

# EFFECT

HIFU + DDU combined  
multi-ultrasonic effect



## Dermatologic

- Acne comedonica
- Acne papulopustulosa
- Atopic dermatitis/ Eczema
- Perioral dermatitis
- Hypertrophic scars
- Acne scars
- Contusion
- Venous ulcer
- Lupus erythematosus



## Aesthetic

- Skin rejuvenation
- Wrinkle care
- Skin tone improvement
- Anti-aging



## Body care

- Tightening
- Fat reduction
- Diminishing stretch marks & Cellulite



KORUST is a Ultrasonic Therapy specialized company  
that aims to be the world's best

*The New Paradigm of  
Ultrasonic Total Care*

**UTIMS** CRUISE



※ KORUST is a HIFU specialized company

**CENTERLESS HIFU**

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HIFU+HIFU ▶ Focus version

DDU+ HIFU ▶ Exclusive version

DDU+DDU ▶ Dermatologic version



# Ultrasonic Therapy

Ultrasonic energy has therapeutic benefits when irradiated to skin cells.

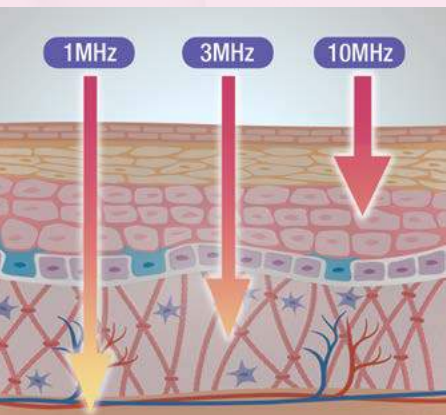
- Stimulate skin
- Strengthen skin
- Prevent aging
- Moisturizing effect
- Wound/Scar treatment
- Relieve pain
- Non-Invasive
- No downtime
- Natural

# Nanosonic/10MHz

Higher Frequency = Higher Ultrasonic Energy  
Higher Frequency = Higher Energy Density & Resolution

- 10MHz Effect
- Scar treatment
  - Skin Moisturizing
  - Strengthen skin elasticity
  - Improving skin tone

10MHz Ultrasonic energy makes the treatment effect fast and strong.



# HIFU

High-Intensity Focused Ultrasound



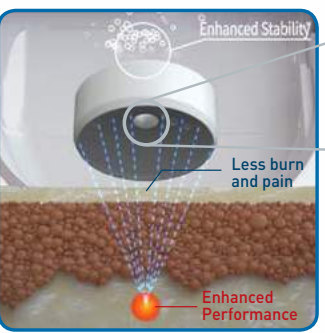
HIFU(High-Intensity-Focused-Ultrasound) is delivered into SMAS(Superficial Muscular Aponeurosis System), dermis, and subcutaneous tissues. When the temperature increases more than 65C (the threshold of protein denaturation), the coagulation heat lesion is made. Through the natural wound healing process, the skin becomes tightened and rejuvenated.

## 1 CENTERLESS HIFU

- Stable focal points(heat lesion) and maximizing the treatment outcomes
- Reduced side effects, such as pain and burns
- Safer treatment



Regular HIFU Ceramic



Centerless Ceramic

**CENTERLESS HIFU**  
Centerless HIFU of UTIMS CRUISE prevents possible burn side effects and reduces pain

## 2 10MHz effect

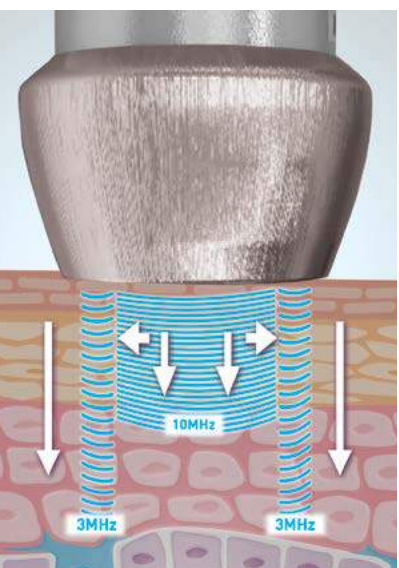
- Produces more accurate and safe heat lesions at 1.5mm depth

## 3 Transducer Heat Lesion Valuation System (THLVS)

- Safer Therapy : Transducers with 100% lot test
- HIFU Test Phantom : Self-developed, manufacturing
- Heat Lesion Simulation
- 3 steps Preliminary inspection

# DDU

Dual Dynamic Ultrasonic



DDU (Dual Dynamic Ultrasonic) technology allows two different ultrasonic frequencies to stimulate the skin simultaneously.

DDU creates the cross section force, which maximizes the ultrasonic effect in skin.

## 1 Powerful energy by two ultrasonic waves at the same time

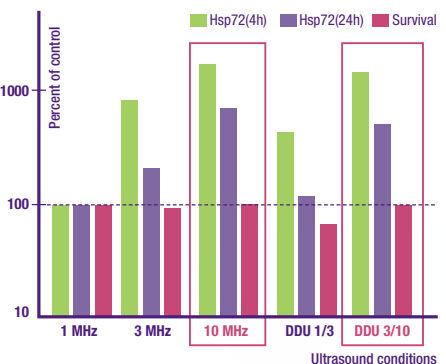
- Instead of sequentially irradiating different frequencies, DDU irradiates different frequencies simultaneously.
- Much higher energy is irradiated by different frequencies together which results in better treatment effects.
- Single frequency probe is also available as an optional choice.

## 2 Longitudinal Energy & Transverse Energy

The dynamic energy created by longitudinal and transverse energy enhances the treatment effects.

## 3 Cross Section Force

When ultrasonic energy is simultaneously irradiated in 2 directions, the cross section force is created by high frequency in the center & low frequency around the edge. The cross section force yields the energy in the lateral direction which makes the unique dynamic.



<Increase of HSP according to frequency -DDU>

- Produces maximum heat shock proteins (HSP) on the skin:Strengthens skin barrier and relieves skin troubles

Creative and practical design for user convenience