

dōublo™  
new 2.0

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\*This brochure is exclusively crafted for export purposes. For information pertaining to the South Korean market, please consult the localized version of our official website.  
\*This brochure is intended solely for international application. The device specifications and indications for the usage of the present device may vary based on regional certifications. To procure information pertinent to your market, please consult with our regional managers or authorized distributor representatives in your jurisdiction.  
\*The availability of the RF Microneedling handpiece is subject to variation upon territorial considerations and exclusive agreements with local market distributors. For details, please consult with our regional managers or authorized distributor representatives in your respective country.



**All products are covered by  
a 2-year warranty**

Implementation of a Long-Term Warranty Policy

■ In accordance with the executed contract  
■ Consumable items, including cartridges and tips, are covered  
by a 1-year warranty

#### Emergency Support

Quick response to urgent repair cases through conference calls when dealers need additional support.

**Emergency Conference Call Center** [WhatsApp] 010-5013-5343

**Emergency Conference Call Schedule** [KST] 07:30AM ~ 19:30PM

  
HIRONIC Ambassador  
YANO SHIHO





# MEET THE WORLD'S 1ST MFU & RF SYNERGY TECHNOLOGY

## MFU

**Microfocused Ultrasound (MFU)** generates controlled heat and **microthermal coagulation** at precise depths, prompting the body's natural healing response and leading to deeper-level neocollagenesis.

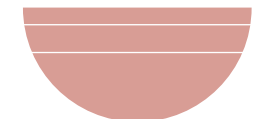
Waves focused onto specific depths



## RF

**Radiofrequency (RF)** induces neocollagenesis by delivering **controlled thermal energy**, encouraging collagen remodeling and synthesis in targeted tissues across a broader and shallower area.

Controlled heating of deep skin layers

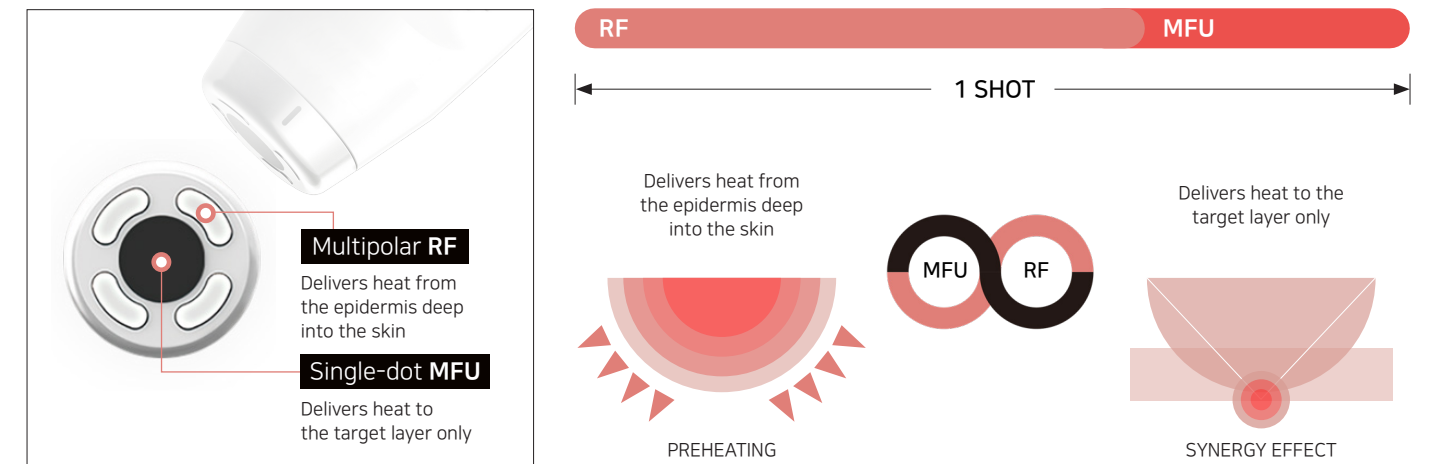


Controlled heating



## Synergy Dotting (SD)

SD Technology represents an innovative approach that synergizes the primary effects of **Microthermal Coagulation** from MFU with the **Controlled Bulk Heating** of RF. This layered treatment method optimizes neocollagenesis induced by MFU by strategically pre-heating the skin up to the papillary dermis using RF. Occurring synergistic process promotes enhanced skin rejuvenation, fostering improved skin texture through heightened blood flow and elevated temperature levels.



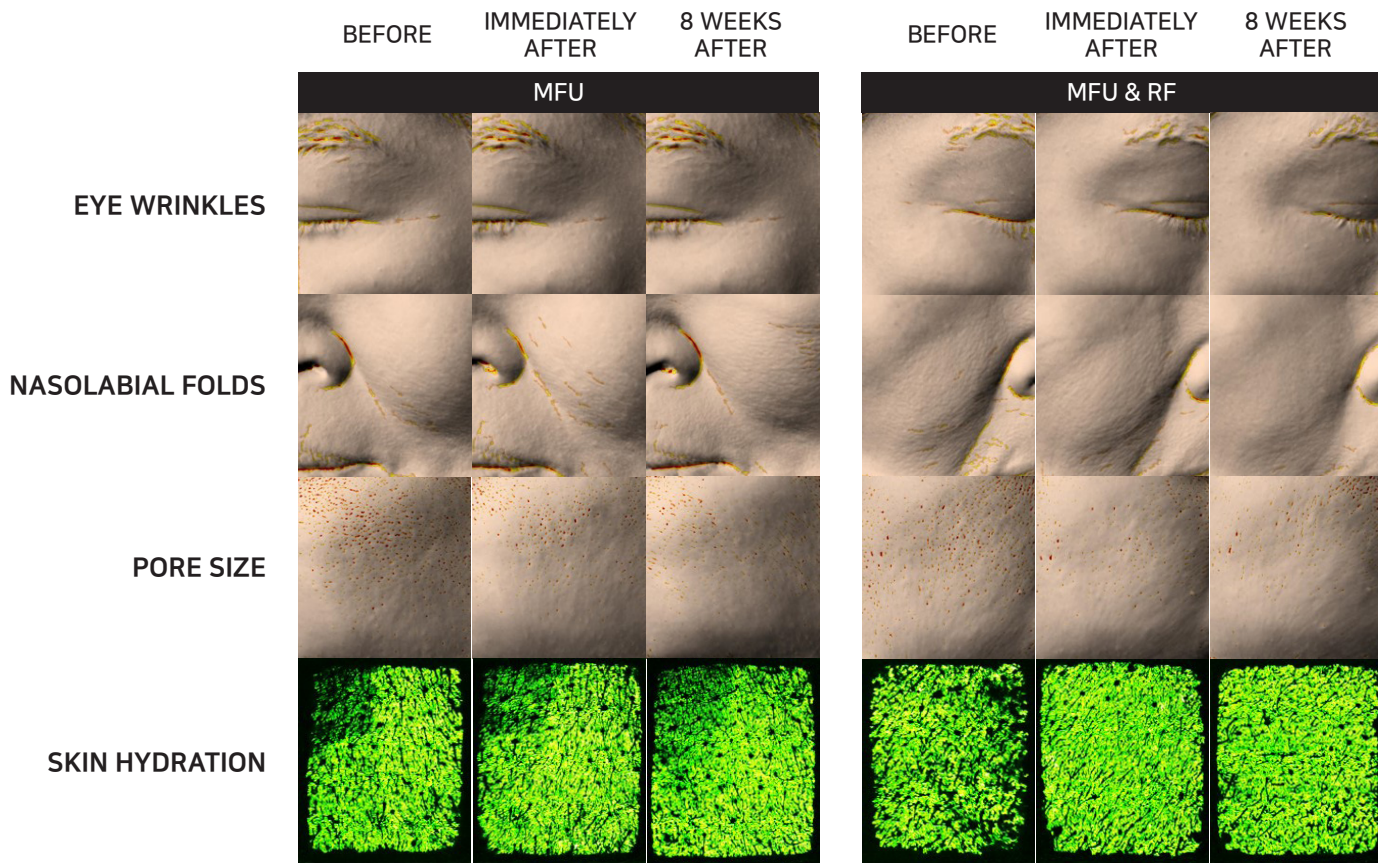


# THE EFFECTS OF MFU & RF SYNERGY COMPARED TO MFU

Results of the clinical studies confirm that **Synergy Dotting** technology produces **greater treatment results** in terms of both skin elasticity and skin texture, as well as hydration level when compared to MFU alone.

| SKIN REJUVENATION                                   |                                                     |                                                  | SKIN TEXTURE AND HYDRATION                          |                                                    |
|-----------------------------------------------------|-----------------------------------------------------|--------------------------------------------------|-----------------------------------------------------|----------------------------------------------------|
| <b>+62%</b><br>TO EYE WRINKLES IMPROVEMENT          | <b>+51%</b><br>TO OUTER SKIN ELASTICITY IMPROVEMENT | <b>+43%</b><br>TO INNER SKIN DENSITY IMPROVEMENT | <b>+380%</b><br>TO INNER SKIN HYDRATION IMPROVEMENT | <b>+81%</b><br>TO OUTER SKIN HYDRATION IMPROVEMENT |
| <b>+43%</b><br>TO INNER SKIN ELASTICITY IMPROVEMENT | <b>+31%</b><br>TO JAWLINE LIFTING EFFECT            | <b>+27%</b><br>TO SMILE LINES REDUCTION EFFECT   | <b>+70%</b><br>TO SKIN TEXTURE IMPROVEMENT          | <b>+65%</b><br>TO PORE REDUCTION EFFECT            |

Superiority of HIFU + RF Synergy compared to HIFU. Human body application test results from Human Skin Clinical Trial Center. October 2022.



# EXPLORE OUR LATEST SCIENTIFIC RESEARCH

Combining **HIFU\*** with bipolar RF **SYNERGISTICALLY IMPROVES SKIN REJUVENATION**, including pore reduction, periorbital wrinkle improvement, skin elasticity, and skin moisturization.



SCAN QR-CODE TO READ FULL ARTICLE



- SKIN RESEARCH AND TECHNOLOGY**  
Efficacy of radiofrequency combined with single-dot ultrasound efficacy for skin rejuvenation: A non-randomized split-face trial with blinded response evaluation. Wonbyun Ji MD, Yoori Kang MD, Soojung Park MD, Wonkyu Hong MD. 12 September 2023.
- JOURNAL OF COSMETIC DERMATOLOGY**  
Efficacy of single dot ultrasound combined with radiofrequency for low eyelid laxity. Jiehoon Kim MD, Sooeun Jung MD. 8 February 2023.

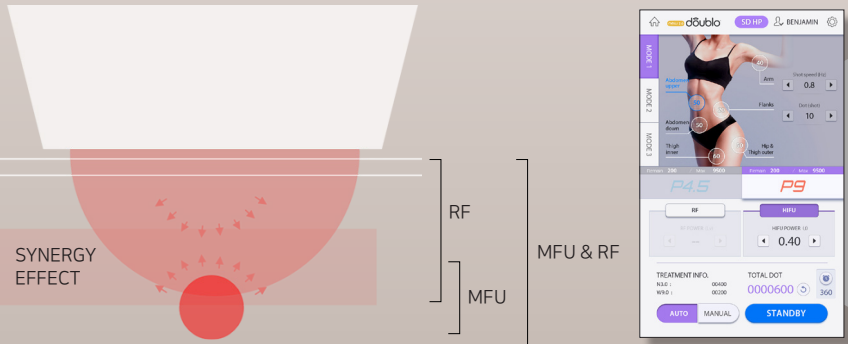
\* In Korean scientific discourse, the terms HIFU and MFU are frequently used interchangeably to highlight the specialized focus on high-frequency ultrasound waves for precise and effective skin rejuvenation. While frequencies exceeding 20 kHz are generally termed 'ultrasound waves,' frequencies of 100 kHz or higher, which are distinctive to skin rejuvenation technologies, are often classified as 'High Frequency Ultrasound.' This distinction ensures a clear delineation between our aesthetic-focused MFU technology and its applications in the broader medical field.

## BASIC DEVICE CONFIGURATION



# SYNERGY DOTTING HANDPIECE (SD)

Achieving amazing treatment results by combining MFU and RF treatments for simultaneous improvement in both skin elasticity and texture



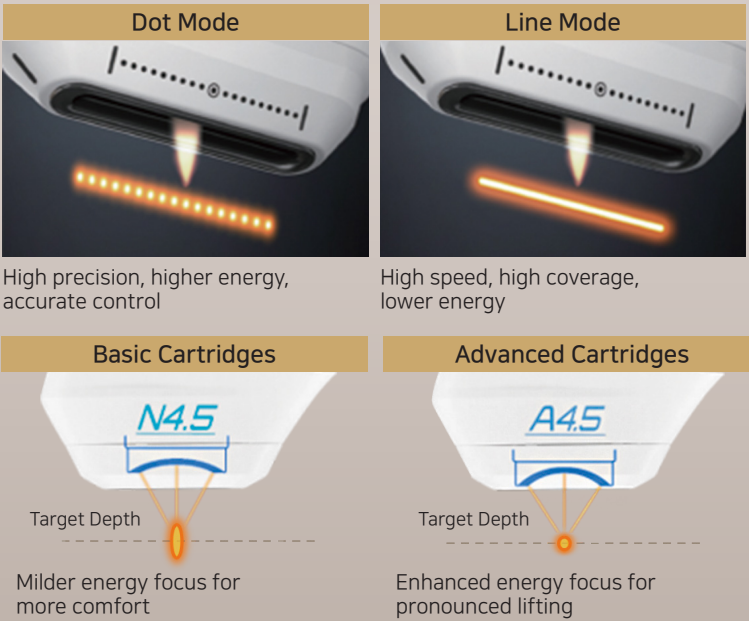
Customizable  
RF frequency  
and MFU  
power level

Cartridges of  
different sizes for  
optimal procedure  
safety and comfort



# FOCUSED LINEAR HANDPIECE (FL)

Personalizing classic MFU lifting by offering different irradiation techniques and transducer types



| FL Cartridges: 12 types |          | 1.5mm | 2.0mm | 3.0mm | 4.5mm |
|-------------------------|----------|-------|-------|-------|-------|
| FACE                    | SLIM     |       |       |       |       |
|                         | NORMAL   |       |       |       |       |
|                         | ADVANCED |       |       |       |       |
| BODY                    | 6.0mm    |       |       |       |       |
|                         | 9.0mm    |       |       |       |       |
|                         | WIDE     |       |       |       |       |
|                         | ADVANCED |       |       |       |       |
|                         |          |       |       |       |       |

• **Slim:** for narrow and delicate areas  
• **Normal:** for targeting deeper tissues  
• **Wide:** for areas with thicker adipose tissue  
• **Advanced:** for enhanced lifting effect

# THE ROLE OF RF PREHEATING

- 1 IMPROVED TISSUE RESPONSE**  
Preheating the skin with RF increases its temperature, making it more receptive to the subsequent MFU treatment
- 2 ENHANCED BLOOD CIRCULATION**  
RF-induced heat can stimulate blood flow and circulation in the skin, which, in turn, promotes oxygen and nutrient delivery to the treated area, aiding in tissue repair and rejuvenation
- 3 INCREASED COLLAGEN ACTIVATION**  
RF triggers a mild thermal injury response, prompting the activation of fibroblasts and collagen production, that serve as primer for the MFU treatment, amplifying the overall collagen-stimulating effects
- 4 POTENTIAL COMFORT IMPROVEMENT**  
The initial warming of the skin can potentially make the skin more accommodating to the focused ultrasound energy, leading to a more comfortable treatment experience

| SD Cartridges: 8 types |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| FACE                   | 1.5mm                                                                                 |                                                                                       | 3.0mm                                                                                 |                                                                                       | 4.5mm                                                                                 |                                                                                       |
|                        | PEN / LONG                                                                            |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|                        |  |  |  |  |  |  |
| BODY                   | 9.0mm                                                                                 |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|                        | PEN / LONG                                                                            |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|                        |  |                                                                                       |                                                                                       |  |                                                                                       |                                                                                       |

- **Long SD Cartridges:** for longer procedures with higher heat build-up
- **Pen SD Cartridges:** for quicker procedures and lightweight experience

## Option

# RF-MICRONEEDLING HANDPIECE (RM)

Using upgraded RF delivery technology for deep skin rejuvenation, resurfacing and pigmentation treatment

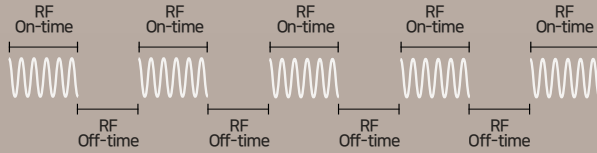


| RM Tips: 4 types             |  | 25pin | 49pin |
|------------------------------|--|-------|-------|
| INSULATED (24K GOLD COATING) |  |       |       |
| NON INSULATED                |  |       |       |

• **Insulated needles:** targeted skin regeneration  
• **Non-insulated needles:** overall skin rejuvenation

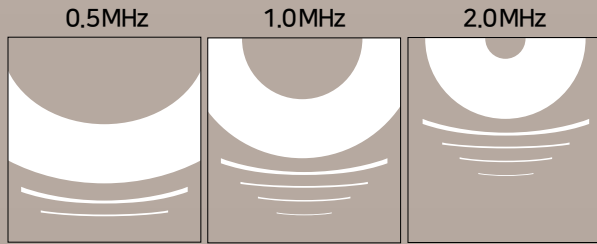
## MULTI-PULSE TECHNOLOGY

Pulse is adjustable from 1 to 5, allowing delivering energy in few shots per one needle incision for more precise customization and targeting various indications



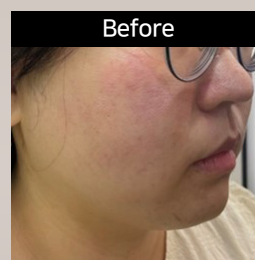
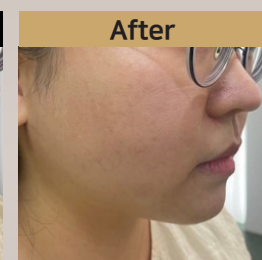
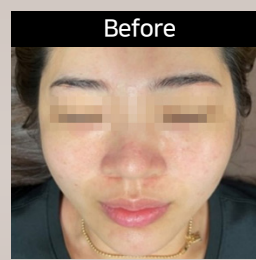
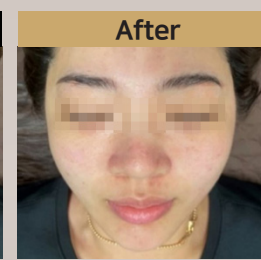
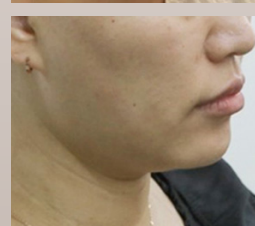
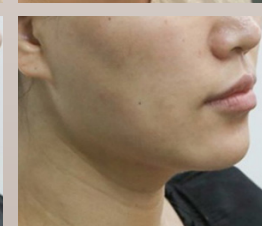
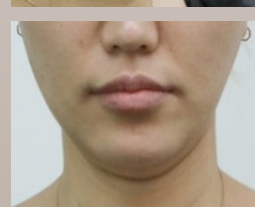
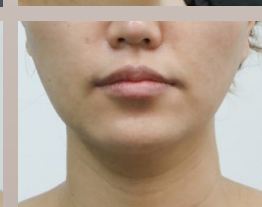
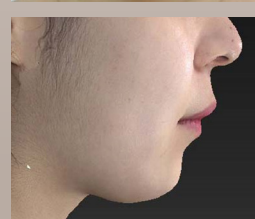
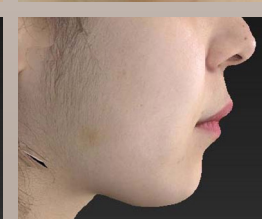
## MULTI-FREQUENCY TECHNOLOGY

Addressing different skin structures to increase both collagen production and treatment safety





# TREATMENT THAT DELIVERS RESULTS

|                                                                                     |                                                                                     |                                                                                              |                                                                                      |                                                                                       |                                                                                          |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
|    |    | <b>Face Lifting</b><br>Focused Linear+ Synergy Dotting. 2 Treatments. 8 weeks later.         |    |    | <b>Facial Contouring</b><br>Focused Linear+ Synergy Dotting. 1 Treatment. 4 weeks later. |
|    |    | <b>Jawline Tightening</b><br>Focused Linear+ Synergy Dotting. 1 Treatment. 4 weeks later.    |    |    | <b>Flush &amp; Acne scars</b><br>RF Microneedling. 1 Treatment. 4 weeks later.           |
|   |   | <b>Double Chin Reduction</b><br>Focused Linear+ Synergy Dotting. 1 Treatment. 4 weeks later. |   |   | <b>Facial Contouring</b><br>Focused Linear+ Synergy Dotting. 1 Treatment. 4 weeks later. |
|  |  | <b>Jawline Tightening</b><br>Focused Linear+ Synergy Dotting. 1 Treatment. 8 weeks later.    |  |  | <b>Acne &amp; Acne scars</b><br>RF Microneedling. 1 Treatment. 4 weeks later.            |

## EXPLORE THE BENEFITS FOR YOUR PATIENTS

- 1

GETTING SKIN TREATMENT ADJUSTED TO INDIVIDUAL NEEDS

Customizing every aspect of the treatment, including desired effects, areas, depth, intensity, time, and comfort during the procedure
- 2

ACHIEVING MULTIPLE SKIN GOALS WITH ONE TREATMENT

Getting lifted and tightened skin with significantly reduced wrinkles, as well as shrunken pores, more hydrated, dense skin, and improved skin tone
- 3

ENJOYING MORE PRONOUNCED AND LONGER-LASTING RESULTS

Achieving longer-lasting facelifting, body contouring, or both results compared to MFU-only procedures, with low or no downtime

# SLIMMER AND LIGHTER CARTRIDGES

Greater maneuverability, precision, and observation angle make it easier to target specific areas accurately, reducing the risk of unintended treatment in surrounding regions and minimize the potential for injury or discomfort to the patient



## UNIQUE PATENTED SAFETY SENSORS

### CONTACT SENSOR

Patented **contact sensor** for preventing burns and scarring. The cartridge will stop operating if it is not in contact with the skin



### MOVEMENT SENSOR

Patented **gyro sensor** for preventing overlapping and burns. The cartridge will stop operating if not in motion



## EXPLORE THE BENEFITS FOR YOUR PRACTICE

- 1

CHOOSING PROVEN QUALITY AND SAFETY

Working with equipment proven effective in clinical studies, acknowledged by authorities, and enhanced with patented safety sensors
- 2

ENHANCING PORTFOLIO AND VALUE FOR PATIENTS

Elevating your practice by offering your patients a combination of skin lifting and skin texture improvement
- 3

IMPROVING WORK EFFICIENCY AND SPEED

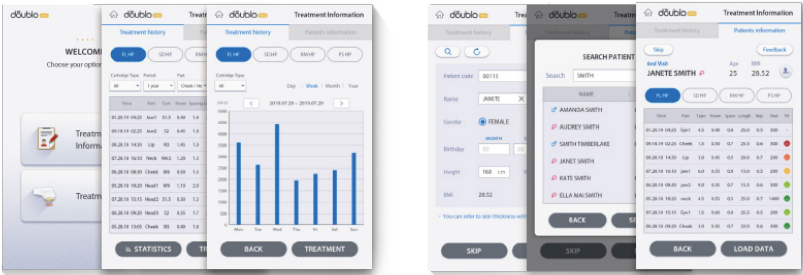
Streamlining workflows with 5 handpieces and a smart interface to treat more patients

TREATMENT INFORMATION SYSTEM (TIS)



**Treatment History**  
Check the automatically recorded device usage data

**Patients Information**  
Work with individual patient treatment records for a personalized experience



CONVENIENCE SYSTEM



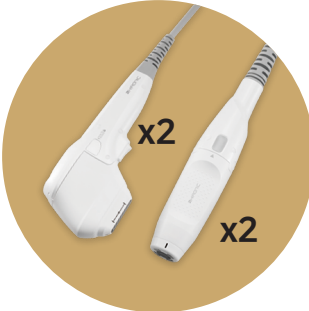
**12.1" WIDE DISPLAY**  
1. Easy and intuitive GUI  
2. Easy parameter setting



**HANDPIECE SUB LCD DISPLAY**  
1. Check parameters  
2. Check shot count  
3. Regulate power  
4. Intuitive GUI



**AUTOMATIC RECOGNITION**  
1. Pick up a handpiece  
2. The system will recognise it automatically and open the treatment screen



**QUATTRO HANDPIECES**  
1. Connect all 4 handpieces to the device at the same time  
2. No need to change cartridges during treatment, just switch to the other handpiece

SPECIFICATIONS

| Type     | Depth, Frequency | Model Name |  |      |  | Dot Mode    | LINE Mode   | Spacing   | Length   |
|----------|------------------|------------|--|------|--|-------------|-------------|-----------|----------|
| FL (MFU) | 1.5mm, 7MHz      | S1.5       |  | A1.5 |  | 0.1J - 0.5J | 0.1 - 0.5J  | 1.0~5.0mm | 5.0~25mm |
|          | 2.0mm, 7MHz      | S2.0       |  | A2.0 |  | 0.1J - 1.0J | 0.1J - 0.8J |           |          |
|          | 3.0mm, 7MHz      | N3.0       |  | A3.0 |  | 0.1J - 1.0J | 0.1 - 1.0J  |           |          |
|          | 4.5mm, 4MHz      | N4.5       |  | A4.5 |  | 0.1J - 1.5J | 0.1J - 1.0J |           |          |
|          | 6.0mm, 2MHz      | W6.0       |  | A6.0 |  | 0.1J - 3.0J | 0.1J - 2.0J |           |          |
|          | 9.0mm, 2MHz      | W9.0       |  | A9.0 |  | 0.1J - 3.0J | 0.1J - 2.0J |           |          |

| Type        | Depth, Frequency | RF Frequency    | Model Name |  |      | Power     | Hz         |
|-------------|------------------|-----------------|------------|--|------|-----------|------------|
| SD (MFU+RF) | 1.5mm, 7MHz      | 2MHz Bipolar RF | P1.5       |  | L1.5 | Lv 1 - 10 | Max. 10Hz* |
|             | 3.0mm, 7MHz      | 2MHz Bipolar RF | P3.0       |  | L3.0 |           |            |
|             | 4.5mm, 4MHz      | 2MHz Bipolar RF | P4.5       |  | L4.5 |           |            |
|             | 9.0mm, 2MHz      | 2MHz Bipolar RF | P9.0       |  | L9.0 |           |            |

\*7-10 Hz depending on power level

|                    |                            |                                    |
|--------------------|----------------------------|------------------------------------|
| Convenience system |                            | Sub LCD applied handpiece          |
|                    |                            | Quattro handpieces                 |
|                    |                            | TIS (Treatment Information System) |
|                    |                            | RMS (Remote Maintenance System)    |
|                    |                            | Auto and Manual modes              |
|                    |                            | Automatic handpiece sensors        |
|                    |                            | Intuitive GUI                      |
|                    |                            | 12.1" Wide LCD                     |
| General            | Power consumption          | AC100-240 V, 50/60 Hz              |
|                    | Dimension (Main body only) | 700[W] x 605[L] x 1315[H] mm       |
|                    | Weight                     | 43.5kg                             |

