

# PicoStar<sup>®</sup>

THE MOST POWERFUL  
PICO LASER ON  
THE MARKET



## APPLICATIONS

- + Removal of tattoos
- + Removal of permanent makeup
- + Removal of pigmented lesions
- + Treatment of acne scars
- + Treatment of melasma
- + Treatment of wrinkles
- + Skin rejuvenation

BROCHURE NOT FOR THE U.S.A.

**Asclepion**  
Laser Technologies

precise   
**EFFECTIVE**

NON - I N V A S I V E

Nothing  
lasts  
forever!



## MILLIONS OF PEOPLE WITH TATTOOS

Stigmatisation by society for people with tattoos is a thing of the past: previously regarded as taboo symbols of »subcultures«, tattoos have increased tremendously in popularity – a phenomenon that can be seen across the world. More than 45 million US Americans sport this permanent body art, and 40% of 26 to 40 year-olds have at least one tattoo. Since the end of the 1990s, business has been flourishing in Europe, too. In France alone, the number of tattooists has increased ten-fold within a decade. Twenty per cent of people between the ages of 25 and 34 have one. And in Germany according to estimates, approximately 10% of the population has tattoos – that is more than eight million Germans. Currently, about 75 million people in Europe have a tattoo. And the trend is on up.



## HIGH-TECH LASERS FOR BEST RESULTS

Over time, various methods have been established for removing tattoos. Skilled cover ups are a satisfactory solution for only a few people. But methods such as surgically cutting away the affected skin area, scraping the tattoo off using strong microdermabrasion or chemical treatments where the upper layers of skin are removed with astringent substances, are often associated with severe pain, long-term healing processes and unsightly scars. The neighbouring tissue is also often affected.

In contrast to these processes, laser technology has established itself as a gentle, low-pain method of treatment achieving optimal results. For years, Asclepion has successfully used lasers from the TattooStar family to remove tattoos – with thousands of satisfied patients to attest to this.

## HIGH REVENUE POTENTIAL WITH TATTOO REMOVAL BY LASER

Providers of laser tattoo removal charge between 100€ and 500€ per treatment. The size, density of colour and type of tattoo all determine how many sessions are necessary. As a rule, five to ten sessions are needed. However, the treatment itself lasts from 30 seconds up to 15 minutes. Assuming a charge of just 200€ per session and 15 minutes per appointment, revenues of 800€ per hour can be achieved.



200€ per treatment  
15 min appointment time

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**800€ REVENUE / HOUR**

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200€ per treatment  
7 treatments needed

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**1,400€ REVENUE / PATIENT**

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**BEST  
RESULTS**

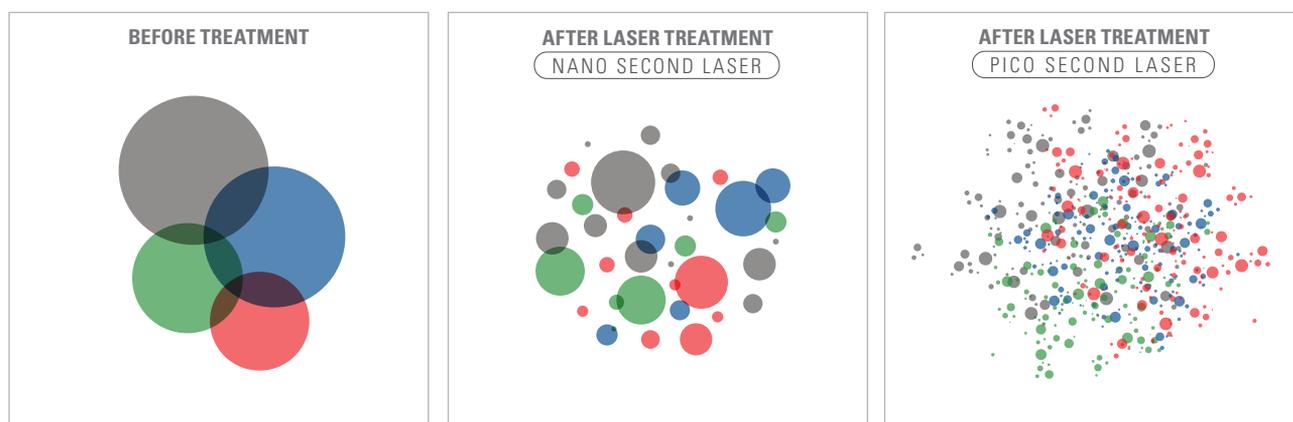


## MARKET FOR PIGMENT REMOVAL

Having perfect skin is our idea of beauty, but it is rarely achievable in reality. The »flaws« can appear in various shapes, sizes and colours and are not always unwelcome. Freckles (ephelides), for example, emphasise a natural, youthful look and give the appearance of summer freshness, even on cold days. In western cultures particularly, freckles are considered a «fashion accessory», which can even be applied artificially with a stencil and rollerball pen.

Yet many people consider these small brown dots to be an aesthetic impairment, especially when they appear in large quantities on their face, arms and legs. Other pigmentations such as age spots (lentigines senilis) are also seen as cosmetically undesirable by those affected and, like wrinkles, they are considered to have an ageing effect. Whilst they are not a sign of age strictly speaking, but rather a sign of sun damage, they do usually occur later in life. And as a person gets older, the desire to look younger and more full of life increases and the demand for pigment spot removal is high.

As the name already suggests, age spots usually do not occur until one is older: from the age of 50, this condition affects 50% of women and 20% of men. From the age of 60, almost 90% of light-skinned people develop these spots. This makes them the most commonly occurring pigmentations in central Europe. But these unsightly spots can also occur in younger people. This is more often the case in people with fair skin colour. Sunburn can also encourage the development of age spots. Therefore, these pigmentations are also known as »sun spots« (lentigines solaris) and occur in areas frequently exposed to the sun, i.e. the face, hands, chest and forearms.



## CHOOSING LASER: FOR AN OPTIMAL RESULT

Lightening creams, chemical exfoliants and cold treatments – there are lots of forms of therapy to remove pigment spots. However, the result is often unpredictable and the healing process protracted and painful. An exfoliant can even damage lower skin layers in too high a dose and result in an increased risk of infection or even scar formation.

It is also advisable to take care with lightening creams: if the product is applied inaccurately, parts of the skin nearby can be unintentionally lightened as well. Creams can also trigger the development of red patches of skin and irritations. There are of course gentler creams now that are supposed to help get rid of brown pigmentation problems, but in all but the rarest cases they fail to entirely remove the problem. Usually they only manage to lighten the discolouration.

In contrast, laser therapy has become established as a particularly effective method: in addition to almost painless treatment, the pigment spots are removed with precision. The nano second laser is frequently used in practice to treat natural pigment spots, as melanin, the main skin pigment, absorbs the rays of the laser particularly well and allows the blemishes to be removed in the long term. For years, the laser technologies from Asclepion have been used successfully to remove beauty flaws – as testified by thousands of satisfied patients.

NOW WE HAVE IMPROVED THIS TECHNOLOGY AND PRESENT THE ...



LONG ARTICULATED  
MIRROR ARM

PLACE FOR  
ACCESSORIES

MODERN  
DESIGN

Asclepion Laser Technologies

PicoStar

# PicoStar<sup>®</sup>



## ✓ Done Right.

The PicoStar<sup>®</sup> comes in a state of the art design and the latest PICO laser technology. With the new high-tech system by Asclepion, it is now possible to emit laser beams in less than 300 picoseconds. Thanks to the ultra short pulses the tattoo will be fragmented in much smaller particles than with a nano laser, which allows a more gentle treatment and a faster removal by the lymph system.



## Advantages

- + Maximum flexibility thanks to numerous handpieces
- + Highest energy and shortest pulses
- + Largest, homogeneous spot on the pico laser market
- + Automatic spot detection
- + No pre-pulses
- + No consumables

300ps

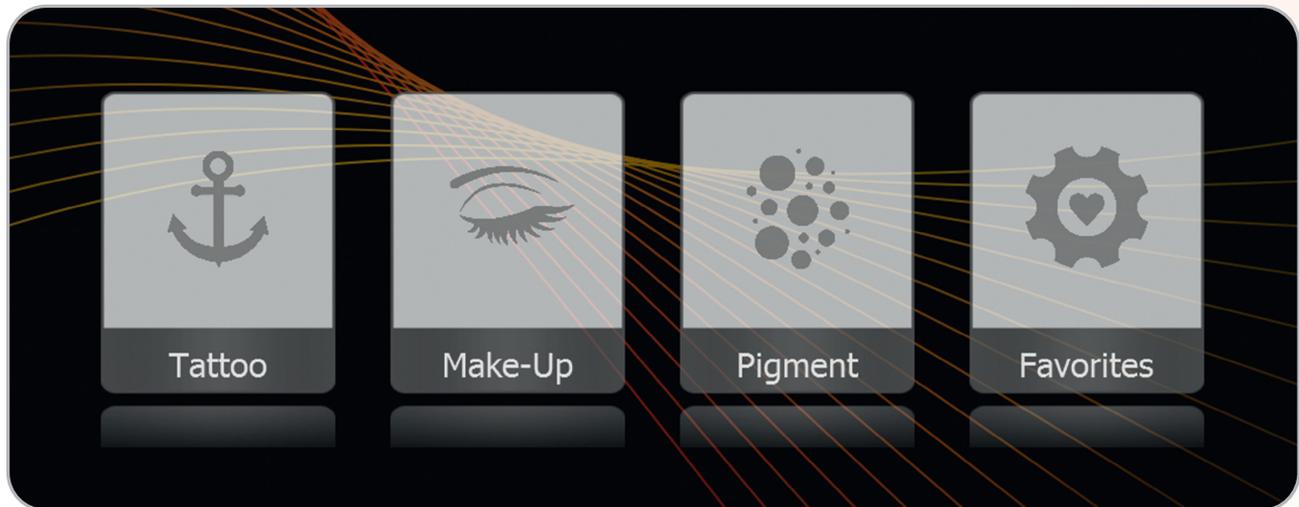
PULSE DURATION

2.7GW

POWER

16mm

SPOT SIZE



# GRAPHICAL USER INTERFACE

## Advantages

- + Large, clear and sharp 10.1" LCD
- + Menu for beginners and experts
- + Large buttons and icons for good detectability
- + Dark background for a higher contrast and color brilliance
- + Clear highlighting of active elements by size and color change
- + Straight lines with rounded corners, similar to the design of the device

The 10.1 inch widescreen display allows an intuitive use of the PicoStar®. The user can choose between the menu for the indications and parameters. Beginners select the desired treatment and the device choose the right settings. Experts go directly into the work screen and select the parameters by themselves.

**THIS IS THE EASY WAY.**



# QUALITY

## STATE OF THE ART ENGINEERING

With the PicoStar®, Asclepion has created completely new handpieces. The ergonomically and lightweight design offers the physician an easy tool for his daily work. With special developed optics, the laser creates a very precise beam profile.

### ZOOM ST HANDPIECE



THIN & LIGHTWEIGHT

MADE OF STAINLESS STEEL

MODERN & ERGONOMIC DESIGN

### FLAT-TOP 532 HANDPIECE



### FLAT-TOP 1064 HANDPIECE



### MICROSPOT PICO HANDPIECE



# ASCLEPION

COMPETENCE, EXPERIENCE, SUCCESS

Asclepion Laser Technologies has been operating for **more than 40 years** as a leader on the international medical laser scene as manufacturer of advanced laser systems for dermatology, aesthetic medicine and surgery. Based in the Jena Optical Valley, famous throughout the world as the homeland of the German optics industry, the company invests continuously in research and development of new technologies. Today, customers in **more than 70 countries** trust in the Made in Germany technology of Asclepion and its proven scientific expertise.

**PicoStar®**, the latest generation of Asclepion's tattoo and pigment removal technology, boasts an unmatched success all around the world, proof of its effectiveness, safety and high quality.

MORE THAN  
**10 000**  
users all around  
the world

MORE THAN  
**5 000 000**  
patients successfully  
treated

High quality means for us also a customer oriented philosophy. That's why we work hard every day in order to provide you not only the best technology but also a full range of services, to support you at 360°.

## TRAINING & EDUCATION



Both regional and international trainings are permanently organized in our training center in Jena. That's how we provide our customers all the knowledge that they need for safely and effectively using our laser devices.

Find out more at:  
[www.asclepion.com/academy](http://www.asclepion.com/academy)

## MARKETING & WEBCLUB



A wide range of marketing tools is available on the Asclepion's WEBCLUB, an online platform designed for giving you a real time access to all the latest news and important documents for the success of your practice.

Find out more at:  
[www.asclepion.com/webclub](http://www.asclepion.com/webclub)

## TECHNICAL SERVICE



Our highly specialized technical assistance, provided both directly and through a network of local distributors, follows the customer from the installation, to the assistance in case of defect, to the delivery of spare parts.

Find out more at:  
[www.asclepion.com/service](http://www.asclepion.com/service)

# Asclepion

Laser Technologies

## TECHNICAL SPECIFICATIONS

Laser	Nd:YAG, class 4	Spot Size	Zoom ST	2 mm – 5 mm Ø
Wavelength	532 nm, 1064 nm		Flat-Top 532	3 mm; 5 mm Ø
Energy	Max. 800 mJ		Flat-Top 1064	10 mm; 16 mm Ø
			MicroSpot PICO	7 x 7 mm <sup>2</sup>
Pulse Duration	300 ps	Display	10.1" LCD with Touchscreen	
Frequency	0.5 Hz – 10 Hz	Dimensions	42 x 116 x 106 cm <sup>3</sup> (B x T x H)	
Power	2.7 GW	Weight	ca. 160 kg	

(All specifications are subject to change without notice)

[www.asclepion.com](http://www.asclepion.com)

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**MADE IN GERMANY**

treatment laser	wavelength	532 / 1064 nm
	pulse energy	≤ 0.8 J
	pulse duration	≤ 400 ps
	laser class	4
pilot laser	wavelength	635 nm
	peak power	≤ 0.9 mW
	laser mode	pulsed and CW
	pulse duration	≥ 25 ns
	laser class	2
classified	acc. to	EN 60825-1: 2014

