



MASTER YOUR CRAFT WITH Alma Hybrid™

DESIGNED FOR A WIDE RANGE OF ABLATIVE AND NON-ABLATIVE TREATMENTS, ALMA HYBRID COMBINES THE POWER OF THREE CORE ENERGIES, CREATING A UNIQUELY SYNERGISTIC EFFECT FOR SUPERIOR RESULTS AND DRAMATICALLY REDUCED DOWNTIME.

The Alma Hybrid is the latest technology in light-based energy products and delivers the gold standard in skin rejuvenation and scar treatment. It is a unique medical device that utilises two wavelengths (10,600nm and 1570nm), allowing you the full flexibility in treating a wide spectrum of medical and aesthetic indications.

Alma Hybrid, by Alma Lasers Australia, is the only device of its kind to bring together three technologies – CO₂ fractional laser, non-ablative 1570nm laser and IMPACT for transepidermal delivery – to deliver a unique combination that offers maximum effect with minimal downtime.

The technology has been expertly crafted for a superior patient

experience for skin rejuvenation, skin resurfacing, pigmentation, scar revision, transepidermal delivery and non-surgical blepharoplasty with dramatically reduced downtime.

In addition to the powerful combination of these three core energies, the Hybrid's patented smart grid patterns and intuitive software enables a matrix of options and parameters to ensure customised treatment for each and every patient.

With limitless options and control that extend far beyond standard fractional laser alone, Alma Hybrid enables you to determine every aspect of treatment – for a completely new, never-before-seen concept in skin rejuvenation and scar treatment.



Q&A with Dr Saleem Loghdey

Dermatologist and MOHS surgeon at Integrated Specialist Healthcare, Sydney.

What is your experience working with Alma Lasers Australia in terms of support and quality of products?

Alma Lasers Australia has been a fantastic company to work with. They are very reliable and easy to communicate with. The support from Alma is second to none and if there is on a rare occasion any issues, this is sorted within 24 hours, so my business is unaffected.

Why do you choose to use Alma Hybrid in your clinic? How long have you been using it?

In my practice and over the course of my career, I have used a lot of CO₂ laser systems. The Alma Hybrid has really caught my attention because of the mixed, or hybrid, technology using both ablative and non-ablative lasers and ultrasound to enhance transcutaneous drug delivery. The Alma Hybrid is a very well-designed machine, easy to use, very economical and has an intuitive and streamlined clinical workflow. I have been using the system for six months and my patients are already seeing the benefits.

How does it improve your practice and add value to your clinic?

The Alma Hybrid has multiple modalities on a single system, making it very easy to treat patients for rejuvenation and all types of scars on the one platform.

The versatility of the Hybrid allows me to treat patients comprehensively and holistically on the one platform. It saves space and time and is economical.

Can you briefly explain the mechanism of action of the Alma Hybrid and how this influenced your decision to invest in the device?

The Alma Hybrid combines an ablative wavelength with the CO₂ laser and a non-ablative wavelength with the 1570nm laser. The ablative to non-ablative ratio is customisable. It can even lase sequentially, creating a microthermal ablative channel with the CO₂ and immediately follow this with the 1570nm wavelength in the same channel. The benefit of having the non-ablative and ablative wavelength means the treatments are customisable depending on the patient's indication and skin type. The downtime can also be minimised with these features.

The second aspect that adds a lot of value to my clinic is the IMPACT handpiece. This uses sonophoresis to increase the penetration of cosmeceuticals and topical drugs into the skin.

Instead of having three different types of apparatus or lasers in the clinic, I have a single system which combines all three. The interface is touchscreen and very user-friendly. The clinical workflow



ALL MY PATIENTS ARE LOOKING FOR AN EFFECTIVE TREATMENT WITH THE SHORTEST DOWNTIME AND THE ALMA HYBRID GIVES YOU THAT. 9

is also optimised; there are pre-set parameters but this they can be customised easily as well. A great deal of thought has gone into this technology and it's noticeable in the design of the system as a whole.

What are the biggest advantages of having three technologies of having three technologies – CO₂ 10,600nm, non-ablative 1570nm laser and transepidermal delivery system – in the one device?

The biggest advantage of having three technologies in one is when you are dealing with scars, including surgical scars, traumatic scars, acne scars, stretch marks, etc. For these conditions, you really need those three modalities to treat them effectively. There are multiple studies published on the effectiveness of treating scars with a multimodality approach. The Alma Hybrid allows me to give my patients the best possible outcomes.

How do the three core energy sources work in synergy to deliver superior results while ensuring low downtime?

Because you are using two different wavelengths, the mechanism of action of each is significantly different. The CO₂ results in ablation, whereas the 1570nm results in coagulation. The chromophore is manipulated in a different way, so you can target elastin and collagen and you can also ablate the epidermis. By combining the two wavelengths together, you can target each of these components with less energy and less aggressive settings, which will reduce downtime but still give you a good effect.

Having the ability to change the ratio of the wavelengths and lasing

pattern allows me to tailor the treatment to each individual patient. The more you can customise the treatment to the needs of the patient, the better the result.

What are the most common Alma Hybrid treatments you perform?

The most common treatments I perform with the Alma Hybrid are probably the low-downtime rejuvenation treatments and scar revision. These include treatments for fine lines, wrinkles, skin laxity and then also various scars, including acne scars, traumatic scars, surgical scars and stretch marks.

How do you use Alma Hybrid to manage hypertrophic scars?

To manage hypertrophic scars, I will often use the Scanning and IMPACT handpiece in combination. The Scanning handpiece will first be used to make various channels into the scar tissue. Once I have created the microablative channels I will use the IMPACT for laser-assisted drug delivery. I normally use corticosteroids and 5-Fluorouracil which improves the scar tissue.

The coagulative zones created with the 1570nm – which can penetrate relatively deep – when paired sequentially with the CO₂ act as a slow-release reservoir for drug release. The combination wavelengths and transepidermal drug delivery system definitely enhances the delivery of these drugs and delivers the topicals to where they need to be for maximum result.

Can you explain how HyGrid works? How does it enable you to further customise treatment? The HyGrid will allow you to alter

the ratio of non-ablative to ablative laser. For example, you can have a 50-50 split, where half the energy emitted is CO₂ and the other half is 1570nm. If you want to reduce the aggressiveness of the treatment and hence downtime, you can increase the ratio of 1570nm to CO₂.

Again, these options will allow you to tailor to your patient's specific needs. There is no one-fits-all approach when doing laser treatments. For example, if you have a patient with a darker skin type, you will be using less of the ablative laser and more of the non-ablative laser to maximise results and minimise post-operative complications.

Who would this device suit?

The Alma Hybrid will suit any practice that is treating patients for rejuvenation or scarring and any practice that uses ablative lasers such as CO₂. This is an ideal device for dermatologists, plastic surgeons and cosmetic physicians. It's for practitioners who want to enhance and maximise their practice. If you are going to be treating scars, you need to be using a laser-assisted drug delivery system and the sonophoresis on the Hybrid is perfect for that.

What has patient feedback been and what results are you seeing?

My patient feedback has been very positive and I am seeing great results. Patients have noticed their downtime is minimal and that treatments are less painful. This may be because of the integrated cooling tip which is quite a unique feature on a CO₂ system. All in all, I've received favourable feedback with the Alma Hybrid and look forward to continuing to implement it in my practice.

The Alma Hybrid Advantage

1. Patented HyGrid mode

Customisable and versatile combination of 10,600nm and 1570nm wavelengths for an effective treatment with reduced downtime and excellent safety profile.



Examples of custom lasing ratios
● -1570 laser ● - CO₂ laser

2. Gold standard

4mm penetration depth for ultimate scar revision.



Parameters: CO₂: 60W, 4msec 1570: 6W, 1msec

3. iTED technology

Patented ultrasound technology (IMPACT) for transepidermal delivery to enhance absorption of cosmeceuticals.



ALA + iPixel CO₂ Laser ONLY – low porphyrin distribution
ALA + iPixel CO₂ Laser + IMPACT – high porphyrin distribution

Photos depicts fluorescence microscopy of iPixel CO₂ laser microscopic single ablative channel. Courtesy: Jill Waibel, MD, Miami Dermatology and Laser Institute. Carlos Noursari, MD, Institute for Immunofluorescence Miami, USA

4. Treatment versatility

Offers ablative, non-ablative, and combination technology for customised skin rejuvenation, skin resurfacing, pigmentation, scar revision and precise surgical procedures.

5. Maximised workflow

Smart enhanced optics reduce the need to change applicators.

6. High quality

Designed with the practitioner and patient in mind using only the highest quality material.

Why would you recommend Alma Hybrid over competitor devices: a. to your patients; and b. to practitioners?

All my patients are looking for an effective treatment with the shortest downtime and the Alma Hybrid gives you that. It also allows the treatment to be customised to each individual for maximal results. For practitioners, I believe this is the most advanced ablative and non-ablative laser available on the market and if you want to treat scarring or target rejuvenation, this laser makes the most sense. The team at Alma Lasers Australia are also very easy to work with so I can focus more of my time on treating my patients and growing my practice. AMP



BEFORE

AFTER

For more information about Alma Hybrid, contact Alma Lasers Australia on 02 8339 4791 or visit alma-lasers.com.au