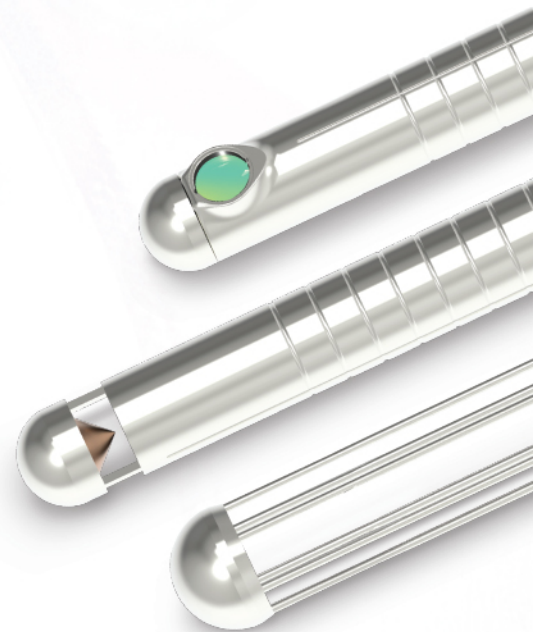




Aphrodite

Laser specially for women

Fractional CO₂ Laser RF-Driver



BISON
MEDICAL EQUIPMENT MANUFACTURER

Laser for obstetrics and gynecology

This equipment has the newest RF tube and stamp method, and its hand piece can be exchanged for various purposes allowing for both CO₂ fractional laser and ultra pulsed CO₂ laser procedures. In particular, the SUI Handpiece (Stress Urinary Incontinence) and VR Handpiece (Vaginal Rejuvenation) procedures are popular in gynecological treatments. By stimulating the collagen within the vaginal mucous membranes, the vaginal canal becomes more elastic after the procedure, to improve symptoms of urinary incontinence, other lesions in the vagina (vaginitis, vaginal dryness etc).

Improvement of urinary incontinence

Vaginoplasty

Whitening of labia majora and minora

Improved sexual satisfaction

Improvement in vaginal dryness

Improved vaginal atrophy

1. Non-surgical procedure (No- Bleeding)

2. No need for anesthetics and the procedure is pain free

3. Easy and quick procedure (Less than 10 minutes)

4. Quick recovery to daily activities



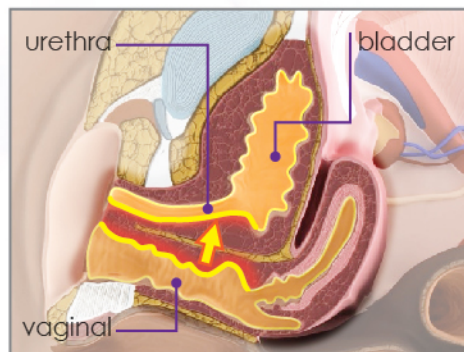
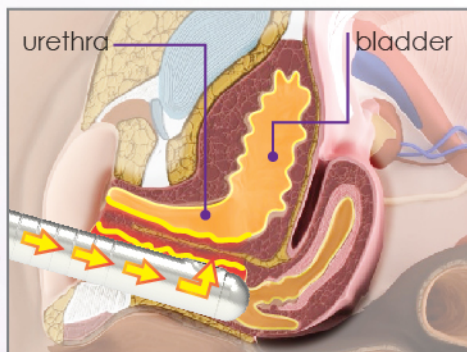
More convenient!

Safer!

Less painful!

Faster procedure!

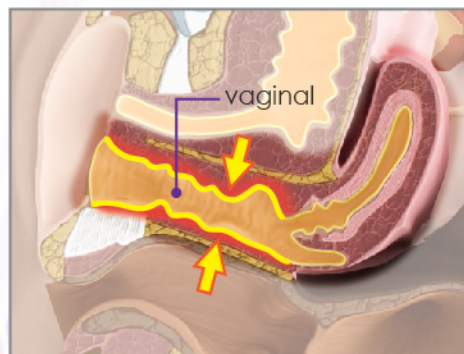
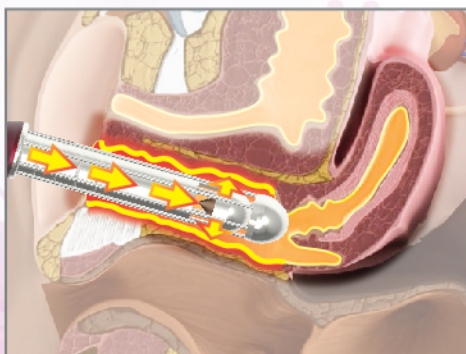
Treatment of Urinary incontinence



SUI Handpiece (Stress Urinary Incontinence)

In order to improve the symptoms of protrusion of the bladder or the urethra towards the vagina, the Aphrodite is used to tighten the vaginal walls.

VENUS Tightening (Vaginal Rejuvenation)



VR Handpiece (Vaginal Rejuvenation)



Guide



By delivering heat energy into the mucous tissue within the pelvis, collagen remodeling is induced, which in turn leads to contraction of the vaginal canal.

Laser for Dermatology



Compared to previous CO₂ Laser, the modern RF tube and stamp method are used in this equipment. You can use CO₂ Fractional Laser or Ultra pulsed CO₂ laser by changing the hand piece on the purpose of use.

Wrinkle

Large Pore

Skin tone &
Skin texture

Scar

Striae distensae

Wart etc.

Stamp Mode

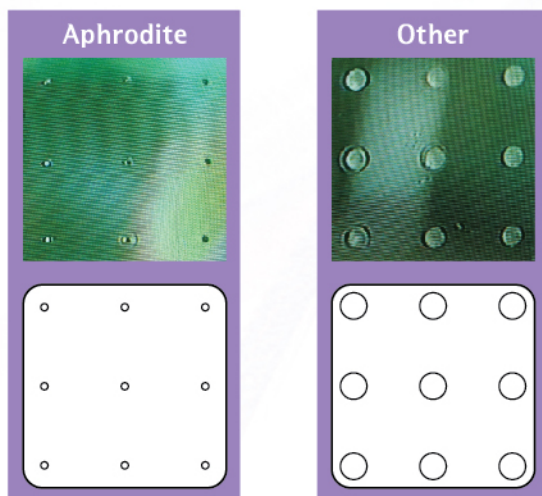
The laser energy can be delivered into dermal tissues and collagen area deep by this Stamp mode operation that has ability to irradiate every laser beams toward vertical direction unlike a scanner mode operation. And the 49 threads of laser beams irradiating at the same moment shorten time to treat as well as its excellent therapeutic efficacy.

More Stable beam quality

Aphrodite ensures the emission of very homogenous beams with 95% purity and M2 <1.2 at TEM₀₀ mode to be able to radiate stable energy on every pixel.

Spot size comparison

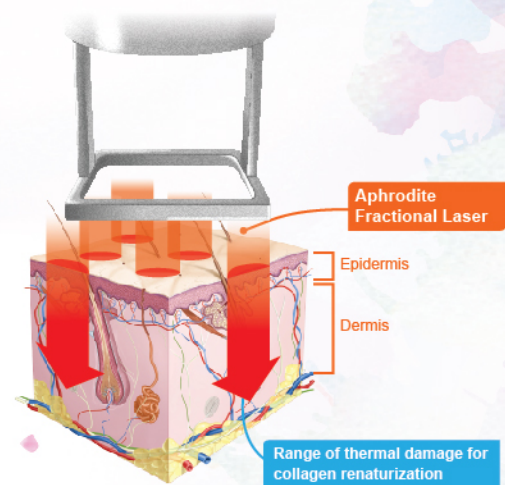
Smaller spot size enable the light to penetrate the skin deeply and decreases pains.



Spot size (Unit: μm)	Aphrodite 70~80	Other stamp-type 200~250	Other scanner-type 250~300
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Safe and Quick Treatment

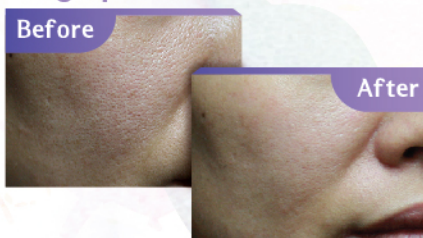
Easy to learn and use, Aphrodite brings faster results safely for your patients.



The micro laser beams go into the dermal tissues to minimize skin damage and offer a safe and quick way to perform skin peeling and resurfacing at the same time. Previously, practitioners have used different laser devices for each indication such as skin tightening, and scars, etc. Now, Aphrodite presents a solution to solve most of skin troubles at a stretch with only one smart laser device.

Clinical data

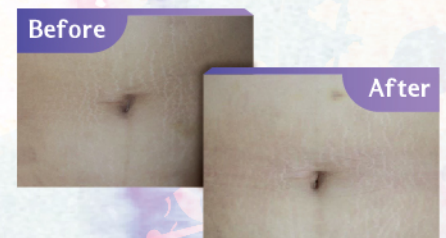
Large pores



Acne scars

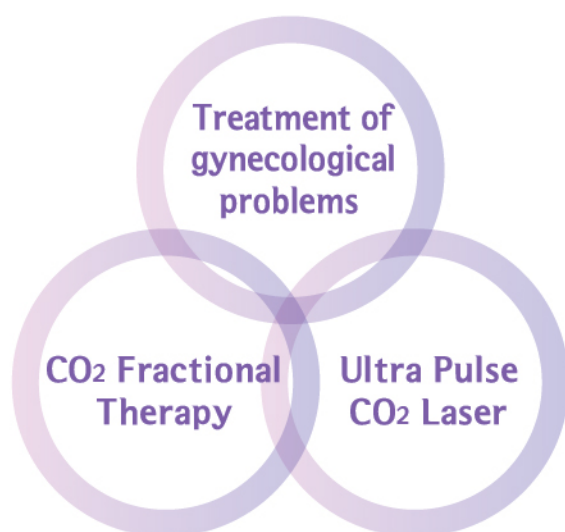


Striae distensae



Comparison with gynecological procedures

	Aphrodite Procedure	Others	Former Vaginoplasty
Type of procedure	Procedure using CO ₂ Laser (10,600nm)	Procedure using Er-YAG Laser (2940nm)	Surgery (Insertion of a tape under the urethra)
Anesthesia	None	None	Sedation anesthetics, local anesthetics
Pain	Almost none	Small amount of bleeding	Urinary problems, Pain and discomfort in the thighs and legs Increased risk of inflammation
Effect	Improvement of urinary incontinence, Vaginal contraction, Vaginal tightening , Improvement in vaginal dryness	Small improvement in urinary continence, vaginal tightening	Improvement of urinary incontinence
Shape	Vaginal tightening	Changes depending on the individual	No change
Side effects	Almost none	Almost none	Inflammation and dehiscence of the surgical scar. Exposure of the urinary incontinence tape used in the operation. Increased discharge.
Complications	None	None	Urinary difficulties and ongoing thigh pain may occur
Thermal Effect	Present	Minimal	None



System Specifications

General	
Dimension (W x D x H)	320(W) x 710(D) x 1000(H) (mm) (Include Arm H : 1610mm)
Weight	55 Kg
Laser system	
Laser type	Fractional CO ₂ laser, RF driver type
Wavelength	10.57 ~ 10.63 μ m, invisible infrared
Laser power output	Up to 75W
Laser mode	Stamp, Spray, Ultra Pulse, CW
Spot size	70 μ m, 49 pixel (10 x 10 mm)
Delivery system	7-joint, fixed mirror articulated arm
Cooling system	Air
Surgical system	
Stamp Mode	Pulse frequency range 25 ~ 1000 Hz Pulse Duration range 100 ~ 900 μ s Exposure time range 50 ~ 1000 ms Repeat time range 100 ~ 3000 ms, Single
Ultra Pulse	Pulse width 200 ~ 1000 μ s Repeat time 10 ~ 1000 ms, Single
Continuous Wave	Power 0.5 ~ 40 Watt

Obstetrics and gynecology

1. Vaginal contraction
2. Improvement of urinary incontinence
3. Improvement in vaginal dryness
4. Improved vaginitis
5. Improved sexual satisfaction

CO₂ Fractional Laser

1. Wrinkle & Fine line
2. Skin Rejuvenation
3. Large Pore
4. Skin tone & Skin texture
5. Acne scar, Surgical scar

Ultra Pulse CO₂ Laser

1. Wart
2. Circumcision
3. Cone, Clavus