

# THE ASCLEPION EFFECT

## TattooStar Family

**THE BEST Q-SWITCHED LASER  
FOR TATTOO AND PIGMENT  
REMOVAL**

Effective | Precise | Non-Invasive



### APPLICATIONS

TATTOO REMOVAL  
REMOVAL OF BENIGN PIGMENTED LESIONS  
REMOVAL OF PERMANENT MAKE-UP  
FRACTIONAL LASER THERAPY  
TREATMENT OF MELASMA

 **MADE IN GERMANY**

Brochure not for the U.S.

**Asclepion**  
Laser Technologies

# WHY ASCLEPION



For more than 35 years, Asclepion Laser Technologies has been operating as a leader on the international medical laser scene. The company is based in the Jena optical Valley, famous throughout the world as the home of the German optics industry. This privileged location and continuous investments in research and development have enabled Asclepion to take a leading role in the scientific optics industry, where it collaborates actively with researchers from top German universities.

Today, **more than 60 countries** trust in the »Made in Germany« technology of Asclepion and its proven scientific expertise.

The Asclepion Effect is a customer-oriented philosophy: a full range of services and assistance for customers and distributors to support them even after the purchase.

## Technical support and guarantee

**Maximum specialist technical assistance**, both directly and through a network of local distributors.

## Training at our ACADEMY

Training courses are held regularly in the Asclepion ACADEMY training center based in Jena, with participants from all over the world. Moreover, our reference centers throughout the world are available for interested physicians.

## Being prepared for success

Asclepion supports its customers with a wide range of marketing kits and materials.

**The Starting Kit:** guides, manuals and protocols for assisting the physician in all phases of use.

**The Welcome Kit:** additional materials such as patient information flyers, posters, pre-post laser treatment guides and anamnesis forms.

**The Premium Kit:** exclusive marketing tools for further improvement and organization of the clinic – marketing guide, advanced waiting room tools, create your own website.

## The WEBCLUB and the advantages for physicians

The Asclepion WEBCLUB is a special online platform for all distributors and physicians. This exclusive area offers many advantages: application information, pictures, videos and much more.

1977

Company foundation

1998

RubyStar

2001

RubyStar

2006

TattooStar R

2007

TattooStar Y

2008

TattooStar Effect

PRODUCT HISTORY

# ALL-IN-ONE

Up to 4 wavelengths in one system



## TattooStar Effect COMBO

<b>LASER TYPE</b>	Q-Switched Ruby and Nd:YAG laser, class 4
<b>WAVELENGTH</b>	694 nm (Ruby) 532, 1064 nm (Nd:YAG) 585 nm (Dye Handpiece)*
<b>ENERGY</b>	Max. 1.2 J (Ruby) Max. 1.5 J (Nd:YAG) Max. 0.25 J (Dye Handpiece)*
<b>PULSE LENGTH</b>	Approx. 40 ns (Ruby) Approx. 8 ns (Nd:YAG) Free-Running-Mode (Nd:YAG): 300 $\mu$ s
<b>FREQUENCY</b>	Max. 2 Hz (Ruby) Max. 10 Hz (Nd:YAG)
<b>SPOT SIZE</b>	2; 2.5; 4; 5.5 mm; optional 7 mm MicroSpot FRx Handpiece: 7.1 x 7.1 mm* Dye Handpiece: 2.5 mm*
<b>SIZE</b>	48 x 98 x 100 cm (W x D x H)
<b>WEIGHT</b>	Approx. 120 Kg

\*optional  
All specifications are subject to change without notice.



# INDICATIONS

## TATTOO REMOVAL

Today there is an increasing demand for tattoo removal. On average, one person in two wants to remove his tattoos after about ten years. This derives from the inevitable changes in fashion and styles or simply from aging.



Laser's popcorn effect on the skin

TattooStar is extremely effective in removing tattoos and accidental injuries: thanks to selective removal, the beam penetrates the skin and reaches the ink particles anchored in the skin. The pigments absorb the light energy and are fragmented. Once destroyed, they are absorbed by the lymphatic system and eliminated. The treatment is quick, almost bloodless and highly effective, without causing injury or leaving scars.

## REMOVAL OF PERMANENT MAKE-UP

Permanent make-up is becoming increasingly popular. Therefore, as with tattoos we will also witness a growing demand for corrective and removal intervention in this field as well.

Technically, the removal of permanent make-up is very similar to the removal of tattoos, which means that TattooStar is the ideal solution for this type of operation: quick, precise, effective treatment with minimal side effects.



Tattoo removal | before



Tattoo removal | after



Permanent make-up | before



Permanent make-up | after

# INDICATIONS

## TREATMENT OF BENIGN PIGMENTED LESIONS

The high power, optimized by the homogeneous spot, makes it possible to remove benign pigmented lesions quickly and effectively, without damaging the surrounding tissue. The pulses are absorbed selectively by the melanin pigments in the skin. These are pulverized by the laser energy and eliminated naturally by the lymphatic system or via the epidermis.



Pigmented lesions | before



Pigmented lesions | after

By courtesy of Dr. Said Hilton & Heiko Heise, Düsseldorf, Germany

TattooStar removes a large variety of pigmented lesions:



- Lentigines
- Ephelides
- Naevus Ota/Ito
- Tattoo

## INDICATION OVERVIEW

	694 nm (Ruby)	532 nm (Nd:YAG)	1064 nm (Nd:YAG)	595 nm (Dye)
<b>Benign pigmented lesions</b>	yes	yes (superficial)	yes (dark and/or deep)	yes (superficial, lighter colors)
<b>Tattoos</b>				
<b>Permanent make-up</b>	black, blue, green, dark colors	red, dark colors	black, dark colors	blue, lilac, lighter colors
<b>Traumatic tattoos</b>	yes		yes	
<b>Full face fractional therapy</b>	yes (MicroSpot FRx)			
<b>Melasma</b>				

# HIGHLY SPECIALIZED

Choose your wavelength

## TattooStar R

Pictured on left

<b>LASER TYPE</b>	Q-Switched Ruby laser, class 4
<b>WAVELENGTH</b>	694nm
<b>ENERGY</b>	Max. 1.2J
<b>PULSE LENGTH</b>	Approx. 40ns
<b>FREQUENCY</b>	Max. 2Hz
<b>SPOT SIZE</b>	2.5; 4; 5mm; optional 6mm MicroSpot FRx Handpiece; 7.1 x 7.1 mm*
<b>SIZE</b>	36 x 78 x 97 cm (W x D x H)
<b>WEIGHT</b>	Approx. 95Kg

## TattooStar Effect Y

Pictured on right

<b>LASER TYPE</b>	Q-Switched Nd:YAG laser, class 4
<b>WAVELENGTH</b>	532; 1064 nm 585nm (Dye Handpiece)*
<b>ENERGY</b>	Max. 1.5J Max. 0.25J (Dye Handpiece)*
<b>PULSE LENGTH</b>	Approx. 8 ns Free-Running-Mode: 300 µs
<b>FREQUENCY</b>	Max. 10Hz
<b>SPOT SIZE</b>	2; 2.5; 4; 5.5mm; optional 7 mm Dye Handpiece; 2.5mm*
<b>SIZE</b>	48 x 98 x 100 cm (W x D x H)
<b>WEIGHT</b>	Approx. 120Kg

\*optional  
All specifications are subject to change without notice.



# WHY TATTOOSTAR

## Q-Switched mode, up to 4 wavelengths

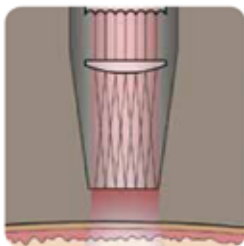
TattooStar emits Q-switched pulses - high power pulses lasting nano-seconds - which are absorbed by the pigments present in tattoos and stains in the skin. With the flexibility of up to four wavelengths, the physician is able to adapt the treatment exactly to the patients' needs and to the different range of pigment colors.



Color range erasable with laser

## Effective treatment thanks to the homogeneous spot and special microlenses

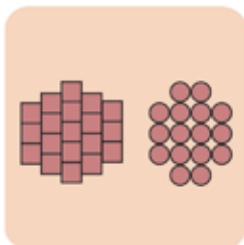
Asclepion Laser Technologies' exclusive system with microlenses is an improvement over traditional lenses. The spot is homogeneous and distributes the laser energy in a perfectly uniform manner to the treated area, thus avoiding the need to overlap and preventing over-treatment.



Special Microlens Array Technology ensuring homogeneous spots

## Optimization of the treatment thanks to the square-shaped spot

The special shape of the TattooStar spot is designed to guarantee optimal coverage of the area with greater efficiency. In fact, unlike the traditional circular spot, no empty intermediate spaces exist with the square spot.



Square and circular spot

## MicroSpot FRx Handpiece: the first Q-switched fractional handpiece on the market\*

Thanks to the fractional handpiece, numerous pigmented lesions (such as melasma) can be successfully treated with a significant reduction of side effects, pain (no anesthesia needed) and point bleeding. Crust formation is minimized, allowing large areas or the entire face to be treated.

### Spot size:

7.1 x 7.1 mm

### Number of spots:

196 (14 x 14)

### MicroSpot Ø:

300 µm

### Cover rate:

28%



MicroSpot FRx Handpiece

## Dye Handpiece: maximum effectiveness even on lighter pigments\*\*

Thanks to a special dye, the green wavelength of the Q-switched Nd:YAG laser (532 nm) can be transformed into yellow light. The special wavelength of 585 nm this produces allows treatment of the most difficult colors, such as blue, lilac and lighter colors.

\* optional, available for the Q-Switched Ruby technology

\*\* optional, available for the Q-Switched Nd:YAG technology



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