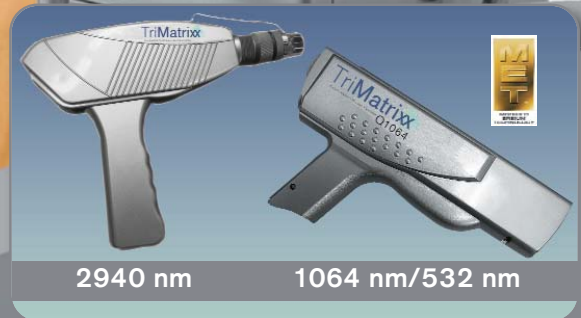


# TriMatrixx™

LaserPeel® Multi-Platform Er:YAG

A New 2940 nm **Micro-Fractional Laser** for Signs of Aging, Photodamage & Dermal Imperfections



- Micro-Fractional & Whole Beam Technology
- Ablative Vaporization + Non-Ablative Coagulation
- Treats More than 33 Indications



*MORE SOLUTIONS at a Micro-Fraction of the Cost...*

# TriMatrixx Provides More Features & More Value

33+

## Thirty-Three Plus Indications

Including Popular Aesthetic Treatments for Signs of Aging, Photodamage, Fine Lines, Wrinkles, Skin Resurfacing, Skin Lesions & Other Dermal Imperfections

3

## Three Popular Procedures

Skin Resurfacing & Refreshing; Lunchtime Peels; Weekend & Deep Extended Peels

3

## Three Target Chromophores

Water; Melanin/Pigment; Hemoglobin

3

## Three Wavelengths

Multi-Platform Laser with 2940 nm (Standard), 1064 nm and 532 nm (Optional)

3

## Three Beam Profiles

Micro-Fractional Beam; Focused Whole Beam; Collimated Whole Beam

3

## Three Mechanisms of Action

Ablation (Vaporization); Non-Ablation (Coagulation); Cutting

3

## Three Pulse Modes

Single-Pulse; Multi-Pulse; Adjustable Pulse Trains

3 + 1

## Four Er:YAG Optical Lenses

Micro-Fractional Lens; Focused Lens; Collimated Lens - 6 mm; Collimated Lens - 1 mm



# TriMatrixx™

LaserPeel® Multi-Platform Er:YAG

## Expandable Multi-Platform Laser System

The new **TriMatrixx** system is a versatile and expandable **Multi-Platform** laser system capable of powering both Erbium:YAG laser and Q-switched Nd:YAG laser handpieces. The multi-platform system allows you to upgrade and expand as you grow your practice. When you are ready to add a new service, it is as simple as adding a new module without the need to purchase an entire new laser system.

## Multiple Indications

The new **Micro-Fractional** Er:YAG laser performs discrete **Micro-Fractional** and mild to aggressive **Whole Beam** laser treatments for signs aging, photodamage and dermal imperfections. Complete full-face treatments can be performed in less than twenty minutes. The optional Q-switched Nd:YAG laser enables you to effectively perform treatments for the refinement/reduction/removal of tattoos, pigmented lesions and photodamage.

## A Complete Collection of Four Optical Lenses is included with Each TriMatrixx LaserPeel System

Micro-Fractional Lens  
**5 x 5 mm treatment area** (64 micro-beams)

Telescoping Focused Whole Beam Lens  
**2-10 mm spot size**

Collimated Whole Beam Lens  
**1 mm spot size**

Collimated Whole Beam Lens  
**6 mm spot size**



### TriMatrixx

**Multi-Platform** system includes a single handpiece with both **Micro-Fractional** and **Whole Beam** capabilities, four (4) different lenses and multiple spot sizes.



## Collimated Whole Beam Lens & Focused Whole Beam Lens

### Soft Ablation, Precise Control and Predictable Penetration Depths

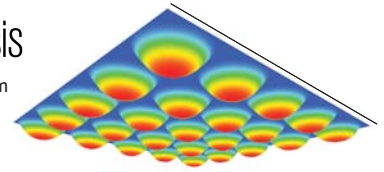
Treatments with the **Whole Beam** lenses gently ablate the outer layers of the epidermis to freshen and smooth the appearance of the skin with a choice of downtime based on the preferences of each patient. The **TriMatrixx's** 2940 nm Er:YAG laser wavelength has the highest possible absorption coefficient for water (i.e. 3000 nm) to achieve greater precision and control of penetration depth than any other technology. The predictable penetration depths allow greater control of the resulting ablation and non-ablative coagulation incident to each laser pass. The **TriMatrixx's** predictability enables practitioners to emphasize pure ablation, pure coagulation or a blend of the benefits of each depending on the desired outcome. The precise control available with the **TriMatrixx** system enables you to treat a number of indications and offer a range of remarkable laser peels ranging from the most superficial to deep and aggressive based on the severity of the skin condition and the preferences of your patients.

# Safe & Effective Procedures Allow Choice of Minimal to Moderate Downtime

## TriMatrixx Micro-Fractional Photothermolysis

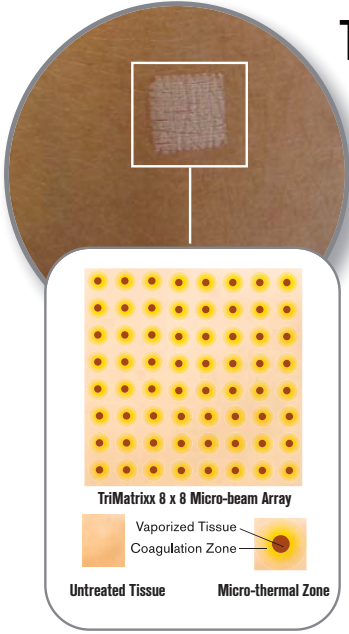
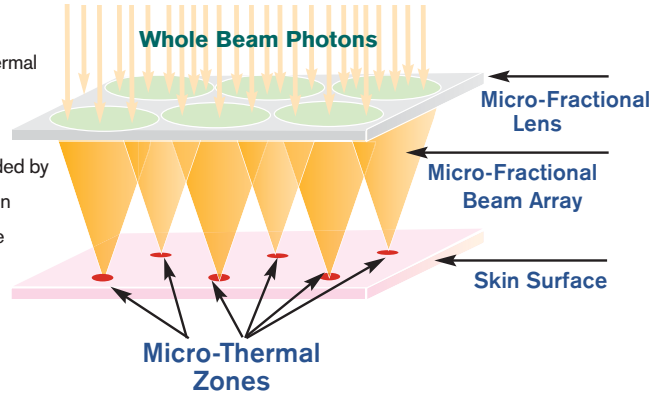
The **TriMatrixx** system includes a special lens that fractionates the 2940 nm laser beam into an array of 64 micro-beams—each with the characteristics of the original 2940 nm **Whole Beam**—with exquisite mini-focus points.

The 64 micro-beams are approximately 50 microns in diameter.



Micro-Fractional Lens

Each micro-beam produces a "micro-thermal zone" of both vaporized and coagulated tissue. The powerful micro-beams creates a matrix of tiny wounds surrounded by islands of untreated skin—a phenomenon termed "fractional photothermolysis." The untreated area helps maintain the skin's barrier function while speeding up the re-epithelialization process.



## Advantages of TriMatrixx Micro-Fractional vs. Traditional Laser Resurfacing

The **TriMatrixx** 2940 nm wavelength is scientifically recognized as nearly perfect in ablative efficiency and precision with less thermal spread as compared to much less efficient traditional and other resurfacing wavelengths that rely upon secondary non-ablative thermal coagulation such as CO<sub>2</sub> (10,600 nm), YSGG Erbium (2790 nm), Erbium glass (1540 nm, or 1550 nm), Diode (1450 nm) or Nd:YAG (1320 nm). The non-2940 wavelengths cause greater collateral thermal damage, higher discomfort, longer healing time and inferior results than treatments performed with the **TriMatrixx** system.

## Quick Treatments with Minimal Recovery Time

**TriMatrixx** treatments are quick and easy to perform because of the available large spot sizes (up to 10 mm) and high repetition rates (up to 9 Hz). The flat "top hat" beam profile provides an even distribution of photon energy to the treatment site, resulting in faster re-epithelialization and short-term post-treatment erythema. The recovery period can be as short as one or two days based on individual preferences.

### Skin Resurfacing - Medium Peel Before & After One Treatment



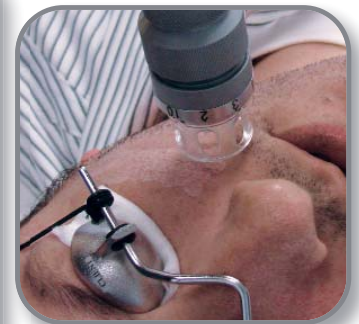
Before Treatment



After Treatment

The patient experienced significant improvement in skin tone and texture, acne scar reduction, pore minimization and secondary reduction of active acne.

Photos courtesy of Dr. Thomas Barrows, M.D.



### TriMatrixx

With **Micro-Fractional** and **Whole Beam** technologies. Patients can be treated at lower energy levels for minimal adverse effects, little downtime and complete healing within just 2 days to 1 week, or receive aggressive treatments at higher energy levels for more dramatic results and longer healing times (up to 2 weeks).

# TriMatrixx™

LaserPeel Multi-Platform Er:YAG

## New TriMatrixx Features

- The most **valuable** and **versatile micro-fractional laser** in the marketplace with **33+ treatment indications**
- Includes tri-optical lens system (**focused, collimated and micro-fractional**)
- Choose soft ablation with **minimal recovery time** or more aggressive treatments
- **Single, multi-pulse, adjustable pulse train & pulse stacking** for ablation or coagulation
- **Large color LCD touch screen** with parameters and fluence display
- **Expandable multi-platform** system allows instant “*Plug-n-Treat*” of Er:YAG laser or Q-Switched Nd:YAG laser handpiece (optional - shown below)

## TriMatrixx Technical Specifications

**Indications: Aesthetic Treatments for Signs of Aging, Photodamage, Fine Lines, Wrinkles, Skin Lesions, Skin Resurfacing/Refreshing and other Dermal Imperfections**

**Laser Source (Modified)** MET Erbium:YAG

**Wavelength:** 2940 nm

**Energy Fluence Range:** From delicate .47 J/cm<sup>2</sup> up to 127 J/cm<sup>2</sup> (at 1 mm spot size)

**Pulse Energy Range:** 250 – 1000 mJ

**Micro-Fractional Lens:** 5 x 5 mm treatment area (64 dot matrix [8 x 8])

**Focused Whole Beam Lens:** 2 – 10 mm

**Collimated Whole Beam Lenses:** 1 mm and 6 mm

**Pulse Repetition Rate:** 1 – 6 Hz, 9 Hz

**Pulse Mode:** Single, Multiple, Adjustable Pulse Trains

**Pulse Durations:** Short Pulse (SP)—250 or Short-Mini Pulse (SP)—500 μs  
Long Mini-Pulse (LP)—750 or 1000 μs

**Pulses per Train:** 2, 3 or 4 PIPs (*pulses in pulse*)

**Pulse Train Length:** 100 msec - 1200 msec

**Pulse Train Delay Choices:** 100, 150, 250 or 400 msec

**Aiming Beam:** 650 nm diode laser

**Electrical Supply:** 220 V 50 ~ 60 Hz

**Cooling:** Self-contained closed circulating water

**Weight:** 63 lbs (29 kg.)

**Cart:** Custom cart with accessory drawer; table top & portable

**Warranty:** One year standard, two and three year extended service agreements available

**TriMatrixx Q1064 Q-Switched Nd:YAG Laser** \* (Optional Handpiece)

**Indications: Refinement/Reduction/Removal of Pigmented Lesions, Tattoos and Photodamage**

- **Wavelengths:** 1064 and 532 nm
- **Spot Size Range:** 2 to 5 mm diameter
- **Output Energy:** 400 mJ @ 1064 nm and 160 mJ @ 532 nm
- **Energy Fluence:** Up to 12.7 J/cm<sup>2</sup> (at 2 mm spot size/1064 nm)
- **Pulse Duration:** 10 ns
- **Pulse Repetition Rate:** 1 Hz to 5 Hz



ER:YAG HANDPIECE

2940 nm

TriMatrixx Optical Lenses



MFL FL CL-1 CL-6

1064 nm / 532 nm

Nd:YAG HANDPIECE



FDA 510K

SYBARITIC  
Global Aesthetic Solutions

CE

⚠ DANGER

INVISIBLE LASER RADIATION  
AVOID EYE OR SKIN  
EXPOSURE TO DIRECT OR  
SCATTERED RADIATION  
Output: 3, 3.1 J,  
Wavelength: 1064 nm  
CLASS IV LASER PRODUCT



Sybaritic, Inc.,

9220 James Avenue South, Minneapolis, Minnesota 55431 USA

Toll Free (800) 445.8418 • Tel (952) 888.8282 • Fax (952) 888.8887 • info@sybaritic.com

© 2008 Sybaritic, Inc. Mpls, MN • 206450 Rev 810U • TRI.1.1.810.1.U

www.Sybaritic.com