



DUALMODE

FRACTIONAL
RESURFACING LIKE
YOU'VE NEVER SEEN



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Meet the next generation of Er:YAG LASER that combines, thanks to its exclusive DualMode® technology, indications of ablative and coagulative treatments in the same shot. The concept in LASER technology that brings the real power of fractional resurfacing to your clinical practice.

SUPERIOR RESULTS WITH DUALMODE® TECHNOLOGY.

The double-pulse (stacking) with vaporization and coagulation in one shot increases the formation of RTD on the treated tissue. RTD (RESIDUAL THERMAL DAMAGE) stimulates the contraction of collagen at depth and provides improvement over time with fewer treatments.

The principle of RTD formation by DualMode® technology matches the beneficial results achieved with CO₂ LASERs - however, due to the inherent characteristics of the technology, downtime and the risk of complications are much lower.

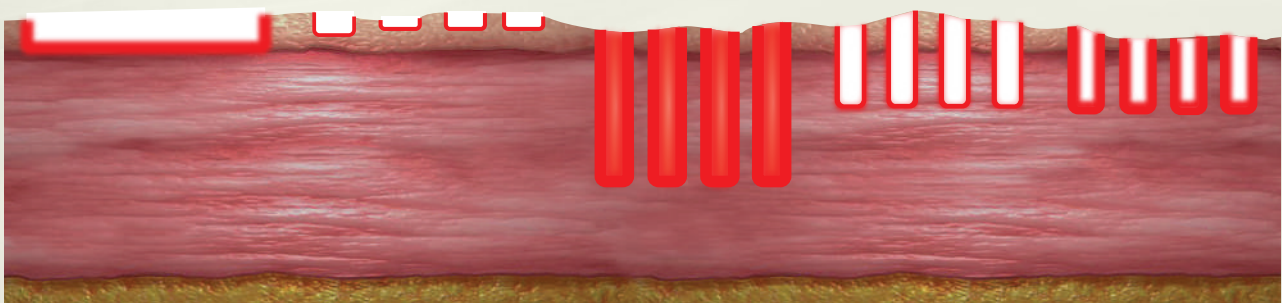
Resurfacing
Ablativo
(CO₂ e Er:YAG 2940 nm)
10-200 µm

Resurfacing Fracionado
Ablativo Superficial
(CO₂ e Er:YAG 2940 nm)
10-70 µm

Resurfacing Fracionado
Não-Ablativo
600-1000 µm

Resurfacing Fracionado
Ablativo
100-300 µm

Resurfacing Fracionado
Ablativo e Coagulativo
(CO₂)
100-300 µm



The combination of the ablative and coagulative pulses of the DUALMODE® system increases the RTD and the consequent direct stimulation of LASER on collagen. In the picture above, the intensity of the coagulation is demonstrated with different secondary pulse widths (levels 1, 2 and 3).



THE POWER OF ERBIUM AT HIGH ENERGIES.

The high absorption of LASER energy at 2940 nm associated with purely ablative shots (300-500 μ s) results in controlled superficial treatments with minimal downtime. A versatile design, that can enhance many indications when used in combination with other technologies, improving

the results and increasing patient satisfaction. Indicated for the treatment of fine wrinkles and sun spots, this technology removes the top layer of the skin with extreme precision and effectiveness, improving texture and renewing the damaged tissue.

A NEW OPTION COMPARED TO CO₂ LASER.

When compared to the CO₂ LASER, the fractional Er:YAG LASER offers very safe and effective treatments, with a lower risk of complications and adverse effects, in addition to reduced downtime

and rapid improvement post-treatment. Published studies indicate Er:YAG treatment for non-facial areas with the same safety, benefits and efficacy as CO₂.

BEST RESULTS WITH A SOPHISTICATED OPTICAL SYSTEM.

A new optimized system of micro-fractionation of the LASER, generates smaller beams with higher energy concentration, and increases the relative irradiance of the DualMode shot and thus achieving greater depth of penetration and reduced the risks

of post-inflammatory hyperpigmentation due to the generation of border necrosis. As with LASER CO₂ systems, DualMode now boasts improved safety and better results through a much more accurate beam.

VERSATILE LIKE YOU HAVE NEVER IMAGINED.

With fractional lenses at 100 and 400 mtz widely varying pulse durations - from 300 us to 5 ms - and repetition rates up to 5 Hz, DualMode® allows for a combination of treatments with different levels of aggressiveness.

LASER PEEL IN LESS THAN 1 MINUTE.

With frequencies up to 5 Hz in SingleMode, the ETHEREA-MX DualMode technology offers a treatment with increased speed for a surface LASER peel, as well.

INLIFT® FOR LASER LIFTING AND SKIN TIGHTENING

DualMode® InLift® adds a new intraoral treatment option for the ETHEREA-MX® platform with a new indication of tightening with a lifting effect through the power of LASER technology. DualMode InLift adds a virtually painless, no downtime, safe and highly effective treatment that expands the range of indications for the ETHEREA-MX® platform.



ATHENA® INTIMATE LASER TREATMENT

DualMode® ATHENA® is a revolutionary treatment method that promotes the improvement of women's health in the postmenopausal phase, acting with precision, safety and efficacy in the treatment of vulvovaginal atrophy, vaginal dryness and the fight against urinary incontinence. ATHENA also offers a procedure:

- minimally invasive and almost painless;
- safe with a broad range of parameters;
- maximum accuracy through DualMode® technology;
- no downtime;
- guaranteed patient satisfaction, and proven results;
- a quick procedure, lasting about 30 minutes;





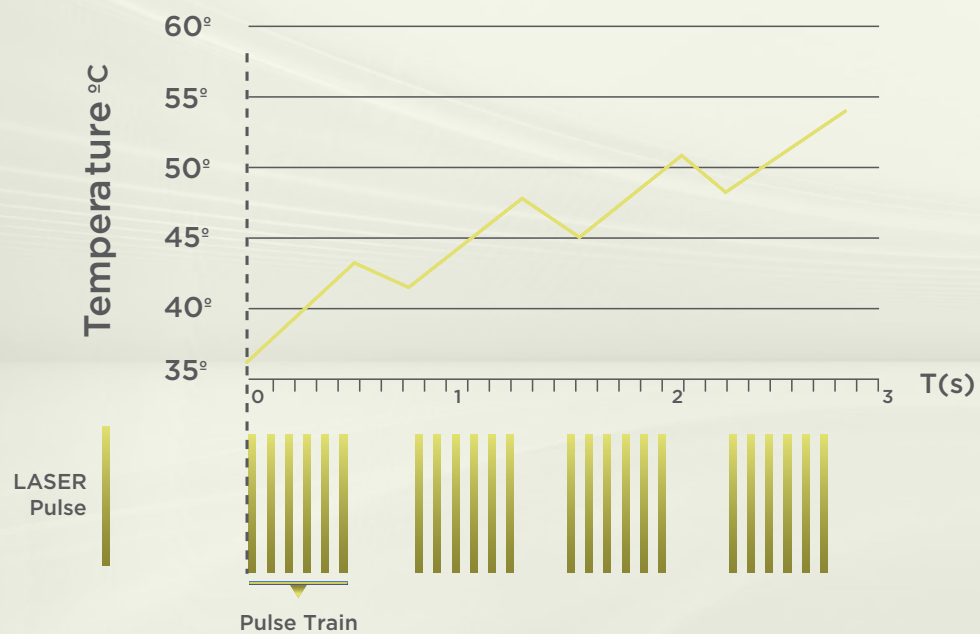
The ATHENA® DualMode® handpiece was designed for wide usability, with 2 different models that can perform all the indications related to the procedure:

ATHENA®90+

Fractional handpiece, with angular emission at 90°, indicated mainly for the treatment of urinary incontinence in genitourinary syndrome of menopause.

ATHENA®360

Fractional handpiece, with emission at 360°, is indicated for the treatment of vulvovaginal atrophy and dryness of the vaginal canal, returning natural lubrication to the region.



The unique microprocessed pulse beam delivery mode, coupled with the extended beam system, favors the formation of the extended and controlled thermal effect of the tissue, thus reducing the potential ablative damage inherent to the wavelength. The objective of ATHENA® treatment is to deliver energy homogeneously in the tissue, inducing progressive heating of the region in order to stimulate contraction of the local collagen and thus induce the tightening effect.

TECHNICAL SPECIFICATIONS

	DUALMODE®
LASER WAVELENGTH	80058580021
AVAILABLE SPOT SIZE	Ø 8 mm, 400 mtz/cm ² fractional lens array Ø 8 mm, 100 mtz/cm ² fractional lens array Ø 2.5 and 6* mm collimated lensing INLIFT® for introoral laser treatment
AVAILABLE ACCESSORIES	ATHENA90+, ATHENA360 fractional lens array & collimated lensing
MAXIMUM ENERGY	8 J
PULSE WIDTH	300 µs to 400 ms
INTEGRATED COUPLING PLUG SYSTEM	smoke evacuator sytem adapter available
REPETITION RATE	up to 5 Hz

This product may not be available for sale in all countries. Please contact us with any questions about this subject. VYDENCE® reserves the right not to sell the product in countries where it has no authorized distribution and/or legal certification by the relevant regulatory agencies.

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