

# One Step to a Fractional System



## BURANE II / BURANE XL - II

The Universal Er:YAG Laser System for Classic Aesthetic Applications

### Handpieces FX4 and FX12 for BURANE XL - II

The FX4 and FX12 handpieces transform BURANE XL - II into a fractional laser system. Only microscopically small areas of the skin surface are ablated, with adjustable depth between less than 50 µm and 1 mm. The ideal balance of ablated and non-treated tissue makes this treatment especially gentle and speeds up the healing process. Depending on the indication, you can choose between treatments in fractional Ablative Mode or fractional Combination Mode, which additionally induces heat in the deeper skin layers, stimulating collagen neo-synthesis. Optimal indications for the fractional laser system are gentle skin rejuvenation of smaller areas, fractional full face treatments and targeted, selective treatment of wrinkles, scars and unwanted pigmentations.<sup>4,5</sup>

### Technical Specifications BURANE II / BURANE XL - II

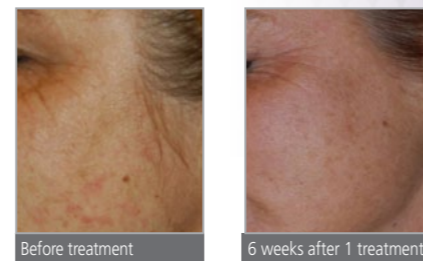
Laser type	Er:YAG
Wavelength	2,940 nm
Beam diameter	1.0 / 2.0 / 3.0 / 4.0 / 5.0 / 6.0 mm
Energy	up to 2 J (BURANE XL - II up to 2.5 J)
Repetition rate	up to 30 Hz
Power requirements	230 V, 16 A, 50/60 Hz
Dimensions (L x W x H)	84 x 35 x 102 cm
Compliance	EC Medical Device Directive (MDD) 93/42/EEC (CE mark), FDA/US 510 k*

Technical specifications are subject to change without notice. \*Intended use may differ from this brochure.

### Technical Specifications FX4 / FX12

	FX4	FX12
Size of treatment area	4 mm (circle)	12 x 12 mm (square)
Treated area	ca. 8%	ca. 5%
Beam diameter	150 µm	150 µm
Spots per cm <sup>2</sup>	460 pts/cm <sup>2</sup>	270 pts/cm <sup>2</sup>

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Courtesy of Dr. Susanne Lorenz, Bielefeld, Germany: treatment with BURANE FX12



Beam profiles FX4 and FX12 (original size)

<sup>1</sup> Kunzi-Rapp K, Dierckx CC, Cambier B, Drosner M. Minimally invasive skin rejuvenation with Erbium:YAG laser used in thermal mode. Lasers Surg Med 2006; 38 (10): 899-907

<sup>2</sup> Kunzi-Rapp K, Wortmann S, Gottlöber P, Diebold R, Rupp M, Stock K, Russ D, Hibst R, Steiner R, Peter RU. Treatment of scars and rhytides on the base of thermal induced collagen reactions by a modified Er:YAG-laser. J Cut Laser Therapy 2001; 3: 32-33

<sup>3</sup> Jacques Rogge F, Cambier B. Safe and effective treatment of problem scars with the purely thermal non-ablative Er:YAG laser scar mode. J Cosmet Laser Therapy 2008; 10 (3): 143-147

<sup>4</sup> Bodendorf MO, Grunewald S, Wetzig T, Simon JC, Paasch U. Fractional laser skin therapy. JDDG 2009; 7 (4): 301-308

<sup>5</sup> Bodendorf MO, Willenberg A, Anderegg U, Grunewald S, Simon JC, Paasch U. Connective tissue response to fractionated thermo-ablative Erbium:YAG skin laser treatment. International Journal of Cosmetic Science 2010; 32 (6): 435-445



For Skin Resurfacing, Skin Rejuvenation, Smoothing Of Scars and Removal of Skin Alterations

Available as BURANE II with Triple Mode Technology

Expandable to a Fractional System

**Innovative Technology**  
Safe, effective treatments with the industry's most dynamic product portfolio, distinguished by expandable modular platforms that adapt to your changing needs and future breakthroughs.

**Innovative Marketing**  
Consumer-outreach focus, marketing assistance kits, A.L.M.A. marketing consulting support and Office by Alma online practice management store & resource center, all coordinated to attract new patients and increase ROI.

**Innovative Learning**  
An unparalleled commitment to customer care and knowledge, demonstrated through in-office training, hands-on workshops, intensive webinars, advanced clinical training and our online education resource center.

**Innovative Support**  
On-call service technicians standing by 24/7 and world-class Depot Service with guaranteed overnight delivery of loaner equipment to eliminate downtime. \*certain exclusions apply

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# Allrounder For Aesthetics

## Universal Treatment System

The Erbium:YAG laser system BURANE II is the universal treatment solution for classic ablative applications in aesthetic dermatology. BURANE II's wavelength of 2,940 nm allows it to precisely ablate upper skin layers in controllable steps – without thermal damage to the surrounding tissue. The indispensable allrounder in laser dermatology is now even more user-friendly with a new look and extra technical features.



Courtesy of Prof. Roland Kaufmann, Frankfurt, Germany

## Triple Mode: BURANE XL - II

The Triple Mode Technology of BURANE XL - II provides the functions you need for a wide range of aesthetic treatments:

- The Ablation Mode for classic ablative procedures.
- The patented Thermal Mode for controlled induction of heat in deeper skin layers.
- The unique Combination Mode which combines ablation and thermal pulses.

## Fractional in no Time at All

In just a couple of seconds, you can transform BURANE XL - II into a fractional laser system by mounting one of the optional handpieces. The FX4 (4 mm spot size) and the FX12 (12 mm spot size) induce microscopically small ablation zones with adjustable depth. Fractional treatments with BURANE XL - II have very good clinical effects on scars and wrinkles. The gentle treatment is popular due to its fast healing and minimal risk of side effects.

## Wide Application Range

The Er:YAG laser BURANE II is ideally suited for ablative applications such as laser peelings and the removal of superficial lesions and pigmented skin alterations in only one treatment. Wrinkles and scars – also acne scars – are visibly reduced. The Triple Mode Technology of BURANE XL - II provides additional treatment options. You can use the Thermal Mode for non-ablative skin rejuvenation: The heat induced by the Thermal Mode tightens the collagen structure and reduces fine wrinkles.<sup>1,2</sup> It smoothes scars and decreases their redness, tenseness and itchiness.<sup>3</sup> The Combination Mode allows you to treat deeper wrinkles and scars through the combination of ablative and thermal pulses. The optional FX4 and FX12 handpieces give you the possibility to additionally provide fractional treatments.



Treatment in Combination Mode

# Your Advantages At a Glance

New vario handpiece,  
new color touch screen



## Allrounder for Aesthetics

- Gold standard for skin resurfacing with optimal wavelength
- Excellent results and minimal side effects
- High patient acceptance

## Fast and Precise

- NEW** • Six spot sizes for exact treatments: 1.0 to 6.0 mm
- Fast treatments due to high power and pulse repetition rates up to 30 Hz
- Pulse energy up to 2 J (BURANE XL - II up to 2.5 J)

## Profitable Investment

- Exceptionally versatile system with wide application range
- Expandable to BURANE XL - II with Triple Mode Technology
- Option for fractional treatments
- Long lifetime through technically stable components

## Triple Mode Technology

BURANE XL - II with

- Ablation Mode
- Thermal Mode (patented)
- Combination Mode for ablation with thermal pulses

## Fractional System

- Expandable to a fractional system (BURANE XL - II)
- Two spot sizes available: 4 mm (FX4) and 12 mm (FX12)
- Gentle treatment with fast healing
- No local anesthesia required

## Easy Handling

- NEW** • New vario handpiece, easy selection of spot size
- NEW** • Guided input, intuitive parameter settings
- NEW** • Large, color touch screen
- Mirror arm with wide positioning range
- Cold air cooling can be mounted to the handpiece

## Users about BURANE:

"The Er:YAG laser BURANE has become an **indispensable device** in our practice. The **easy-to-control, layered ablation** has proven itself in more than 1,200 treatments in our practice."

Dr. Clemens Fritsch, Düsseldorf, Germany

"The **Triple Mode Technology** of BURANE XL has proven to be a **real advantage in my everyday business**. The laser system has a controllable Thermal Mode which I can use sub-ablative as well as combined with ablation. I can say that the **positive results** in both sub-ablative treatments and resurfacing combined with **a hassle-free handling** make BURANE XL a valuable tool for my practice."

Dr. Christine Dierickx, Boom, Belgium

"The Er:YAG laser system BURANE XL is **such a flexible system** that **we use it almost daily** in our outpatient laser clinic."

Prof. Dr. Uwe Paasch, University Hospital Leipzig, Germany

"The decision for BURANE XL was the right one: the additional thermal function that can also be combined with ablation offers **completely new possibilities in aesthetic dermatology**, for **skin resurfacing** and for **treating scars**."

Dr. Torsten Hauschild, Rheinfelden, Germany

Discover BURANE at:

[www.burane-laser.com](http://www.burane-laser.com)