sandstone™ Cortex™

CO_2 and Er:YAG Laser

Sandstone™ Cortex™ is the practical solution for your clients' skin resurfacing needs.

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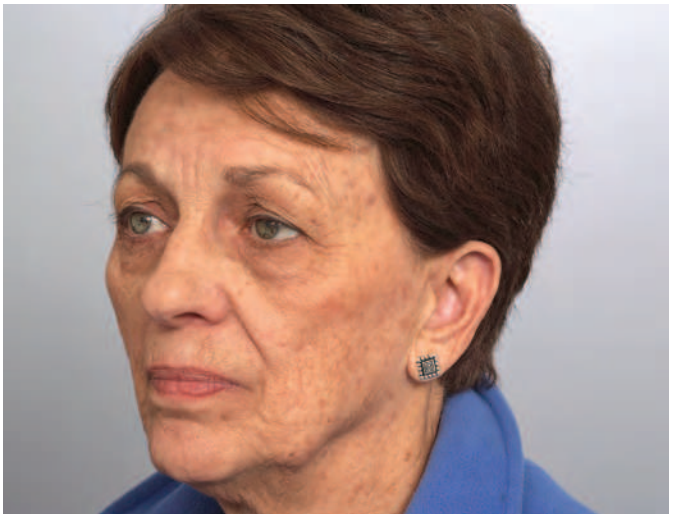
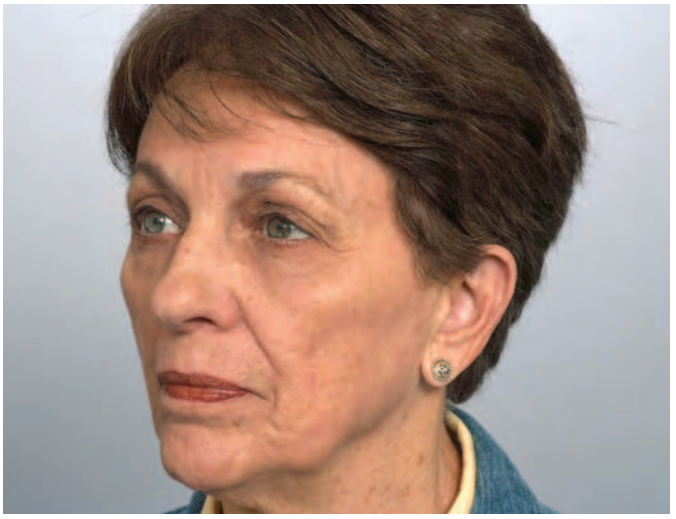
The Sandstone™ Cortex™ dual wavelength complete skin resu

Only the Sandstone Cortex System provides access to both ablative wavelengths most often used for laser skin resurfacing: CO_2 for deep, effective resurfacing for remarkable outcomes, and Erbium YAG for superficial resurfacing, an effective alternative to peels. No other system provides the flexibility of treating patients using CO_2, Erbium or both.



Before



After

Photos courtesy of Harrison Putnam, MD

Multiple Laser Settings

Fractional CO_2: select the pattern, size, duration and density to fit each patient's needs.

Erbium YAG: select desired energy and pulse rate for precise superficial resurfacing.

"The dual heads (both Erbium and CO_2) and the pricing of the Cortex System were very compelling. So far, I have found it intuitively easy to operate. Patients are very comfortable post-procedure, and the recovery is pretty easy, which is a big plus."

—Dr. Heidi Worth, MD

Surgical Capability

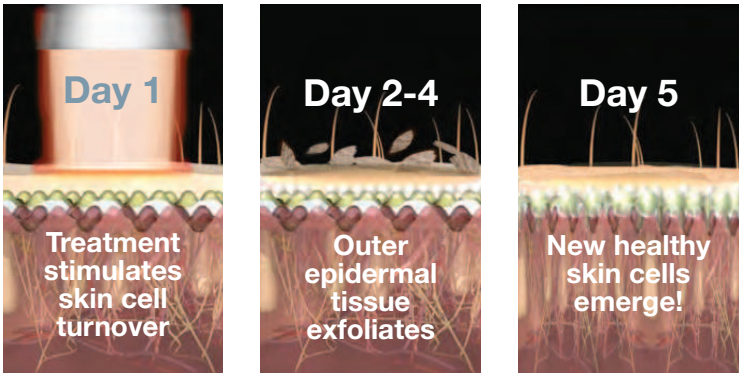
The included surgical handpiece provides small, precise excisions with excellent hemostasis.

No Disposables

Sandstone Cortex has the lowest cost of ownership of any equivalent device in the industry, including the value pricing of the unit itself and low service costs.

rfacing workstation provides the ultimate value to your practice.

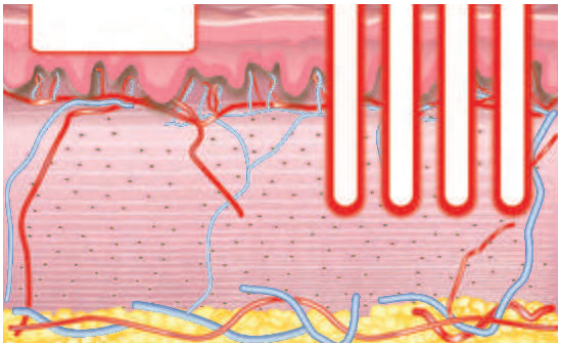
Extended Ablation Technology



Er:YAG & CO_2 Tissue Effects

Ablative Resurfacing
(2,940nm Er:YAG)

Fractional Ablative Resurfacing
(10,600nm CO_2)



Erbium YAG
(superficial resurfacing)

CLINICAL USES
- Superficial Skin Resurfacing
- Fine Lines & Wrinkles
- Micro-Laser Peels

CO_2 Fractional
(deep resurfacing)

CLINICAL USES
- Moderate Lines & Wrinkles
- Benign Pigmented Lesions & Dyschromia
- Acne Scars
- Skin Texture Flaws
- Deep Skin Resurfacing

Extended Ablation Technology

Slightly longer pulse durations facilitate excellent results in an easily-controlled, superficial resurfacing system. Provides a low-downtime alternative to chemical peels, from light fruit acids (AHA) to moderate effect TCA peels.

The Er:YAG wavelength (2940nm) can generally be used without anaesthesia and on regions of the body that cannot be treated safely by many other resurfacing protocols, such as the back of the hands and peri-orbital areas.

Flexible Delivery of Energy

The lightweight ergonomic handpiece means less operator fatigue and less device repositioning to reach target areas.

High Repetition Rates (up to 10Hz) & Multiple Spot Sizes

High repetition rates allow faster treatments and quicker turnaround of the treatment room. The available spot sizes include 1.5, 3, and 6mm.

Before **After**

Photos courtesy of Ben Light, MD

Proven CO_2 Technology

CO_2 technology has over forty years of clinical documentation for use as a very reliable medical device.

Fractional Treatment Modality

Treatment with Sandstone™ Cortex™ fosters faster healing (shorter downtime) than traditional CO_2 fully ablative treatments with equivalent, remarkable results.

Versatile Scanner

Choose from five shapes and six density options for 13–95% coverage. The 150 micron spot size enables treatment depths from 100–750 microns.

Flexible Treatment Options

Flexible treatment options allow treatment of a wide variety of conditions, from a small area of persistent dyschromia to a full-face resurfacing, and from deep perioral lines to fine periocular wrinkles.

How To Order

MiDiBen Medical
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Visit ellman.com to learn more about the Cortex™ CO_2 and Er:YAG Laser and Ellman International.

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CO_2 and Er:YAG Laser

Cortex CO_2 Laser and Erbium Laser Work Station Specifications

Modality	CO_2	Er:YAG
Wavelength	10,600nm	2,940 nm
Spot Size	150 microns	1, 3 & 6mm
Laser Mode	TEM00	N/A
Power/Fluence to Tissue	Up to 40 watts	Up to 8.5 J/cm^2
Tissue Exposure Modes	Continuous, Single Pulse, Repeat Pulse	N/A
Peak Power	Up to 200 watts	1000mJ
Aiming Beam	3mW (650nm diode) Adjustable	None
Delivery System	7-Joint Articulated Arm	Direct
Pulse Duration	0.2 to 6.0 milliseconds	300 microseconds
Scan Density	13–95%	N/A

Cooling System	Closed Loop
Electrical	110/220VAC, 50/60Hz
Dimensions	36cm x 46cm x 145cm

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