

Combining ETHEREA's 1340 ProDeep and 2940 DualMode Improves Results



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Before Tx



After 1340 ProDeep and 2940 DualMode combination Tx

Photos courtesy of Valeria Campos, M.D.

By Ilya Petrou, M.D., Contributing Editor

ETHEREA from INDUSTRA Technologies (São Carlos, São Paulo, Brazil) has made its mark in cosmetic surgery as a versatile, expandable treatment platform designed to address a broad range of aesthetic indications from a single workstation. Separately, each laser and light modality is proven to achieve remarkable outcomes safely and efficiently; however, a combination of technologies can lead to improved results that rival other devices.

In addition to the state-of-the-art IPL-Sq, intenseIR and 1064 LongPulse Nd:YAG technologies, ETHEREA is also equipped with the 1340 ProDeep fractional Nd:YAP laser and the 2940 DualMode fractional Er:YAG laser. According to Valeria Campos, M.D., a dermatologist in Jundiai, Brazil, the 1340 ProDeep fractional non-ablative laser is unequalled in the treatment of wrinkles, textural irregularities, striae, as well as acne and surgical scars.

"The 1340 ProDeep has a greater laser penetration depth in the tissue, ensuring an even deeper treatment action, compared to other devices and technologies," Dr. Campos explained. "The wavelength penetrates twice as deep as most non-ablative lasers on the market, achieving an improved treatment efficacy throughout the targeted skin layers."

The 2940 DualMode ablative skin resurfacing laser simultaneously delivers double pulses of both hot and cold erbium fractional ablation and coagulation, increasing residual thermal damage (RTD) in the tissue while improving direct and deep collagen stimulation. Dr. Campos noted that compared to traditional CO₂ technology, treatments with the novel DualMode result in fewer complications and adverse effects, improved safety, quicker downtime, and less pain for patients.

Dr. Campos pointed out that blending different laser and light modalities is common practice in aesthetic medicine, as varying technologies can better address different aspects and levels of the skin. ETHEREA offers a unique treatment with its 1340 ProDeep and 2940 DualMode laser handpieces, which in Dr. Campos' experience results in improved aesthetic outcomes.

"The combination of these two laser technologies allows me to apply two different wavelengths in the same treatment session. Using a pure, non-ablative fractional laser before a dual-pulse ablative and coagulative fractional laser not only improves treatment efficacy but also allows me to more effectively target and improve the effect on different tissues, all from one device," Dr. Campos stated.

For skin surface treatments with the Er:YAG, Dr. Campos explained that the high water absorption coefficient of the laser at a wavelength of 2940 nm, together with single ablative pulses (300 to 500 μ s), will result in a superficial and controlled treatment of the targeted area, while keeping downtimes to a minimum.

Dr. Campos also noted that the unique synergy of the 1340 ProDeep and the 2940 DualMode results in improved collagen contraction in targeted areas, an effect that can be beneficial for patients that require a more refined and individualized treatment of mild-to-moderate wrinkles and/or atrophic scars.

"This distinct combination allows for effective and precise removal of the superficial layers of skin, significantly improving fine wrinkles, sun spots and skin texture, as well as renewing damaged tissue, resulting in an intense, total facial rejuvenation," Dr. Campos said.