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# AESTHETIC

GUIDE™



## Novel Wavelength Advances Skin Resurfacing

Even at the peak of ablative carbon dioxide (CO<sub>2</sub>) skin resurfacing, the aesthetic medicine market continued to seek a safer, less aggressive alternative that wouldn't sacrifice results for downtime. The advent of non-ablative fractional technology revolutionized resurfacing treatments. This led to a rapid progression of similar hybrid devices combining ablative and fractional technology in the hopes of achieving improved efficacy with less downtime. Cutera, Inc. (Brisbane, Calif.) is taking it one step further with the introduction of an alternative wavelength – the 2790 nm YSGG (Yttrium Scandium Gallium Garnet) – which was engineered to provide a perfect compromise between ablation of tissue and collateral thermal effect, the two main factors contributing to superior results.

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**Procedure Motivations**  
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# Alma Lasers' Fractional Technology Restores Outdated Systems

By Bob Kronemyer, Associate Editor



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"Typically only very deep lines do better with traditional CO<sub>2</sub>, but by using fractional technology, you can avoid many of the complications associated with traditional CO<sub>2</sub> treatments."

With the introduction of their Pixel CO<sub>2</sub> Omnifit handpiece, Alma Lasers (Buffalo Grove, Ill.) has granted new life to old carbon dioxide (CO<sub>2</sub>) lasers. Physicians can now dust off those antiquated CO<sub>2</sub> lasers and begin performing today's more popular fractional resurfacing procedures.

"You simply need an adapter to attach the Pixel Omnifit handpiece," explained Greg Keller, M.D., a facial plastic surgeon in private practice in Santa Barbara, Calif. and an associate clinical professor and co-director of the Facial Plastic Surgery Fellowship at UCLA (Los Angeles, Calif.).

According to Dr. Keller, "The main attraction to fractional technology over non-fractional technology is the much shorter recovery period." In addition, "I do not know of anyone who has encountered hypopigmentation or severe dyschromias with these treatments." Dr. Keller also likes that fractional procedures can be performed on areas such as the neck, arms and chest – areas that are not suitable for bulk ablative resurfacing.

"All my patients are happy," Dr. Keller observed. With one treatment session, "patients can see significant improvement in fine lines, wrinkles and acne scars. I think the Pixel CO<sub>2</sub> Omnifit will rehabilitate the skin just fine. As well, it is just as good for acne scarring as traditional CO<sub>2</sub>. I also think results are comparable for superficial lines, particularly around the eye. Typically only very deep lines do better with traditional CO<sub>2</sub>, but by using fractional technology, you can avoid many of the complications associated with traditional CO<sub>2</sub> treatments."

Surprisingly, the amount of downtime with the Pixel Omnifit is similar to that of a sunburn. During routine telephone follow-ups conducted by Dr. Keller's staff, eight patients treated with the Pixel CO<sub>2</sub> Omnifit were surveyed. "They described the pain as 2 to 3 out of 10," he reported. "Patients also felt comfortable being in public after two to three days, while looking a little sunburned. Within six to seven days total, patients felt they were absolutely back to normal."

According to the study, the improvement level among sun damaged individuals was generally rated about a 4.5 to 5 on a scale of 1 to 5. For fine lines, improvement was rated 2 to 3 with one pass, but jumped significantly to 4.5 with two passes. Furthermore, all patients stated they would undergo the Pixel procedure again and would enthusiastically recommend it to friends.

"You may have heard other companies say that with fractional devices you are limited to the amount of power you can use. But, in fact, you're able to use more power with the Pixel Omnifit – up to 100 watts," Dr. Keller said. He also noted there are fewer moving parts that can break down. Unlike mechanical scanners, which direct the beam in a pattern and have numerous moving parts, the Pixel handpiece uses holographic optics, which split the entire beam optically without any moving parts.



**PIXEL® CO<sub>2</sub>**  
**OMNIFIT**

Fractional CO<sub>2</sub> Handpiece

## FRACTIONAL RESURFACING

# at a fraction of the cost

*...and a fraction of the patient discomfort & down time.*

**Upgrade your CO<sub>2</sub> laser** to state-of-the-art fractional ablative capabilities with the Pixel® CO<sub>2</sub> OMNIFIT handpiece from Alma Lasers. Fractional resurfacing delivers high-quality results and eliminates the traumatic side effects often associated with CO<sub>2</sub> resurfacing. And if you compare the costs, you'll find the Pixel CO<sub>2</sub> OMNIFIT is tremendously more affordable than replacing your CO<sub>2</sub> laser.

### AN INVESTMENT THAT MAKES SENSE.

The Pixel CO<sub>2</sub> OMNIFIT handpiece contains a revolutionary, precision optical assembly and advanced engineering that allows it to transform any resurfacing laser into a fractional system. It's an economical solution that extends the useful life of your current equipment and rapidly earns back your upgrade investment – all while offering a far more desirable treatment to your patients.

- ▶ Adapts to Nearly Any CO<sub>2</sub> Laser
- ▶ Short Learning Curve
- ▶ Low Risk of Complications
- ▶ No Consumables
- ▶ Minimal Patient Down Time

The Pixel CO<sub>2</sub> OMNIFIT is your fastest, easiest and least expensive path to fractional resurfacing. Contact us TODAY to request a free demonstration.

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