

UCOS-HIFU

High Intensity Focused Ultrasound Skin Care Beauty System

- ✓ Facial lifting
- ✓ Face rejuvenation
- ✓ Skin anti-aging
- ✓ Body skin tightening
- ✓ Contour shaping
- ✓ Non-surgical
- ✓ Non invasive
- ✓ No recovery time
- ✓ Immediate effects
- ✓ More precise and safe treatment



Improve your life
UCOS HIFU

The most important goal of our company
is the happiness of our customers.

- Customer Satisfaction
- Customer Impressions & Feelings
- Customer Happiness

www.bnbtech.kr
www.ucos-hifu.com



BE&BI TECH
For your better health & better beauty



Management Based on Respect & Value Creation for Customers

BE&BI Tech Pursues the Happiness of All Customers as Its Top Priority

In the BE&BI Tech's new CI, the outer circles represent planet Earth where the five major oceans and the six continents are organically connected as one, and the face in the middle represents people living together in harmony in the world.

The new CI symbolizes our company's strong commitment and management philosophy to create values for customers and practice management based on respects for people.

BE&BI Tech is focused on convergence therapy systems and skin care treatment systems, and continues to innovate by developing state-of-the-art convergence source technologies. BE&BI Tech is committed to developing new technologies for human health, and we'll continue to strive hard to bring bigger satisfaction and happiness to our customers.



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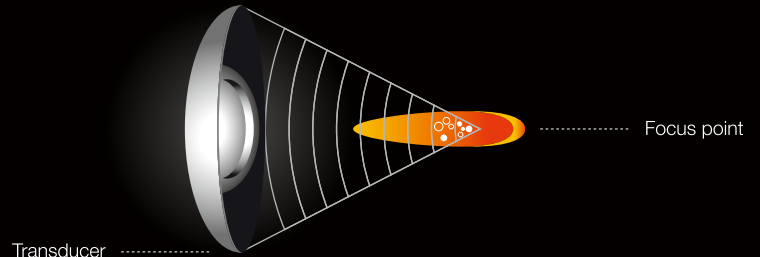
심(心) **Heart** / Filled with warmth and enthusiasm
기(氣) **Energy** / Filled with ambition and energy
정(情) **Attachment** / Growing together with customers

- Customer Satisfaction
- Customer Impressions & Feelings
- Customer Happiness

UCOS-HIFU

High Intensity Focused Ultrasound Principles

- Thermal effect : fast temperature rise above 60°C
- Mechanical effect : generation and collapse of gas bubbles, ruptures cell walls
- Create constant thermal coagulation and promote new skin tissue regeneration



UCOS-HIFU Treatment

The UCOS-HIFU has the advantage of removing wrinkles and lifting the skin without performing surgical procedures directly on the skin. The HIFU is an indirect treatment with little damage and no side effects to the upper skin area. With relatively small amount of treatment time of 10 to 30 minutes, it can improve skin elasticity and remove fine wrinkles. The users can also go back to their daily life right after the treatment procedure without any side effects.

The UCOS-HIFU system can be used for local areas to prevent damage to skin tissues. The system is used to remove wrinkles, drooping eyelids, wrinkles around the chin, around the eyes and around the mouth, and to restore skin elasticity and regeneration capability. As the skin is lifted through regeneration of elastin and collagen from the skin's inner layer SMAS(fiber membrane layer, Superficial Muscular Aponeurotic System) tissues, repeated treatment using existing skincare devices becomes unnecessary. Also, the tissues newly formed in the skin's inner layer by the treatment last for a long period of time.



The UCOS-HIFU System Was Developed to Satisfy Eight Requirements for Beautiful Skin

- Promote collagen regeneration
- Skin pigmentation improvement
- Natural V-line formation
- Removal of fine wrinkles
- Improvement to brighter skin tone
- Skin elasticity improvement
- Skin lifting effects
- Promote elastin regeneration



UCOS-HIFU Lifting Treatment

HIFU Lifting

How it works

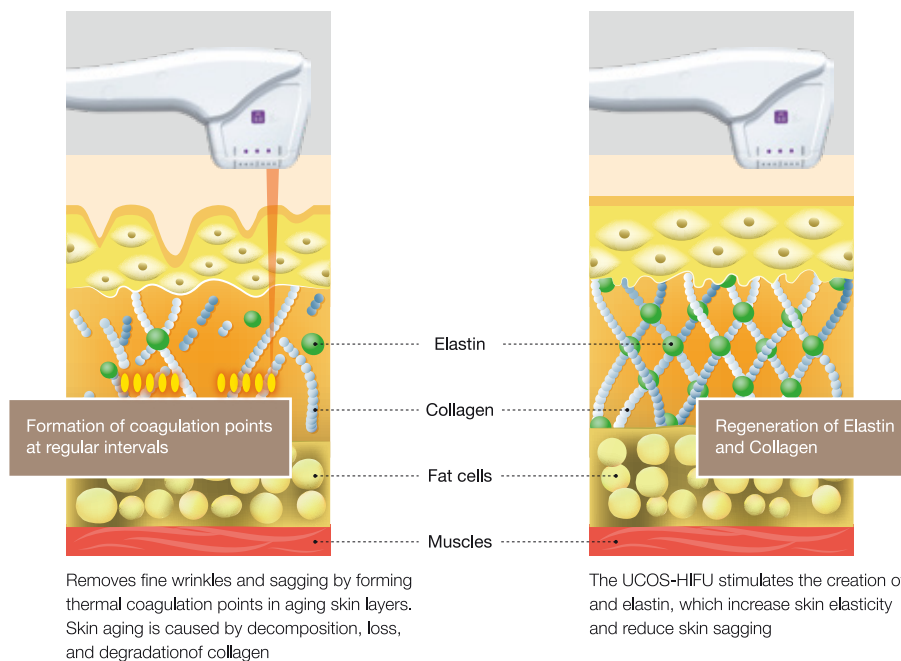
UCOS-HIFU Skincare System

The high-intensity ultrasonic energy is delivered to the depth of 1.5mm to 13mm below the surface of the skin to create thermal coagulation points smaller than 1mm. The new thermal coagulation points generate heat of more than 60°C at the moment of their formation and create another set of thermal coagulation points in the target layer in constant intervals. This generation captures and lifts the skin tissues up, thus resulting in the surface skin being lifted.



UCOS-HIFU Facial Area Treatment

Concentration of the ultrasonic energy in the wrinkled skin to form thermal coagulation points at regular intervals



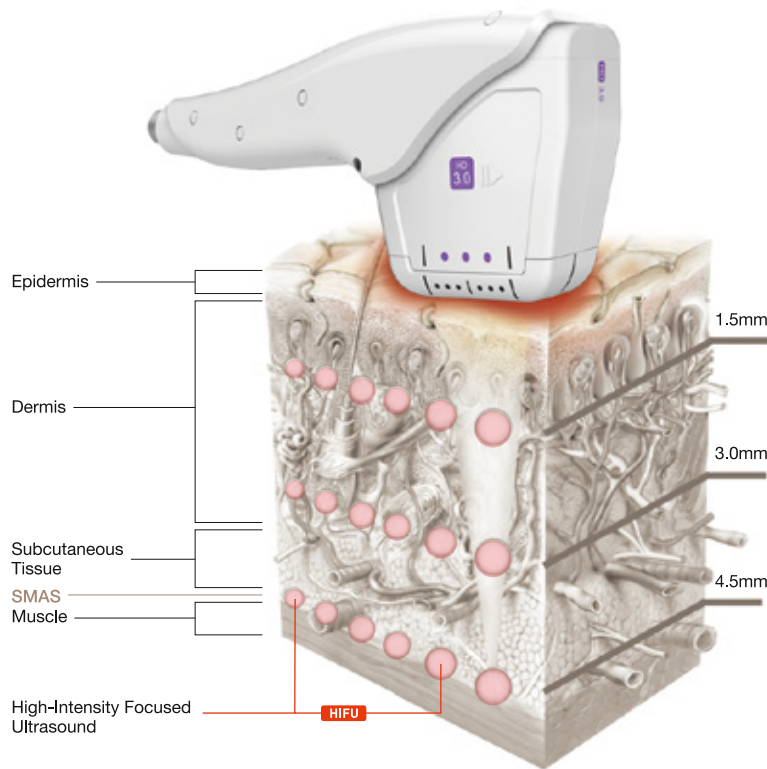
2 Months After the Ultrasound Treatment

Regeneration of Elastin and Collagen within skin tissues

The treatment forms thermal coagulation points in 4.5mm-deep fiber membrane (SMAS) layers, and elastin and collagen playback reaction takes place around the coagulation points, resulting in removal of wrinkles and increased skin elasticity as the tissues are pulled together tighter.

UCOS-HIFU

Ultrasonic Wave Delivery from the Dermis Layer to the SMAS Layer



Mechanism

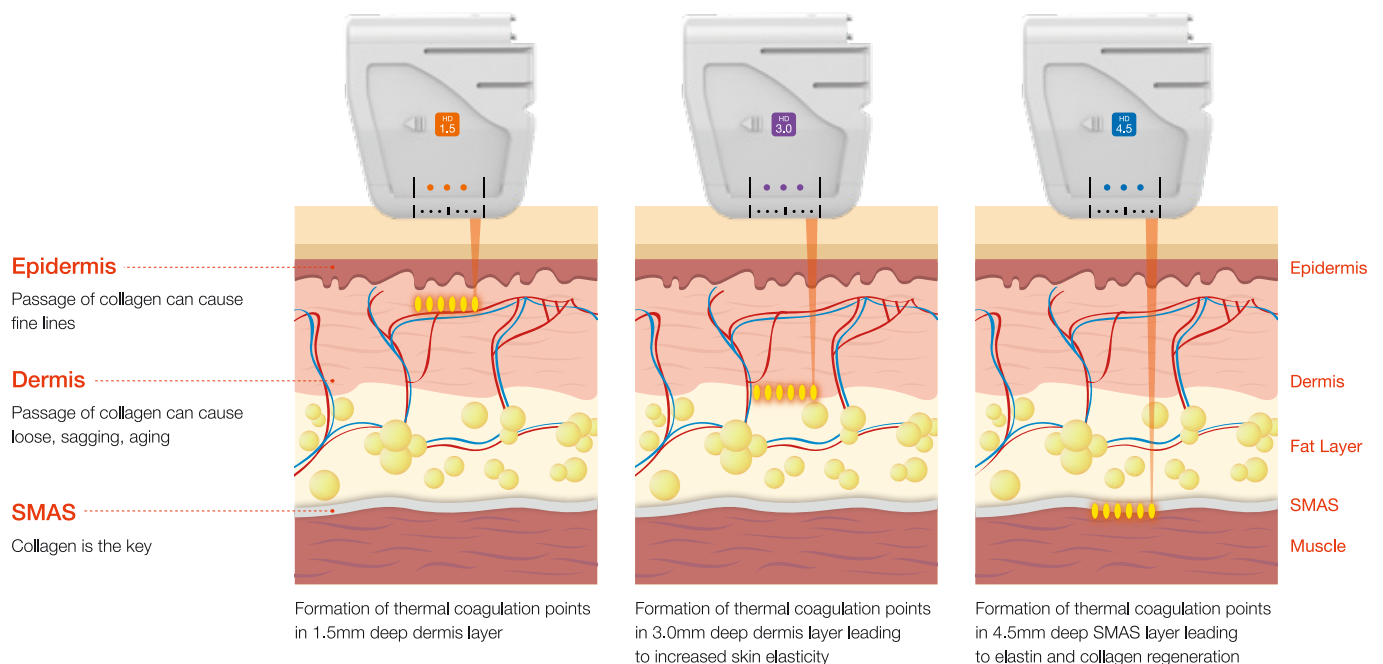
HIFU(High Intensity Focused Ultrasound) delivered deep in to the skin layer without damaging the skin

Cause thermal coagulation in the SMAS (Super facial Muscular Aponeurotic System) layer

Regeneration of collagen and elastin over time gradually lifts skin and increases skin elasticity

UCOS-HIFU

Delivery Depth Per Cartridge



I UCOS-HIFU Treatment Information

Facial Area Removal of Wrinkles / Skin Aging Prevention / Increased Skin Elasticity



For Facial



HD-1.5

Remove wrinkles around the eyes, eye brows, nose
HD-1.5mm



HD-3.0

Remove nasolabial lines and wrinkles in facial area, including forehead and cheeks
HD-3.0mm



HD-4.5

Remove nasolabial lines And wrinkles in cheeks, double chins, neck, chest
HD-4.5mm

Slim Type



HD-1.5

Remove wrinkles around the eyes, eye brows, nose
HD-1.5mm



HD-3.0

Remove nasolabial lines and wrinkles in facial area, including forehead and cheeks
HD-3.0mm

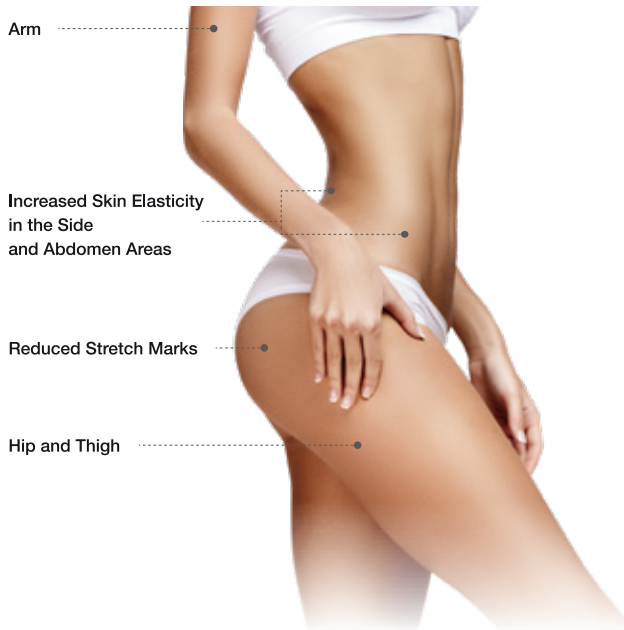


HD-4.5

Remove nasolabial lines And wrinkles in cheeks, double chins, neck, chest
HD-4.5mm

Treatable Parts of Body

Fat reduction / Skin aging prevention / Increased Skin Elasticity
Side / Thigh / Cellulite / Chest / Arm / Abdomen



HD-7

For skin elasticity improvement and fat reduction in the chest, shoulder and forearm areas
HD-7mm



HD-10

For skin elasticity improvement and fat reduction in the side and leg areas
HD-10mm

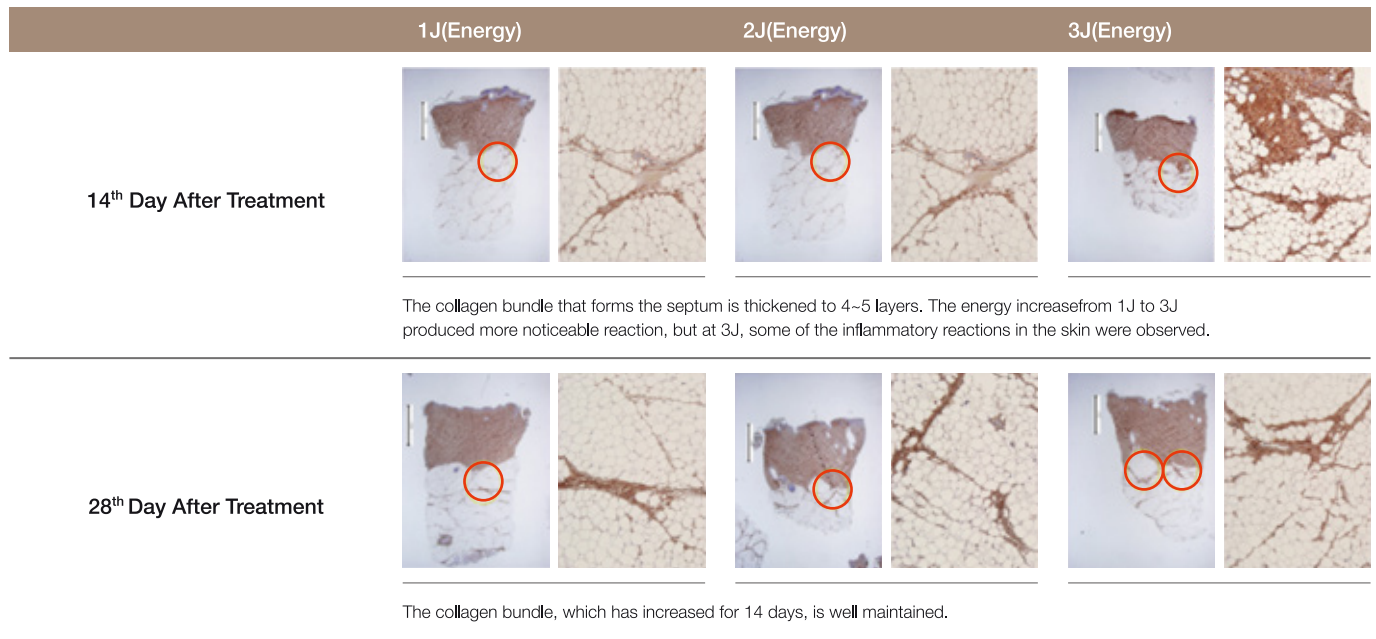


HD-13

For skin elasticity improvement and fat reduction in the abdomen and thigh areas
HD-13mm

Preclinical Experiment Research

IHC(collagen) Evaluation



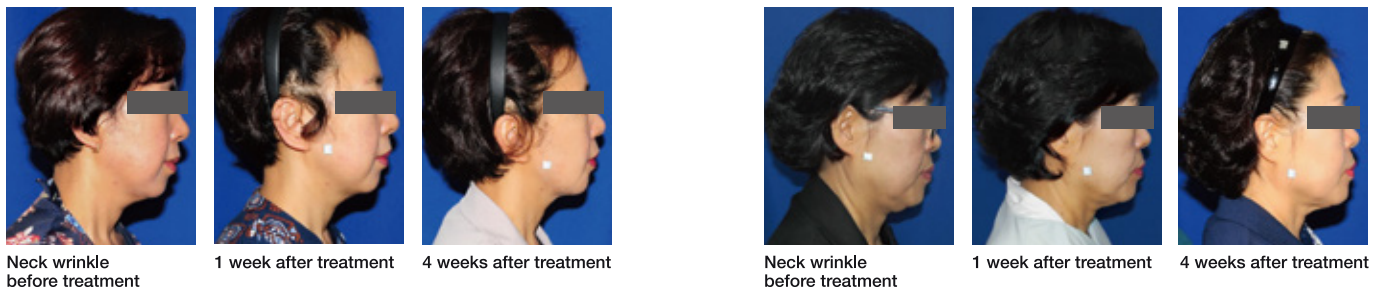
Full-time testing using mini-pig showed an increase in the generation of collagen two weeks after appropriate coagulation points were generated at 4.5mm depth for all groups when the H&E dye, MT dye, and IHC dye were observed.

The UCOS-HIFU produced coagulation points within the appropriate biocompatible skin and it was observed that collagen was generated well. The recommended energy will also be used to perform the procedure more safely without the risk of skin burn or other side effects.

Clinical Trial and Evaluation

Yonsei Wonju Severance Christian Hospital, Department of Plastic Surgery / Clinical Center

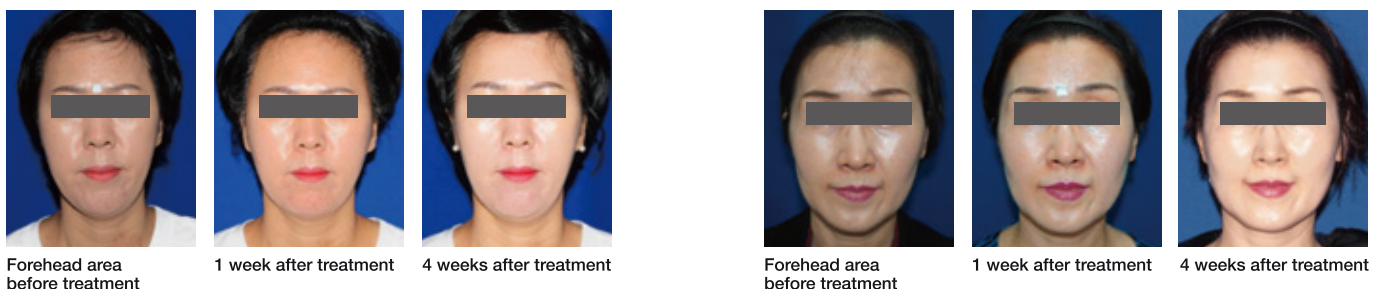
Demonstration of Wrinkle Removal and Improvement of Chin Line with Stability(20 Clinical Cases)



The result from 20 clinical cases of neck area treatment

- Neck wrinkles removed by 90% from objective observation / All patients felt satisfied
- After treatment, wrinkles stayed gone and the elastic skin was maintained from the continuous regeneration of collagen
- There were very few side effects, such as red spots, and it was evaluated as a safe and effective treatment

Demonstration of Skin Elasticity Improvement and Effectiveness of Treatment (47 clinical cases)



The result from 47 clinical cases of forehead area treatment

- Forehead wrinkles removed by 86% from objective observation after 30 days
- Skin was lifted by 2mm on the AEH and the skin elasticity was maintained after 90 days of treatment
- Patients' satisfaction level was very high after the treatment

Making our customer's skin beautiful is our greatest aim,
and the UCOS-HIFU comes to you with exemplary
customer satisfaction and customer service!



Category	Technical Specification
Product name	UCOS - HIFU
Power	AC 100~240V, 50/60Hz
Frequency	4MHz
Display	TFT 8 Inch Color LCD touch screen
Energy	0.2~2J(0.1 step)
Number of shots per cartridge	10,000 shots
Width	1.0~2.0mm(0.1mm/step), 2.0~5.0mm(0.5mm/step)
Length	5.0~28mm(1.0mm/step)
Weight	5.7kg(without cartridge)
System size	370 x 310 x 155mm(without cartridge)
Cartridge size	350 x 360 x 850mm(width x length x height)
Cartridge weight	13kg
Total system weight	18.7kg

Cartridge Type		Treatable Parts of Body
For Facial	HD-1.5mm	Remove wrinkles around the eyes, eye brows, nose
	HD-3.0mm	Remove nasolabial lines and wrinkles in facial area, including forehead and cheeks
	HD-4.5mm	Remove nasolabial lines and wrinkles in cheeks, double chins, neck, chest
For Body	HD-7mm	Remove wrinkles around the eyes, eye brows, nose
	HD-10mm	Sides, forearms, thighs, abdomen
	HD-13mm	Abdomen, forearms, thighs, sides, hip
Slim Type	HD-1.5mm	Remove wrinkles around the eyes, eye brows, nose
	HD-3.0mm	Remove nasolabial lines and wrinkles in facial area, including forehead and cheeks
	HD-4.5mm	Remove nasolabial lines and wrinkles in cheeks, double chins, neck, chest

UCOS-HIFU Treatment Benefits

- Remove wrinkles on the facial areas such as forehead, cheeks, under the eyes, sides of the eye, chin, and improve skin elasticity.
- Maintain and manage body shape and skin elasticity by skin lifting in various parts of body such as abdomen, forearms, sides, thighs, calves, and waist.
- After 10 to 30 minute non-surgical treatment, users can go back to their daily lives.
- Selective ultrasonic thermal energy is delivered deeper into the skin layers than laser and high frequency waves.
- The UCOS-HIFU treatment produces no pain or side effects.
- Immediately after treatment, fine wrinkles are removed and elastic skin can be maintained for a long time for body shape management.



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