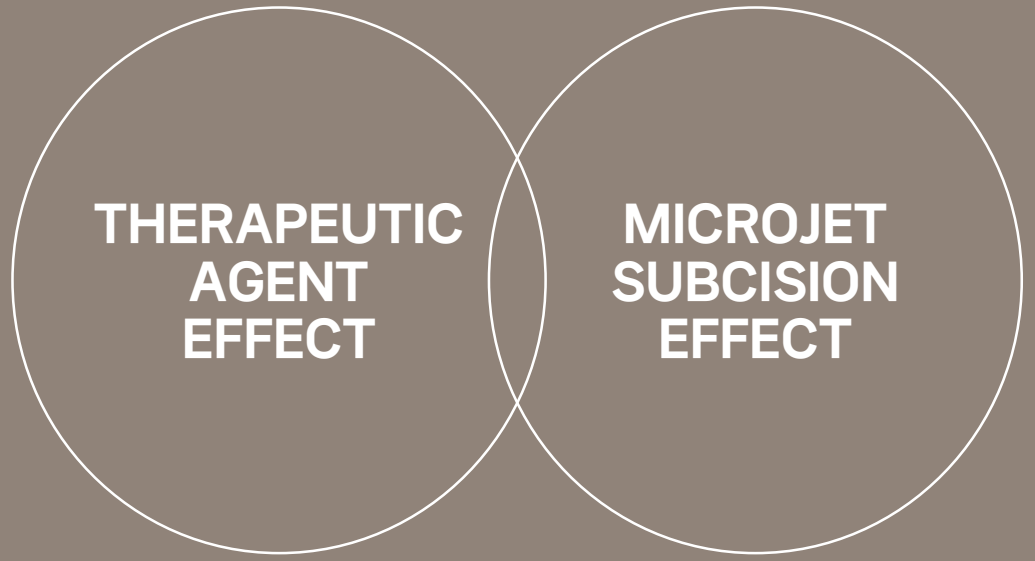
Point 4.

DUAL STIMULATION

Regenerative effect of the therapeutic agent enhanced by the wound healing response triggered by microjet subcision.



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REJUVENATION
WITH SYNERJET PRO™

LESS PAIN

Ultra-Thin
Injection
Ø 180 µm

UNIFORM DELIVERY

Selective
Depth
0.05-2.5 mm

FASTER TREATMENT

Up to 25 shots per
second allow to perform
fast streamlined treatments

BETTER EFFECT

Dual stimulation of
regenerative effect
with micro-subcision

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- Enhanced delivery
- Less product loss
- Better effect

REJUVENATION.
NON-INJECTABLES

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SYNERJETTING™

MICRO-JETTING

ELECTRO-PORATION

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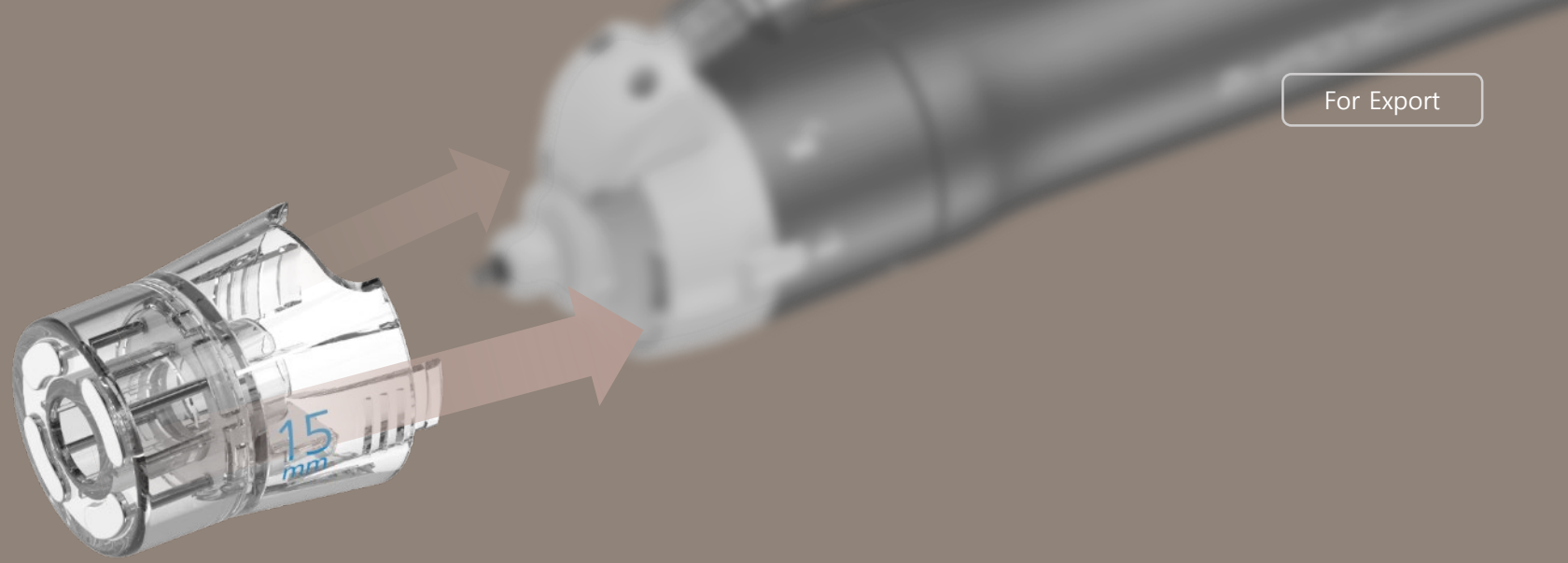
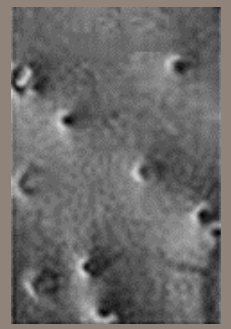


ELECTROPORATION

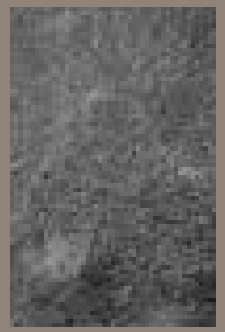
01
OPENING SKIN BARRIER

Microchannel formation when EL-PORA contacted



02
IMMEDIATE RESTORATION

Restores to its original state as soon as being removed from the skin



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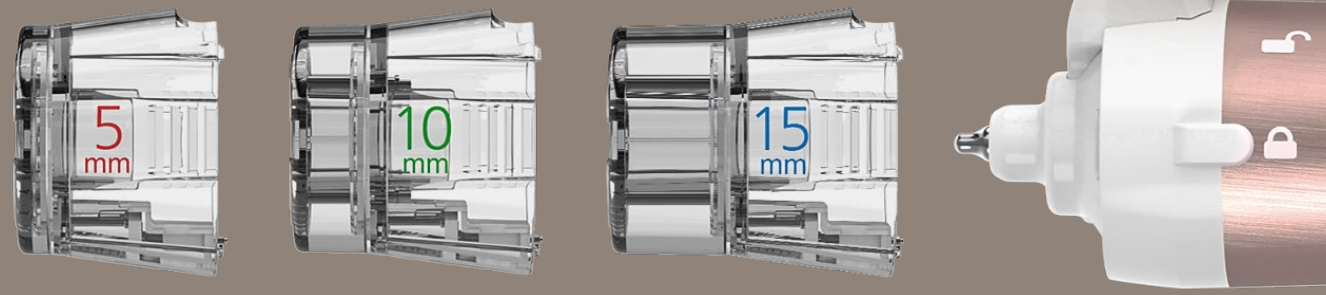
DISTANCE GUIDANCE

- Guided distance control with electroporation tip
- More comfortable operation
- Customizable treatment



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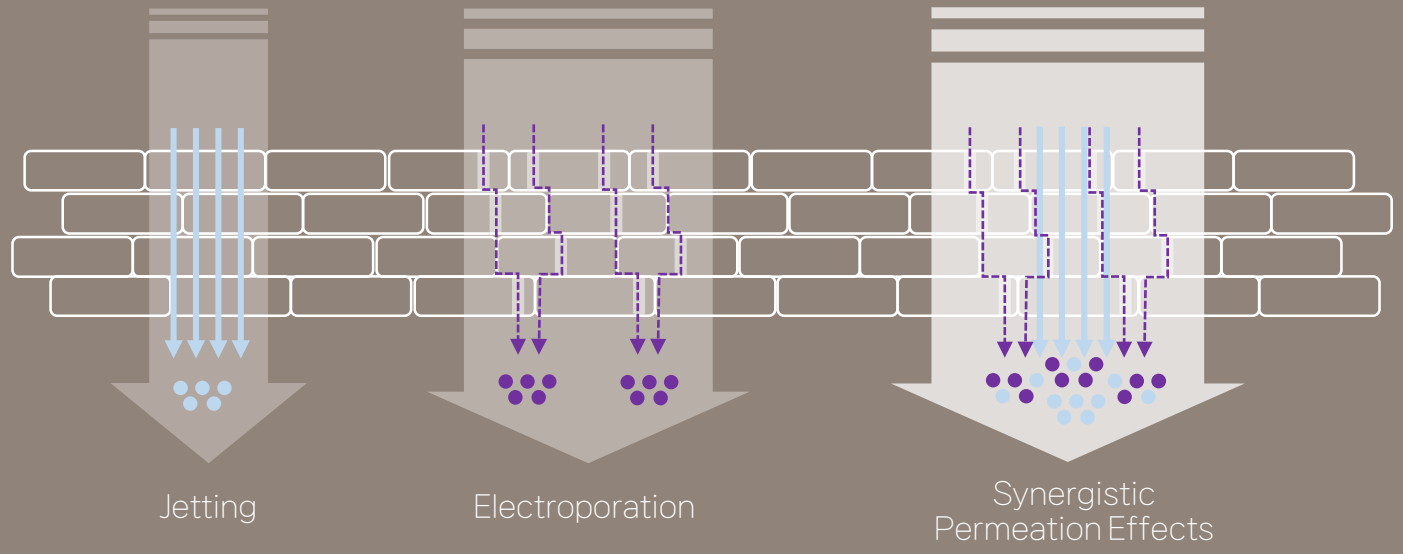
POINT 1.

ENHANCED PENETRATION



SYNERGISTIC PENETRATION EFFECT

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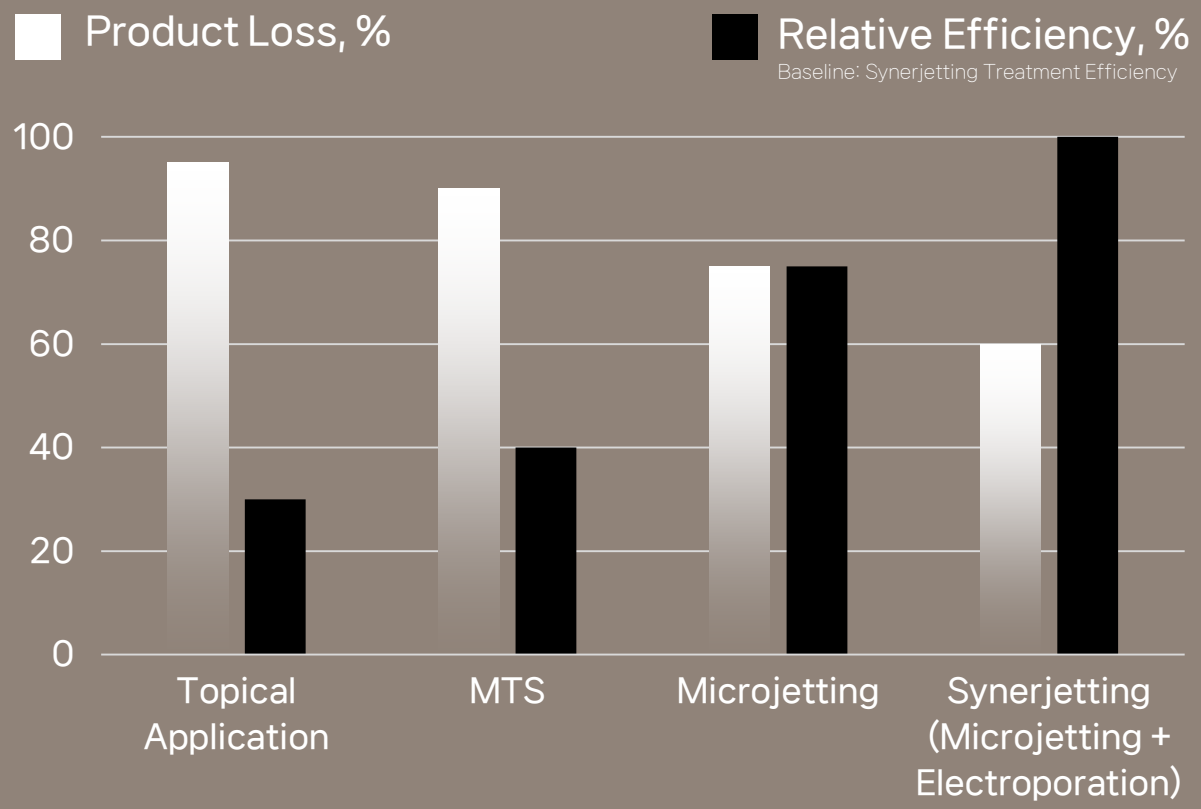
POINT 2.
LESS LOSS

POINT 3.
BETTER EFFECT



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NON-INJECTABLES

WITH SYNERJET PRO™

BETTER PENETRATION

Jetting and electroporation enhanced skin permeability allows for faster, deeper and more efficient penetration

LESS LOSS

Faster and more efficient penetration allows for better absorption and results in less product loss

BETTER EFFECT

Better active ingredient penetration and absorption ensures better therapeutic effect

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- Enhanced absorption
- Enhanced therapeutic effects
- Sterilization

COLD PLASMA

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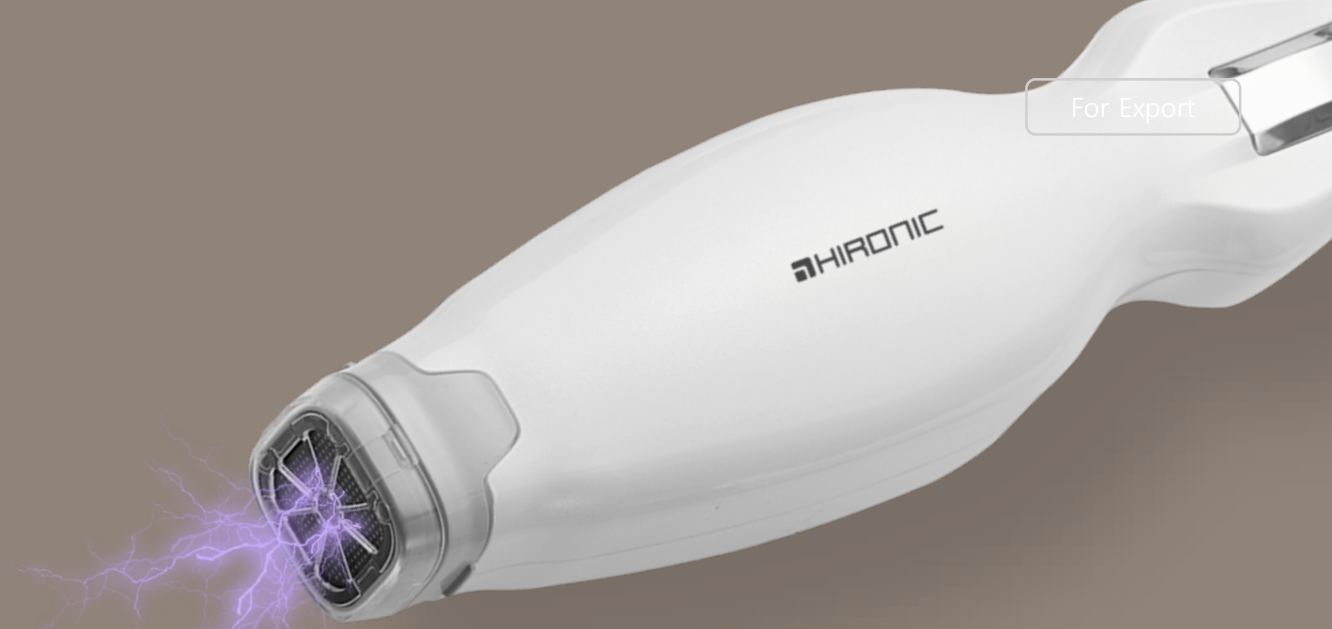

COLD PLASMA

Temporary increases the permeability of the skin barrier, allowing for better absorption of topical agents

BETTER ABSORPTION X5.66

*Based on the clinical trial by the OATC Skin Clinical Trial Centre. 24.05.2019. Seoul. South Korea

PROMOTING COLLAGEN SYNTHESIS

Stimulates fibroblasts, the cells responsible for collagen and extracellular matrix production

STERILIZATION AND ANTI-BACTERIAL EFFECT

Plasma treatment have sterilization effects, with reactive species of antimicrobial properties.

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- Enhanced delivery
- Enhanced effects

SYNERGY POWER

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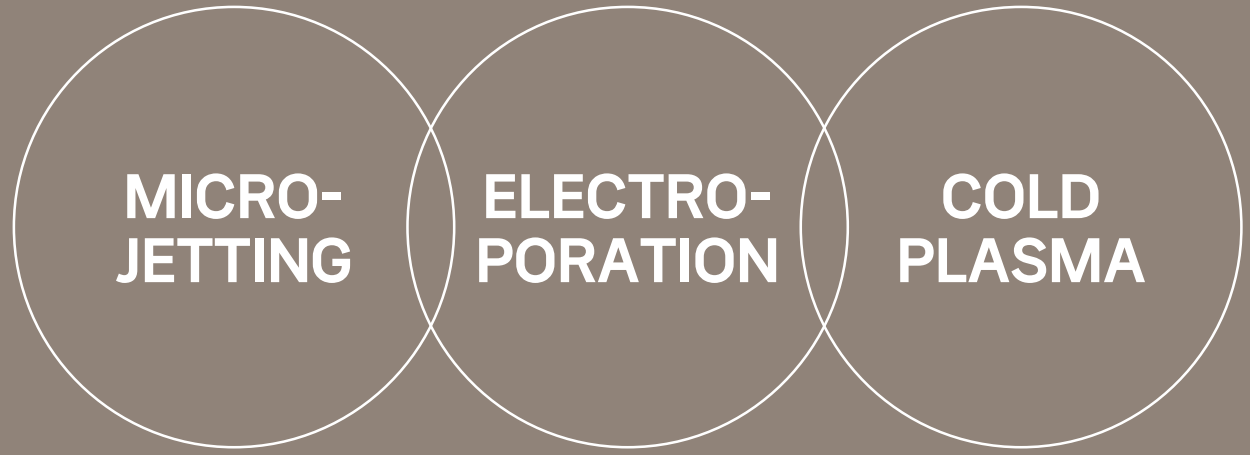
Key Point 1.

TRIPLE ENERGY DELIVERY

- Faster
- Deeper
- Better



Allows penetration by propulsion of the treatment product with jet power

Opens temporary micro-pores to enhance penetration effect of jetting

Temporary increases skin permeability (pre-treatment) to enhance absorption

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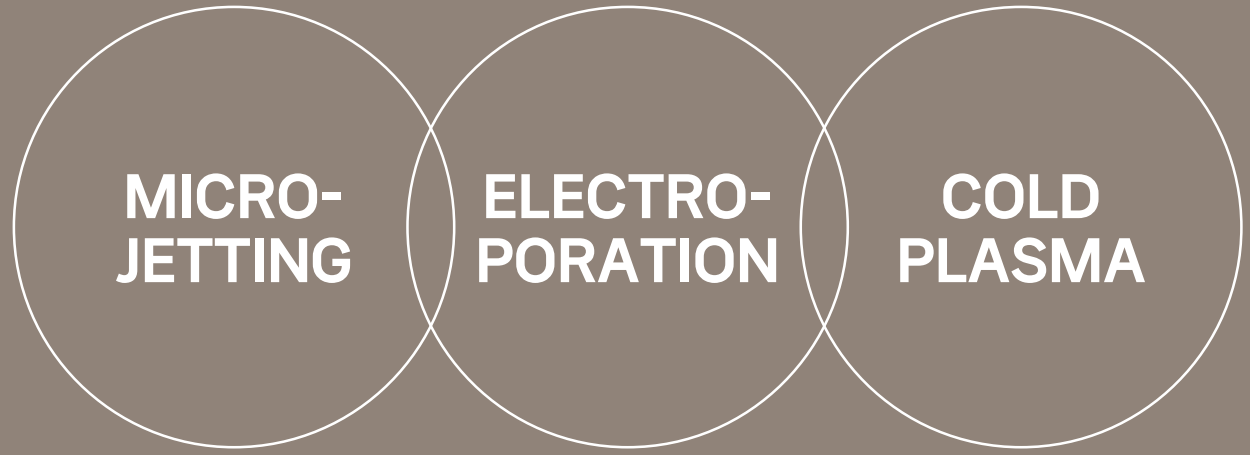
Key Point 2.

TRIPLE ENERGY EFFECT

- Product effect
- Subcision effect
- Plasma effect



Microjet subcision effects enhances skin regenerative response to the product

Electroporation enhances effects by enhancing product penetration and absorption

Cold plasma stimulates skin regenerative response by creating reactive species, that interact with skin cells

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SPECIFICATIONS

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For Export

SJ Synerjetting Handpiece

- Ultra-fast Microjetting
- Microjet Subcision

EP Electroporation Tip

- Gentle Micro-Channeling
- Enhanced Penetration

PS Plasma Handpiece

- Enhanced Absorption
- Accelerating Collagen Synthesis

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IMPROVED SPEED

- Easy Setting
- Fluent Treatment

25
shots per second

27
slots for preset modes

Special Handpiece Cooling System

Operation at maximum speed without risk of overheating

Jet Setting Mode

One-button adjustment to best for jet setting parameters

Nozzle Cleaning Mode:

one-button fast nozzle blockage solution

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CONVENIENCE SYSTEM

12.1" Wide LCD Display

Max 75° Angle

Two Handpieces

· SJ handpiece
· PS handpiece

RFID Sensor Technology

· Consumable authenticity verification
· Security enhancement
· Contact-based tag activation: automatic consumable recognition

Back Handle

Convenient mobility with advanced design

Nozzle Management

Clean-up mode for convenient management

Consumable Nozzles & Tips

9,000 shots with enhanced nozzle durability

9,000

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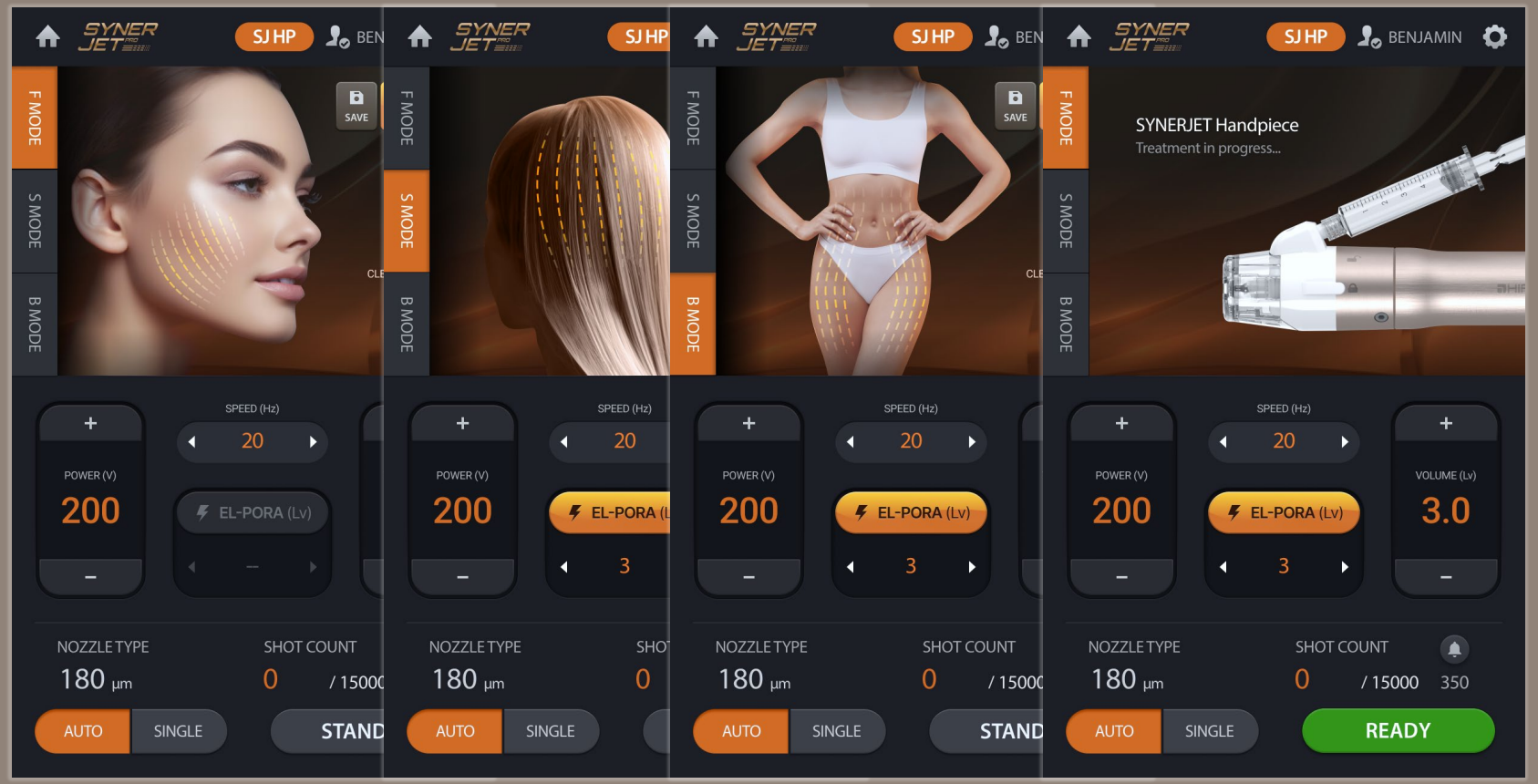
SMART INTUITIVE GUI



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CONVENIENCE SYSTEM

Treatment Information System (TIS)

Providing the best protocol for each lesion to users. The saved parameters can be managed through the history section for future treatment.

Remote Maintenance System (RMS)

- Reminder to replace the consumable parts
- Storage of protocols
- Self-device diagnosis and inspection
- Malfunction prevention and maintenance assistance

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SPECIFICATIONS

Energy Generation	Solenoid	
Energy Source	Microjet, Electroporation, Plasma	
Convenience System	RFID, TIS, RMS, Cleaning Mode	
LCD Screen	12.1″	
Power Consumption	700VA	
Dimensions	510(W) x 530(L) x 1,200(H) mm	
Weight	43kg	
Microjet (MJ) Handpiece	Jet Speed	150-500m/s
	Injection Pressure	100 bar (101.971621kgf/㎠)
	Injection Speed	1 – 25 Hz
	EP Intensity	Lv 1-4
Plasma (PS) Handpiece	Power Level	Lv 1~5
Consumables	Nozzle Tip, ELPORA Tip, PS Tip, BrushTip	
Nozzle	Diameter	180 ㎛, 230 ㎛
	Shots	9,000
ELPORA Tip	Distance Control	5mm, 10mm, 15mm

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HIRONIC

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