

PRODUCTS & SERVICES

PRODUCTS

FRAXIS DUO: THE FIRST CO₂ LASER WITH MICRONEEDLING



FRAXIS DUO FROM CRYOMED IS THE FIRST MULTI-PLATFORM CO₂ LASER COMBINED WITH RF MICRONEEDLING TO HIT THE AESTHETIC MARKET. WORDS BY CAITLIN BISHOP.

It's a partnership of the titans – fractional CO₂ laser combined with micro-needle fractional radiofrequency (RF) - and it is the latest technology to hit the aesthetic arena. By uniting two proven efficacious and applicable technologies in cosmetic medicine, the Fraxis Duo signifies a flexible treatment modality for an ambit of patient concerns.

It affords maximum treatment flexibility and gives superior results, from scars to wrinkles to full facial resurfacing and Hyperhidrosis without the need to purchase additional equipment or consumables.

The Fraxis Duo is manufactured by Ilooda and distributed in Australia by Cryomed. It is the first of its kind of combination therapy with fractional CO₂ laser and Secret

RF (a non-insulated microneedle fractional radiofrequency system) to hit Australia, and has been shown to achieve effective results in treating scars, photo-ageing and striae distensae on the face and body.

Combining the two technologies means both superficial and deeper heating coagulation can be achieved. The CO₂ fractional laser enables intense superficial heating stimulation while the micro-needle fractional RF provides higher volumetric heating and deeper heat diffusion. This caters to a wide spectrum of medical and cosmetic indications, including acne scarring, wrinkles, skin laxity and pigmentation.

Most importantly, on a device that's sure to see a lot of use, the Fraxis Duo is intuitive and easy to use. A 22.8cm colour touchscreen

with a user-friendly interface is designed to complement the intelligently designed arm, which minimises fatigue and allows ease of use in both the Fraxis and Secret RD modalities. Combining the two technologies optimises results for certain indications that require both superficial and deeper heating coagulation. These include:

FACE

- Tone and texture
- Pore size
- Wrinkles
- Skin lifting and tightening
- Acne scars
- Resurfacing

BODY

- Scars
- Stretch marks
- Hyperhidrosis
- Keratosis Pilaris

From a patient's perspective, the Fraxis Duo allows the treatment of all skin types for numerous indications, including acne scars, wrinkles, pigmentation, skin laxity, and poor skin tone and texture. Both superficial and deep stimulation is achieved in the one device, increasing effectiveness and reducing side effects. Safety and comfort are also maximised by delivering energy to the target skin layer without damaging the surrounding tissue.

In short, Fraxis Duo is a single machine with multiple technologies and countless applications.

Clinical effectiveness of Fraxis Duo

A 2013 study¹ investigated the efficacy and safety of combination therapy.

The research involved 30 female participants with moderate to severe striae distensae, aged between the ages of 21 to 51, with Fitzpatrick skin type IV.

Patients were divided into three groups: fractional CO₂ laser only (n = 10), microneedle RF only (n = 10) and combination (n = 10).

Results were gauged using a visual analogue scale (range 1-4). The mean clinical improvement score, as rated by the dermatologist, was 2.2 in the fractional CO₂ laser group and 1.8 in the microneedle RF group. Both these scores differed significantly to 3.4 in the combination group. A skin biopsy was also conducted, which revealed

a thickened epidermis and a clear increase in the number of collagen fibres in the sites treated with the combined approach. This was seen alongside a greater expression of transforming growth factor-1 and stratifin in the skin. **AMP**

¹ Ryu, H., Kim, S., Jung, H. R., Ryoo, Y., Lee, K., and Cho, J. (2013). Clinical Improvement of Striae Distensae in Korean Patients Using a Combination of Fractionated Microneedle Radiofrequency and Fractional Carbon Dioxide Laser. *American Society for Dermatologic Surgery*, DOI: 10.1111/dsu.12268

For more information, call 1300 346 448 or visit <http://cryomed.com.au/>

FRAXIS DUO – NOW WITH LOTUS GYNOLASER

Having a Fraxis Duo in your clinic means it's also possible to provide vaginal rejuvenation treatments – for both vaginal relaxation syndrome (VRS) and urinary incontinence – with only the purchase of a new treatment head.

CO₂ laser is a proven method for improving the symptoms associated with VRS and urinary incontinence. It delivers a thermal effect on the mucosa, helping to regenerate the underlying connective tissue. Treatment time is relatively short (20 minutes) and the patient's downtime is minimal.

The new, vaginal module - developed by Ilooda - attaches to the Fraxis Duo handpiece. It supports three exchangeable tips –

the vulvar tip, urinary incontinence tip and vaginal tip.

The Lotus Gynolaser difference lies in its ease of use and the way it delivers the treatment. Unlike other vaginal rejuvenation lasers, the Lotus Gynolaser has an in-built clicking support fixture, which means it automatically rolls the pillar every 15 degrees. Therefore the practitioner does not have to manually move the handpiece, resulting in greater comfort for the patient. Lotus Gynolaser delivers 100 – 150 micro-meter fractional laser light in micro pulses. The pulsing energy contributes to the treatment's safety profile, and the wavelength is optimum for collagen regeneration.