

ETHEREA's 2940 DualMode Laser Handpiece Rivals Established Competitors



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Before Tx



After EtHEREA 2940 DualMode Tx

By Ilya Petrou, M.D., Contributing Editor

According to Alexandre Filippo, M.D., a dermatologist in private practice in Rio de Janeiro, Brazil, ETHEREA's 2940 DualMode laser handpiece from INDUSTRA Technologies (São Carlos, São Paulo, Brazil) has proven to be very effective in skin rejuvenation treatments, achieving significant tightening, which results in excellent outcomes that rival other devices in its class.

The evolution and fine tuning of Er:YAG laser technology has resulted in state-of-the-art aesthetic devices that can treat a wide variety of indications. In Dr. Filippo's opinion, "modern fractional ablative skin resurfacing can be best achieved with 2940 DualMode technology, which proves to be ideal in the treatment and improvement of fine wrinkles, dyspigmentation, skin texture, acne and post-surgical scars, keratoses and verrucae, as well as the renewal of aging and photodamaged skin."

ETHEREA's 2940 DualMode handpiece represents a new generation of Er:YAG technology. This novel laser combines hot and cold erbium, producing double pulses that can achieve both fractional ablative and coagulative effects simultaneously. Dr. Filippo feels that this novel combination increases residual thermal damage (RTD) in the targeted tissues while directly stimulating fibroblasts, resulting in subsequent neocollagenesis.

For Dr. Filippo, "the results achieved with fractional ablative skin resurfacing treatments using the DualMode laser handpiece are truly remarkable. Compared to CO₂ laser technology, the innovative 2940 DualMode allows me to perform safer fractional skin resurfacing treatments with less pain, fewer complications and side effects, while keeping downtime to a minimum."

Dr. Filippo also noted that the 2940 DualMode handpiece is very reliable, particularly in regards to delivering controlled ablation and / or tissue coagulation. "This superior control results in safer procedures and improved efficacy in both skin tightening and surface laser peel treatments." Dr. Filippo often chooses this handpiece for patients seeking more aggressive treatments, without having to be concerned about the adverse events often experienced with other fractional ablative systems.

The DualMode handpiece offers three treatment modalities including an ablative pulse ranging from 300 to 500 μ s in width, a coagulative pulse (pulse width greater than 1 ms), and a DualMode with both ablative and coagulative pulses (first and second pulse, respectively), the latter of which provides more aggressive effects than any of the single pulse modes.

"In contrast to other devices, the ETHEREA platform with the 2940 DualMode laser handpiece offers practitioners the perfect synergy between fluence, pulse width and frequency," Dr. Filippo advised. "This synergy translates into unique treatment versatility, allowing me to effectively and efficiently address a range of aesthetic indications with excellent outcomes and responses."

Dr. Filippo determines the treatment protocol based on the patient's indications, goals and the penetration depth of the laser energy. "We usually improve outcomes and skin response by adding other technologies during the treatment session such as ETHEREA's 1340 ProDeep handpiece, MultiWaves or light-emitting diode therapy, to assist and expedite recovery post-procedure," he said.