

# Indication

## Aesthetic surgical

- Aged spots -
- Solar lentigines -
- Freckles -

## Aesthetic fractional

- Acne scar
- Wrinkle
- Large pore
- Skin resurfacing
- Stretch mark
- Skin tightening
- Laser peeling
- Skin rejuvenation

# ERICA

Ultra & Long-pulsed Er:YAG Laser

# Technical specification

|                                                         |                                                                                                                                                                                     |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Laser Type                                              | Ultra- & Long-pulsed Er:YAG                                                                                                                                                         |
| Wavelength                                              | 2940 nm                                                                                                                                                                             |
| Pulse Duration<br>Pulse Energy (Max)<br>Repetition Rate | Ultra pulse: 250 us / 50-1500 mJ / 3-10 Hz<br>Short pulse: 350 us / 50-1400 mJ / 3-10 Hz<br>Middle pulse: 600 us / 50-1200 mJ / 3-7 Hz<br>Long pulse: 1000 us / 50-1000 mJ / 3-5 Hz |
| Spot Size                                               | Standard handpiece: 1-7 mm<br>Fractional handpiece: 10 mm (optional)                                                                                                                |
| Electrical Requirements                                 | AC 220 V, 50/60 Hz                                                                                                                                                                  |
| Dimension (W*L*H)                                       | 900 mm (W) X 450 mm (L) X 810 mm (H)                                                                                                                                                |
| Weight                                                  | 95 Kg                                                                                                                                                                               |

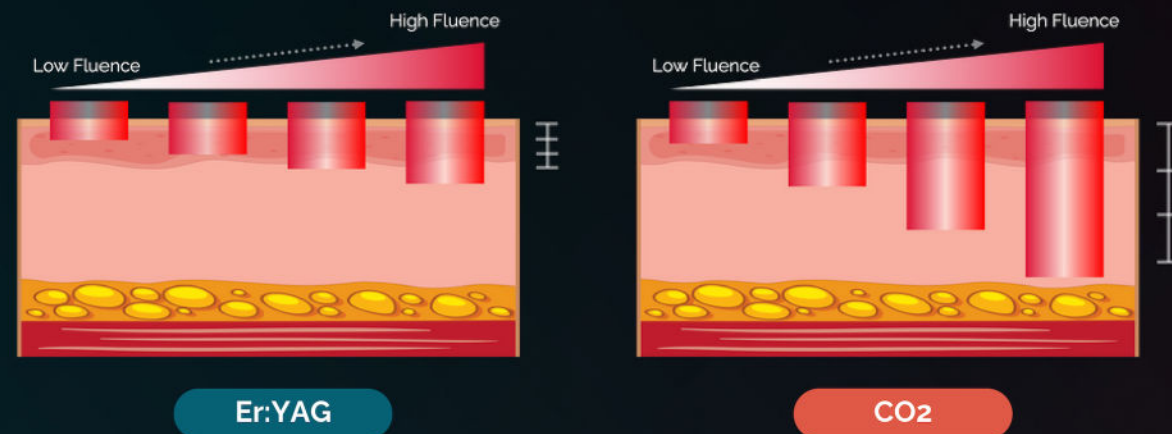
ERICA is an ultra- and long-pulsed Er:YAG laser with a wavelength of 2940 nm for the treatment of epidermal and upper dermis skin concerns such as aged spots, scars, wrinkles, and more.

It stands out for its versatility, featuring four distinct modes – Ultra-, Short-, Middle-, and Long-pulsed modes for precision ablation, along with a dedicated Long-pulsed mode for skin remodeling.

ERICA is a powerful tool to address a spectrum of skin concerns, providing patients with effective solutions.

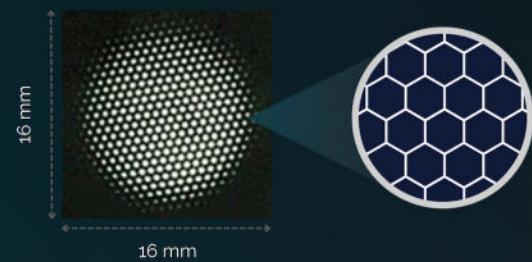
## Precise penetration depth control

In contrast to wavelengths with lower water absorption rates, the 2940 nm wavelength allows for more precise control of penetration depth. This precision allows for tissue ablation to be accomplished in very thin, layer-by-layer increments.



## Fractional skin rejuvenation

The fractional handpiece equipped with a hexagonal fractional lens produces a grid of 360 micro-spots with exceptionally high intensity for fractional skin rejuvenation.



### 2940 nm

Precise penetration depth control

### 4 pulse modes

Ultra / Short / Middle / Long

### Fractional HP

Fractional skin rejuvenation

## 4 pulse modes: Ultra / Short / Middle / Long

Various pulse durations lead to distinct tissue reactions in the skin. For instance, shorter pulse durations result in more concentrated coagulation within a limited area of tissues. Conversely, longer pulse durations produce less intense coagulation but cover a broader range of tissues.

### Ultra

250 us

### Short

350 us

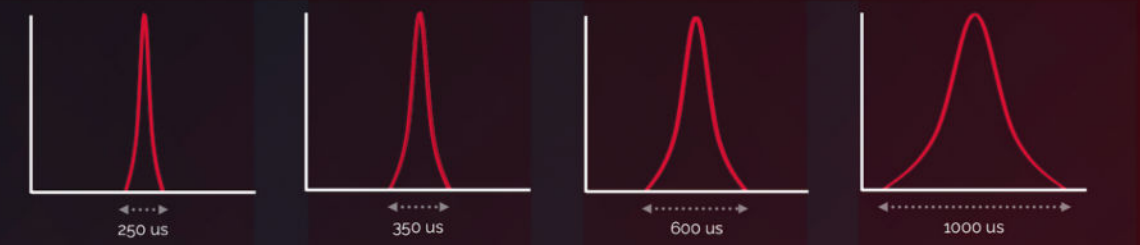
### Middle

600 us

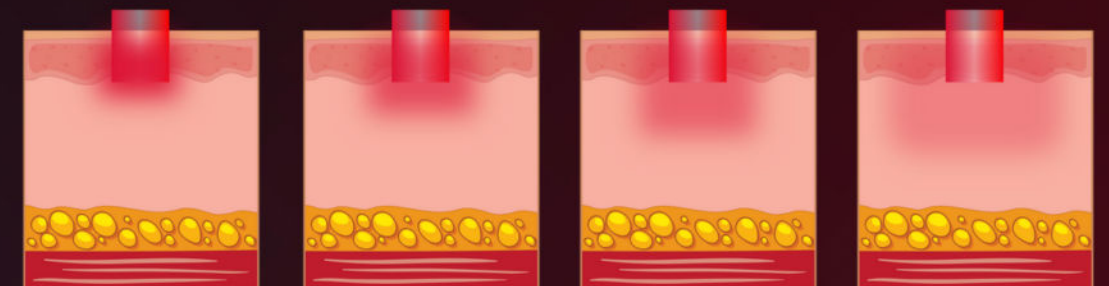
### Long

1000 us

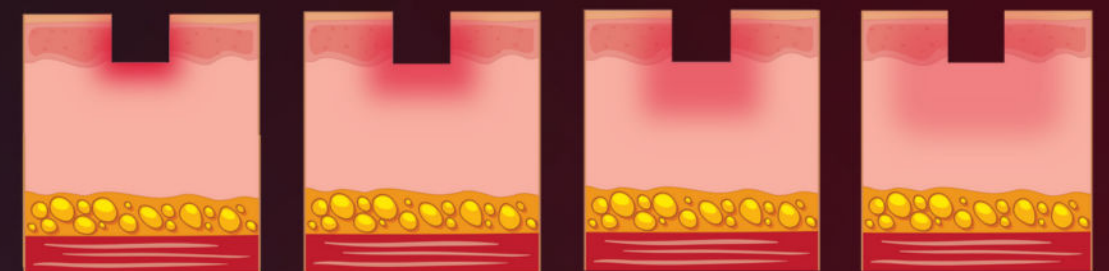
Pulse duration



During laser delivery



After laser delivery



Coagulation intensity ↑↑  
Coagulation area ↓↓  
Bleeding ↑↑

Coagulation intensity ↑  
Coagulation area ↓  
Bleeding ↑

Coagulation intensity ↓  
Coagulation area ↑  
Bleeding ↓

Coagulation intensity ↓↓  
Coagulation area ↑↑  
Bleeding ↓↓