

fraxis DUO

Microneedle RF & Fractional CO₂ Laser

A Blend of Ablative/Non-Ablative Aesthetic Solutions

More Powerful & Deeper Heating

6 Laser Patterns & Adjustable RF Depths



ParagonCare
Aesthetics





The First Multiplatform to Combine a CO₂ laser and MNRF Technology

FRAXIS DUO combines a fractional CO₂ laser and microneedle RF technology, providing opportunities to treat a large range of face and body indications. It ensures effectiveness while greatly decreasing side effects. It is also easily upgradable to treat more clinical indications.

Indications

FRAXIS DUO™

- Tone & texture
- Pores
- Wrinkles
- Lifting & Tightening
- Acnes & scars
- Whitening
- Resurfacing
- Stretch marks
- Hyperhidrosis

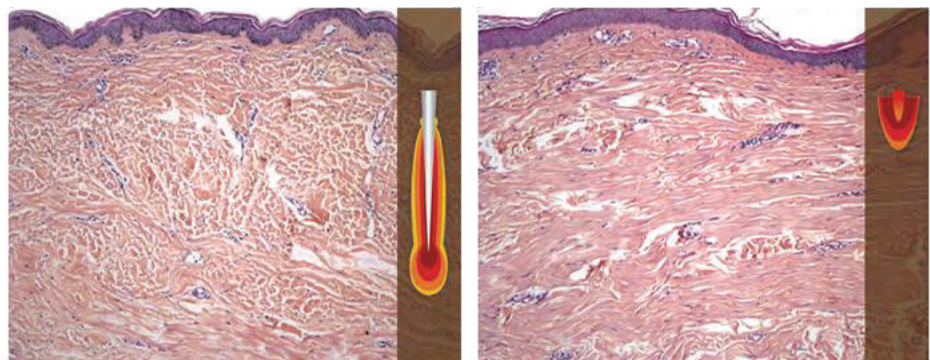
Smart Surgi™

- Lentigo
- Wart
- Freckles
- Small moles
- Blemishes

Technologies behind Ablative & Non-Ablative Duo

The CO₂ laser enables induces superficial stimulation while microneedle RF energy provides deeper and higher thermal energy. This dual technologies, offered with various modes, allow practitioners to select the most effective option for a specific indication and to achieve superior results in scars and wrinkles.

Different Benefits of CO₂ Laser & MNRF (Courtesy of Michael Naouri MD)



6 months after the treatment, microneedle RF energy stimulated collagen and elastin remodeling in all dermis layers (Left). The energy from the CO₂ laser targeted specifically only on the upper layers (Right).

Fractional CO₂ Handpiece

The 30W-based, high-powered CO₂ laser handpiece ensured consistency and stability in beam delivery in a short pulse duration. It performs superior ablative effects in epidermal resurfacing and dermal regeneration. 100 micrometers of the optimum beam size also enables minimal downtime and the risk of PIH while ensuring optimal results.

6 Laser Patterns for Versatile Options

Scan size: 1×1 ~ 20×20mm / Dot distance: 0.1 ~ 2.0mm



Circle



Square



Half Circle



Ellipse

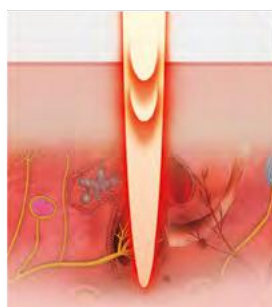


Rectangular



Triangle

CO₂ LASER BEAM PROFILE



I-STACK Mode

The I-Stack Mode is the repetition of stacking modes, providing fractional ablative effects to the deepest layer possible using only lower-level energy. This mode lowers the damage to the surrounding tissues and is suitable for deep acne scars, burn scars, and other depressed scars.

Mircroneedle RF Handpiece

The advanced microneedling technology delivers bipolar RF energy to the varying depths (0.5mm to 3.5mm) with precision. The energy is emitted through the finest, medical-grade needles, increasing efficacy in reducing the signs of photoaging and scars. Furthermore, the extremely light-weight handpiece controlled by the stepping motor allows practitioners to provide comfortable treatments to patients.

- Dimension: 140 × Ø40 (mm)
- Weight: 250 g

MTR-AC-25

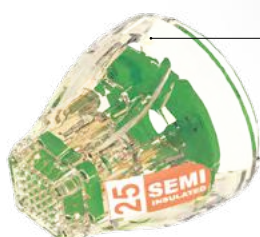
25-pin non-insulated

- Treatment area: 10 × 10 (mm)
- Max output: 25W
- Indication: Lifting, tightening, wrinkles, pores, etc.

MTR-AC-C25

25-pin semi-insulated

- Treatment area: 10 × 10 (mm)
- Max output: 25W
- Indication: Thermal effect on the subcutaneous tissues



MTR-AC-10

10-pin non-insulated

- Treatment area: 0.25 × 18 (mm)
- Max output: 25W
- Indication: Stretch marks, nasolabial folds, and crow's feet





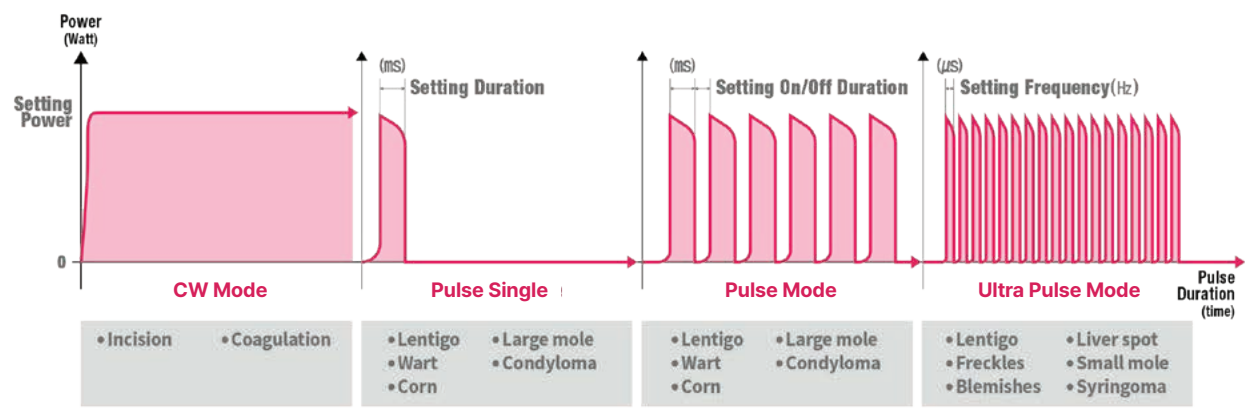
Indication: Small moles, syringomas, freckles, & blemishes

Indication: Lentigo, large moles, condylomas, warts

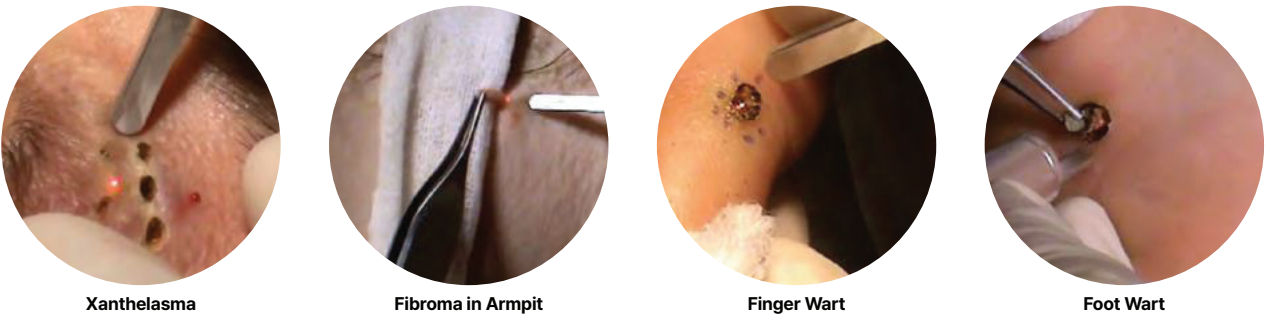
Precise Incisions by Smart Surgi™

The Smart Surgi™ with adjustable spot sizes (0.2mm to 1.3mm) performs fast, cleans, and precise incisions and single coagulation, effectively treating epidermal lesions and allowing more accurate wart treatments.

Pulse Types



Procedures of Smart Surgi™ (Courtesy of Dr. Zdenko Zamboj)



Clinical Evaluation



Michael Naouri, M.D. Acne scars and large pores



Jae-We Cho, M.D. Burn scars



Global KOL



Michael Naouri, M.D.

Dermatology and Laser Center, International Laser Skin Center,
Nogent sur Marne and Paris, France

"FRAXIS CO₂ laser is a benchmark in terms of comfort and predictability for treatment of various benign indications as well as profitability in aesthetic indications. The advantages of the FRAXIS CO₂ laser is its reliability of use, robustness, and power related to its RF emission tube."



Shahid Javaid Akhtar, M.D.

Professor, Head of the Department of Dematology
Punjab Medical College Faisalabad, Pakistan

"I have found the FRAXIS very useful and essential for my clinic, and it has given a big boost to my practice. I would strongly recommend this device to all my colleagues."

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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."

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