

THE FIRST MULTI-APPLICATION

FRA~~XIS~~ DUOTM

High Power CO₂ Laser plus Micro-needle RF





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THE DEFINITION OF FRAXIS DUO

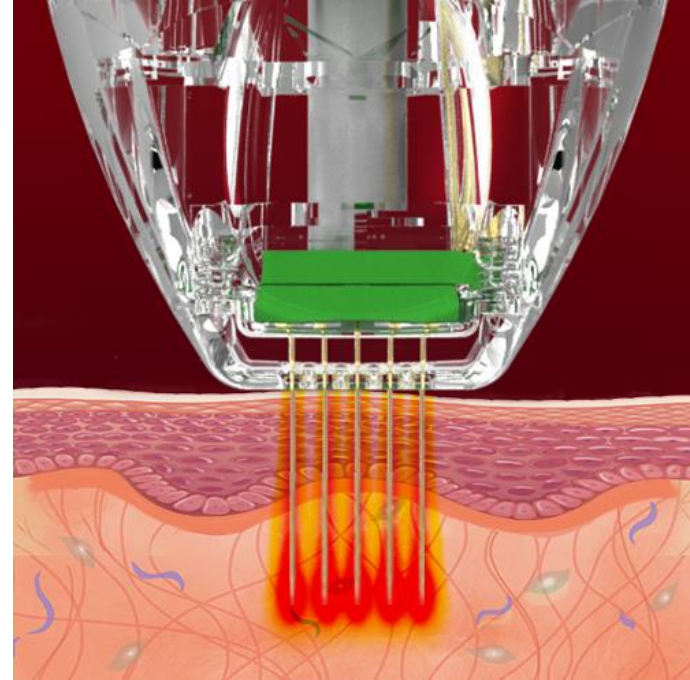
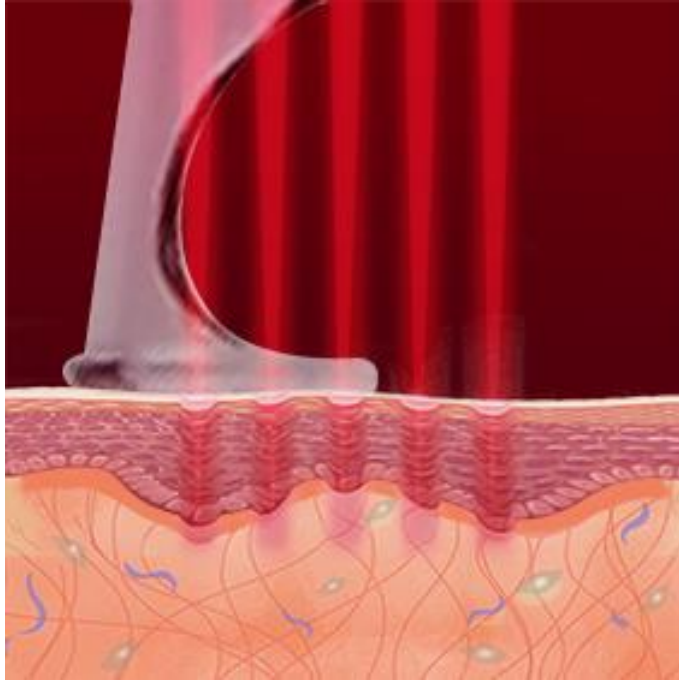
The **FRAXIS^{DUO}**™ is a combining CO₂ laser and micro-needle fractional RF technology for optimal result of scars, photo-aging and Striae distensae. CO₂ fractional laser is enabling intense superficial heating stimulation and micro-needle fractional RF provides higher volumetric heating and deeper heat diffusion.

The dual modalities permit the treatment of all skin types and maximum treatment flexibility to treat a larger range of applications increasing the effectiveness of the treatment and reducing side effects.

The combining therapy could be an effective and better choice for striae distensae by both effective dermal remodeling and skin resurfacing at the same time.



THE CONCEPT OF COMBINATION THERAPY



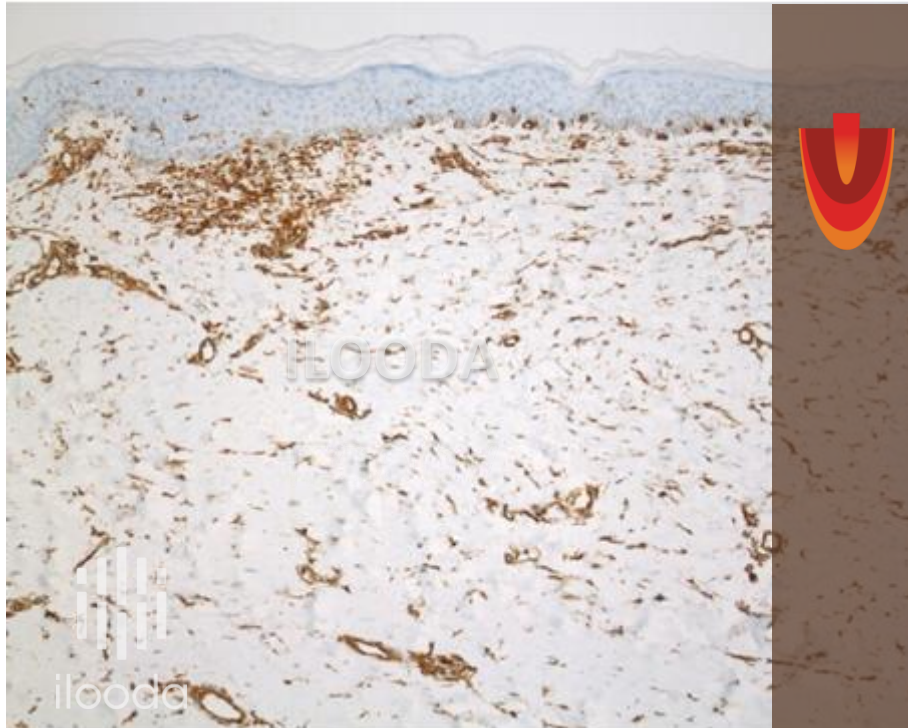
- CO₂ fractional is enabling intense superficial stimulation and micro-needle fractional RF provides higher volumetric heating and deeper heat diffusion to 3.5mm based on treatment target areas, depending on the skin's condition.
- Such complementary effects could encourage physicians to combine two technologies for an effective treatment for various indications.

THE CLINICAL DIFFERENCE OF CO₂ vs MICRO-NEEDLE RF

Vimentin Immunohistochemical analyses at 15 days after application

FRAxis vs **Secret^{RF}_{2.0}**

Biopsies courtesy of Michael Naouri MD



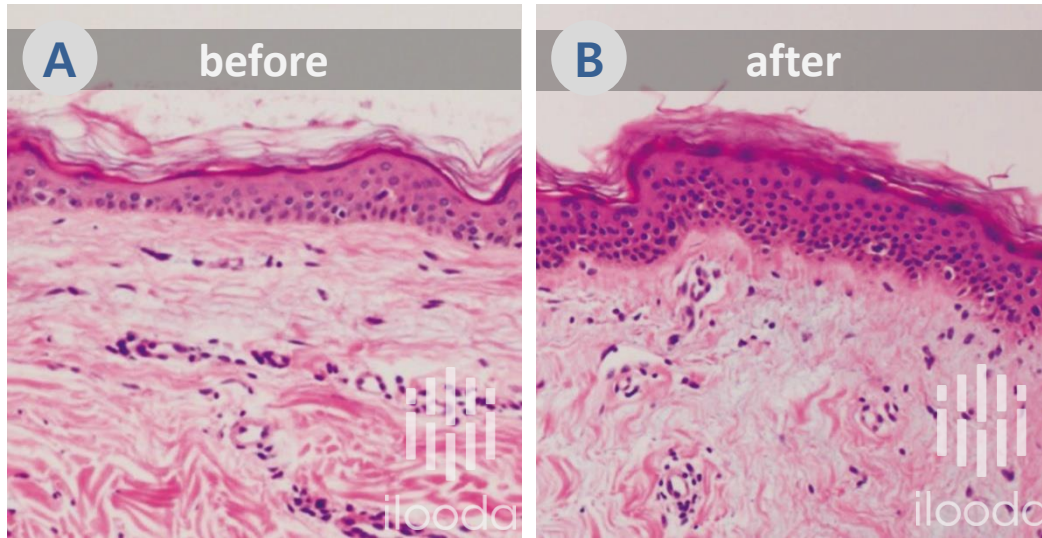
Post CO₂ FRAXIS™



Post SECRET RF™

The histology analyses show an intense superficial fibroblast stimulation with CO₂ but a middle and deep fibroblast stimulation using micro-needle fractional RF.

THE CLINICAL EFFECTS OF COMBINATION THERAPY

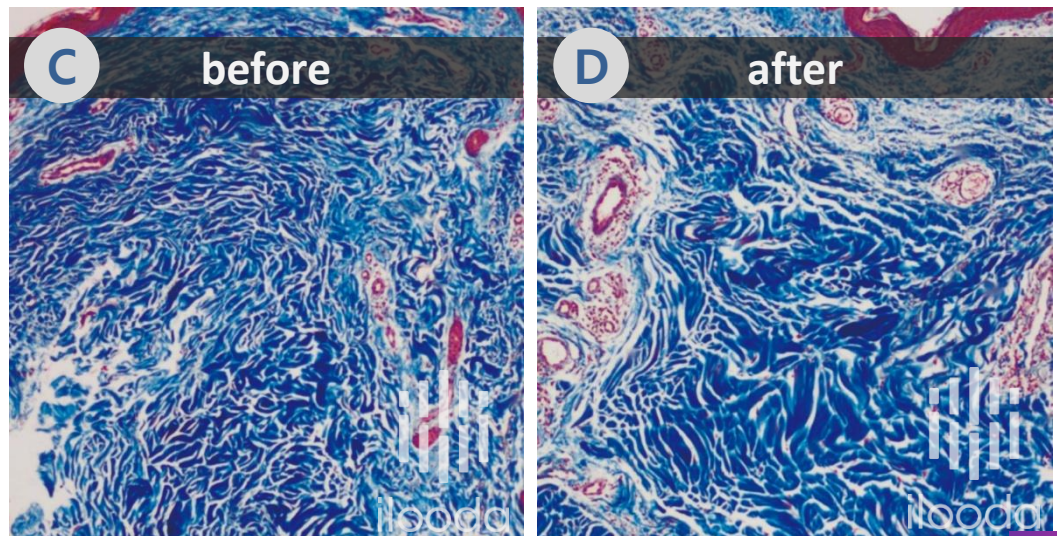


Thickened epidermis and dermal remodeling post micro-needle RF with CO₂ laser treatment

Biopsies courtesy of Jae-We Cho MD

Note the thickened epidermis (B) and increased and thickened collagen bundles in the dermis (D), compared to base line (A, C), respectively.

(A, B: hematoxylin and eosin, X 100;
C, D: Masson trichrome stain, x 40).



THE BENEFITS OF DUAL MODALITIES

Ultra Pulse

- Seborrheic Keratosis
- Freckle
- Wart
- Lentigines
- etc

Micro-needle RF

- Non-surgical face lifting
- Photo-aging
- Scars
- Hyperhidrosis
- Striae distensae

Scanner

- Skin rejuvenation
- Scars
- Fine lines
- etc

CW

- Surgical Operation



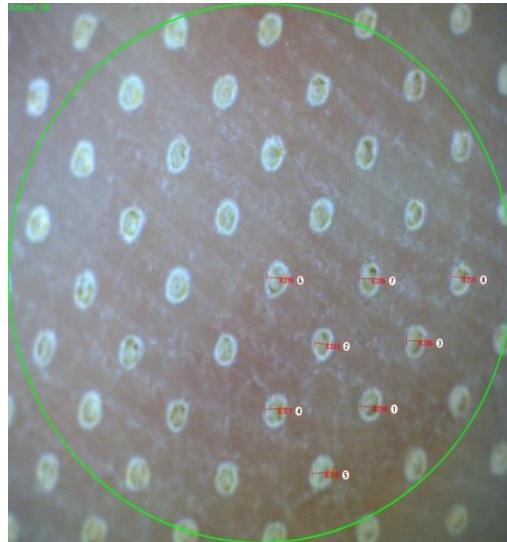
FRAXIS^{DUO}™

With dual energies and various modes it enables physicians to easily select the most effective mode and energy depending on a variety of conditions on all skin types with very low risk of skin burns and PIH.

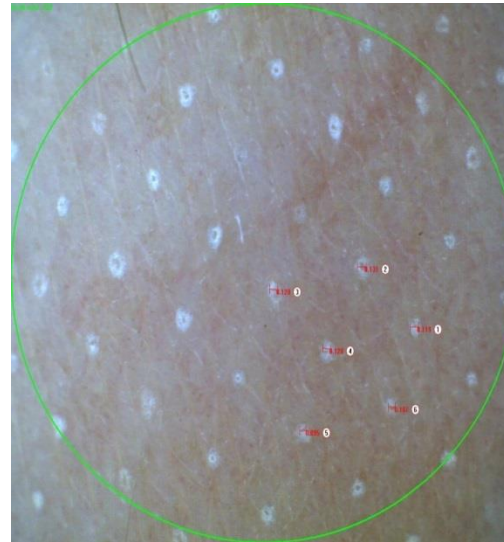
FEATURES OF CO₂ LASER

THE BEST BEAM QUALITY

Conventional
CO₂ Fractional Laser



FRAXIS CO₂ Fractional Laser



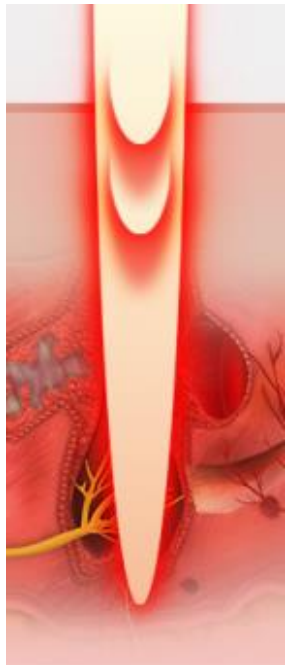
- Minimal invasiveness, less pain
- Reduced down time
- Ideal Spot size (**100 μ m**)

- High risk of PIH
- Delayed down time

With 30 watt high power RF tube, uniform and stable laser beam with **100 ~ 120 μ m spot size** reduces thermal damage and any unpredictable side effect for maximum treatment effect.



ADVANTAGES OF CO₂ LASER



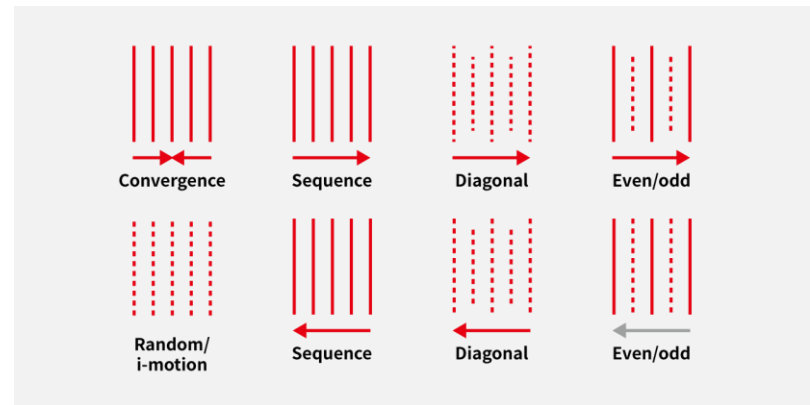
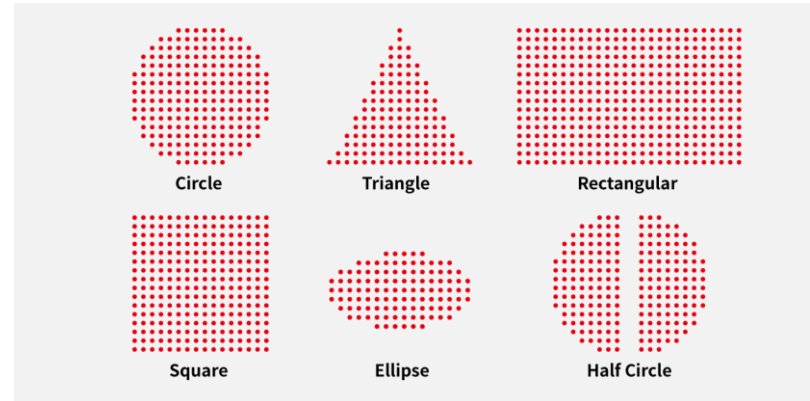
“i-stack” function

- Deepest ablative effect
- Low energy based safe treatment
- Minimal damage to tissue
- Mainly for depressed scars

6 different scan patterns for more treatment options

Scan size: 1x1 ~ 20x20mm

Dot distance: 0.1 ~ 2.0mm

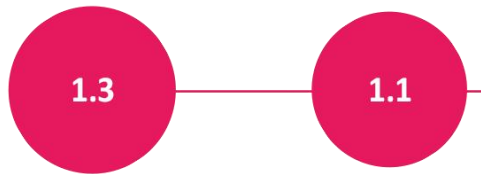


- **Shape** : more than **6** types / **Scan Mode** : **9** types
- Available to provide customized treatment
- Minimizing thermal damage and side effect
- Maximizing treatment effect

ADVANTAGES OF Smart Surgi™

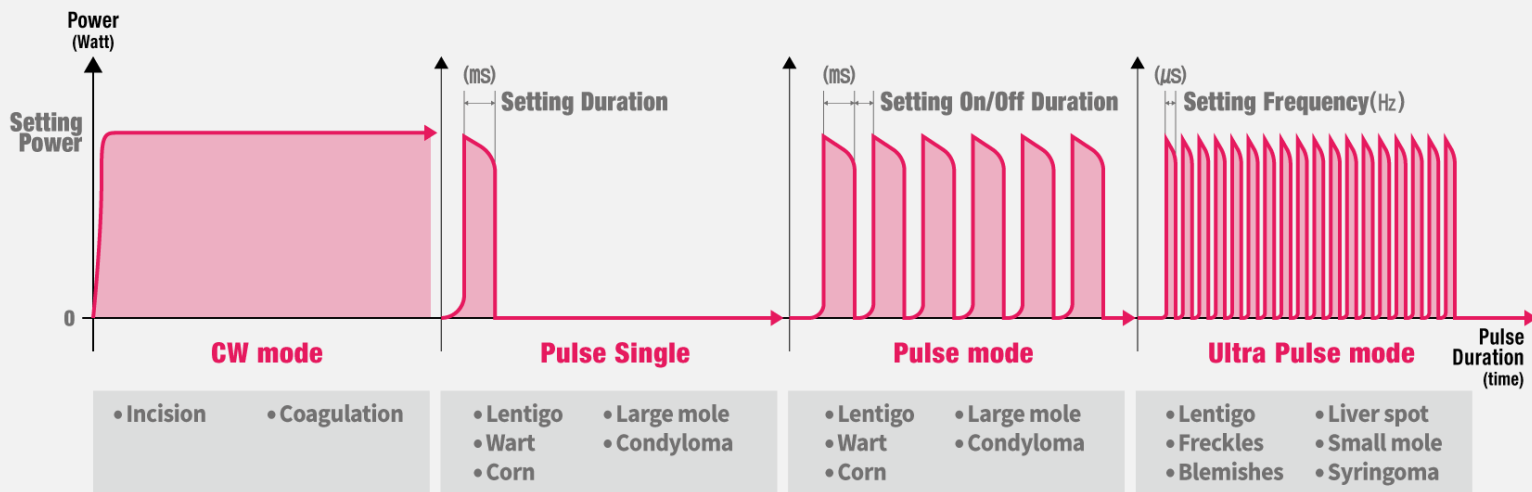


Mainly usage ;
Lentigo, Large Mole,
Condyloma, Wart & Corn



Mainly usage ;
Small mole, Syringoma,
Freckles, Blemishes & Lentigo

- Adjustable spot size : 7 spot sizes
- 4 types of surgical mode :
CW, Pulse single, Pulse, Ultra pulse
- Easy to select spot size and pulse mode



FEATURES OF MICRO-NEEDLE FRACTIONAL RF



- Dimension ; 140 * Ø40(mm)
- Weight ; 205g

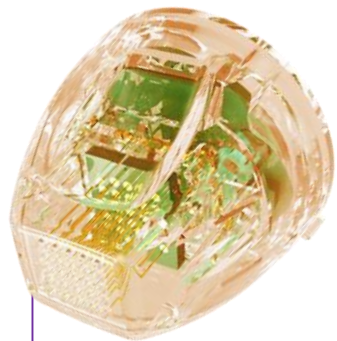
MTR-AC-25

25pin non-insulated micro-needle cartridges

Treatment Area ; 10*10(mm)

Max Output ; 25watt

Main Usage ;
mostly main indication



MTR-AC-C25

25pin semi-insulated micro-needle cartridges

Treatment Area ; 10*10(mm)

Max Output ; 25watt

Main Usage ;
Required for higher thermal effect at dermis/subcutaneous tissues



MTR-AC-10

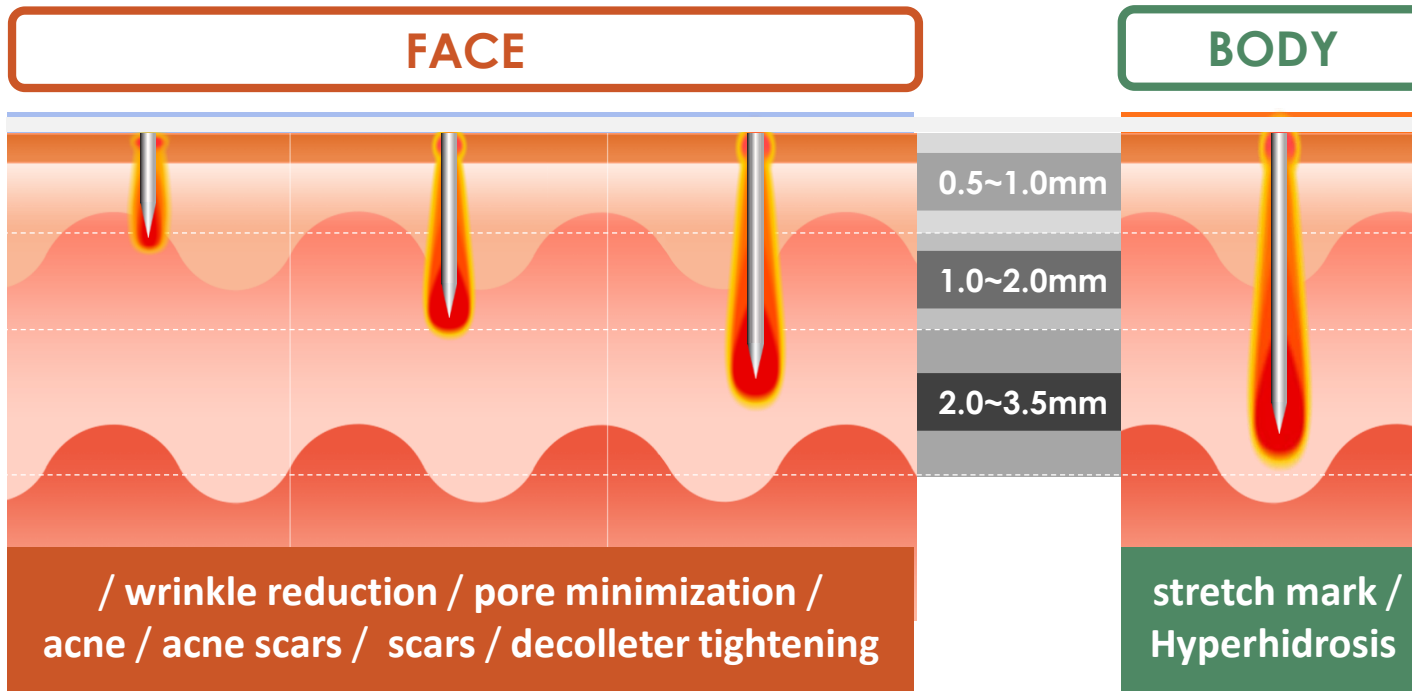
10pin non-insulated micro-needle cartridges

Treatment Area ; 0.25*18(mm)

Max Output ; 25watt

Main Usage ;
stretch mark, naso labial folds, crow's feet

FEATURES OF MICRO-NEEDLE FRACTIONAL RF

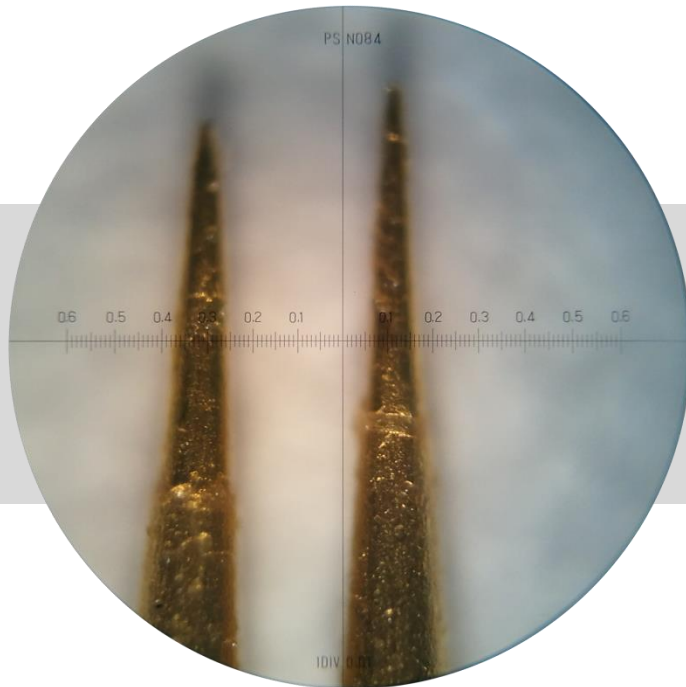


- Micro-needle penetration depth can be adjusted from 0.5 to 3.5mm based on treatment target areas for the treatment of skin lifting, tightening and rejuvenation e.g., hyperpigmentation, wrinkle, acne, acne scar and pore treatments.

- Delivered RF energy is tightly focused at the edge/tip of the Micro-Needles, leading to far less trauma to the surrounding epidermis. This leads to far less down time and pain for the patient as compared to a conventional CO₂ fractional laser.

What is the safest micro-needles for patients?

OTHER COMPETITOR'S



VS

Secret^{RF}



**Superior
Quality**

SPECIFICATION OF FRAXIS DUO

CO₂ Fractional Laser System

Wave length	10,600nm (TEM00)
Laser power	Up to 30W (Up to 175mJ)
Pulse duration	20-5,000us
Overlap	1 - 10 th
Pixel size	≥100 micron
Distance	0.1 - 2.0mm
Treatment area	1x1 - 20x20mm
Pixel quantity	Up to 40,401
Repetition	0.2 - 2Sec / Single
Normal handpiece (option)	0.2, 0.3, 0.5, 0.7, 0.9, 1.1, 1.3mm

Micro-needle Fractional RF System

RF Frequency	2MHz ±10%
RF Power	Up to 25W ±10%
Treatment duration (RF Emission)	50ms ~ 950ms
Intensity	0 - 100 Level (2/5/10 Step)
Needle thickness	0.25mm
Needle figure	25 electrode needle (5x5), 10 electrode needle (1x10)
Treatment area	25Pin (8.05 x 8.05mm), 10Pin (0.25 x 16mm)
Adjustable depth	0.5 ~ 3.5mm(0.1 step)
Repetition	0.2 / 0.5 / 1 / 2 Sec / Single
Electrical power	100 ~ 240VAC, 50/60Hz

GYNOLASER™

VAGINAL REJUVENATION
FOR ULTIMATE COMFORT AND
CONFIDENCE



What is GYNOLASER™



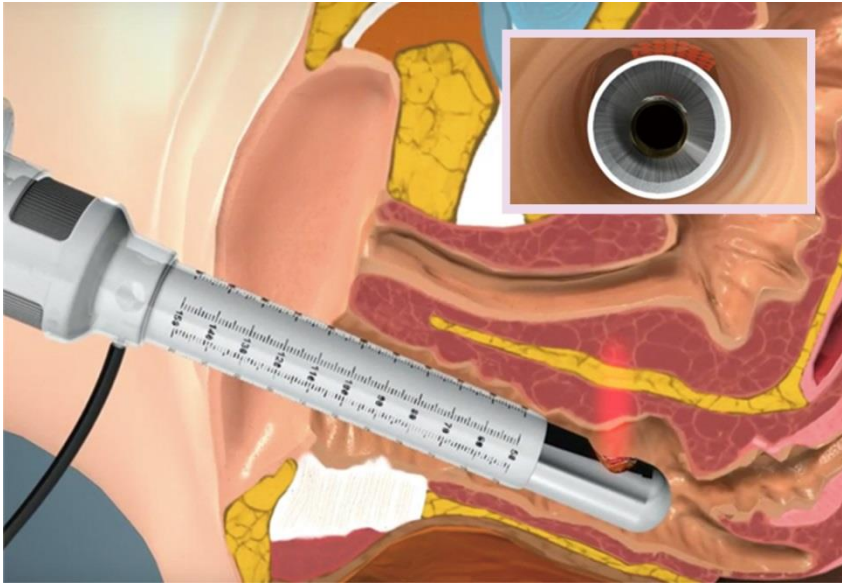
GynoLaser CO₂ fractional laser offers a fast, safe and highly effective minimal invasive procedure for the board variety of female disorders.

INDICATIONS

- **Vaginal laxity**
- **Stress incontinence**
- **Vaginal itchiness & burning**
- **Dryness and loss of lubrication**
- **Vaginal and vulvar pain or discomfort**
- **Diminished sensation during intercourse**



GynoLaser treatment procedure for vaginal rejuvenation/stress incontinence



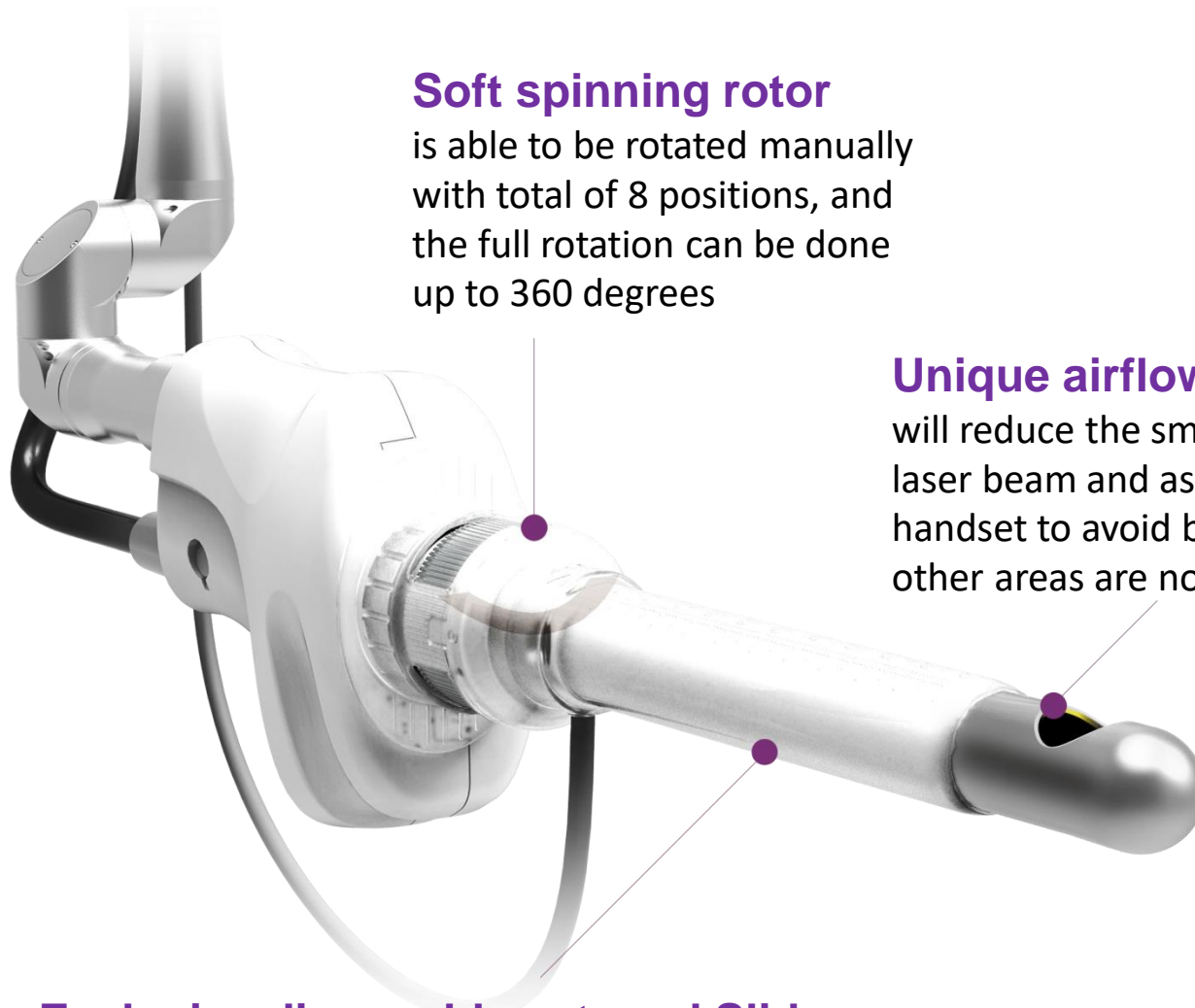
GynoLaser has a 90° reflecting mirror, which provides vertical delivery of the CO₂ laser beam (8 x 8mm) onto the wall of the vagina for remodeling of vaginal connective tissue with neoformation of collagen and elastic fibers, without causing any damage to surrounding tissue.



Petr Pícha, M.D.

Centre for Plastic gynecology
GynCentrum Prague

In terms of comfort and safety, the FRAXIS CO₂ laser is suited for treating various benign indications, as well as aesthetic indications. Fraxis CO₂ laser with the GynoLaser applicator is a versatile tool, which can be used in the pulse or fractional mode, and which is reliable and very useful tool for obstetrics and gynecology aesthetics.



Soft spinning rotor

is able to be rotated manually with total of 8 positions, and the full rotation can be done up to 360 degrees

Unique airflow function

will reduce the smoke interference to the laser beam and assist with turning the handset to avoid being over treated while other areas are not treated at all

i-slide, Exclusive disposable external Slide

can prevent the entire probe from sticking to the internal tissues while the probe is spinning in 90 degrees of angle for the treatment

TREATMENT INDICATIONS



- Tone & Texture
- Pore Reduction
- Wrinkle reduction
- Skin lifting & tightening
- Acne & Scar
- Whitening
- Resurfacing
- Stretch mark
- Hyperhidrosis



- Lentigo
- Wart
- Freckles
- Small mole
- Blemishes



- Vaginal tightening
- Urinary Incontinence

Michaël NAOURI, M. D.

Centre Laser International de la Peau - Paris,
Centre Laser - Nogent sur Marne, Nogent sur
Marne, France

- Using micro-needle fracitonal RF
 - Atrophic Scars
 - Acne Scars
 - Photo-aging
- Using CO2 laser
 - Onychodystrophy
 - Wart

Jae-We Cho, M.D., PhD.

Department of Dermatology, Laser and
Esthetic Center, Keimyung University School
of Medicine

- Using combination therpay
 - Striea Distensae



Before



After 2 sessions



Photo courtesy of Michael Naouri M.D.

Before



Photo courtesy of Michael Naouri M.D.

After 1 session



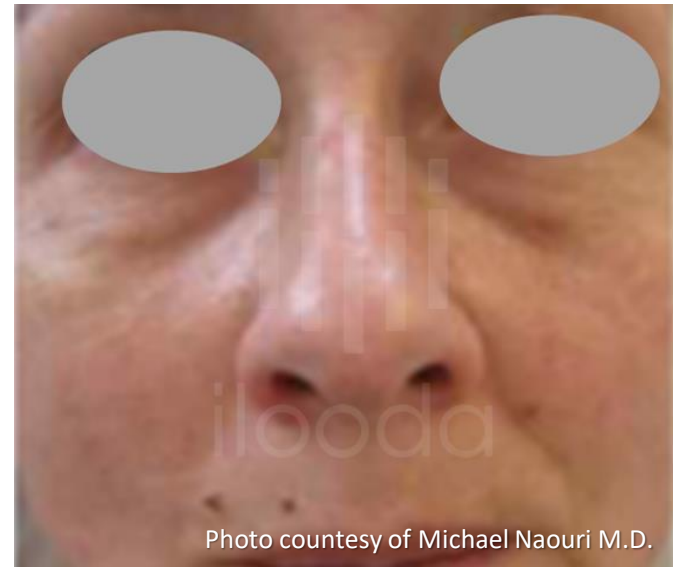
Before



After 3 sessions



Before



After 3 sessions



Before



After 4 sessions



Photo courtesy of Michael Naouri M.D.

Before



Photo courtesy of Michael Naouri M.D.

After treatment



Before



6 months after final treatment



Photo courtesy of Jae-We Cho M.D.

Before



Photo courtesy of Jae-We Cho M.D.

6months after final treatment



Before



After 3rd treatment



Jae-We Cho, M.D., Ph.D.

Department of Dermatology
Keimyung University School of Medicine
Korea

Fractional microneedle radiofrequency, SECRET RF could be an effective treatment for striae distensae, and its combination treatment with fractional CO₂ laser, Fraxis could be a better choice without significant adverse effects.



Rulita Irawan M.D.

Younger Looks Aesthetic and Antiaging Clinic
Tangerang, Indonesia

FRAXIS DUO is the multiplatform laser with short downtime. I usually use the combination treatment of RF fractional and CO₂ fractional for rejuvenation and acne scar suitable for skin type 4 or 5 and minimal erythema post laser.