



# RF

## Asclepion Radiofrequency

### Specs:

- Energy Source: radio frequency
- Frequencies: 0.5 MHz; 0.75 MHz; 1.0 MHz
- Nominal operating power: up to 50 Watt
- Pulse duration: 1 s up to 8 s
- Adjustable parameters: RF -density, pulse duration and vacuum (13 levels)
- Handpiece/Applicators:
  - **S** face 3 x 15 mm without cooling
  - **M** face 5 x 15 mm with cooling
  - **L** body 20 x 25 mm with cooling and massage mode, modulate mode



# AW

## Asclepion Acoustic Waves

### Specs:

- Energy in bar: 1.5 - 3.0
- Speed in Hz: up to 11 Hz
- Pulse numbers: preselection of pulses



# APL

## Asclepion Pulsed Light

### Specs:

- Filters                      Spot sizes
- 400 – 750 nm              3 cm<sup>2</sup>
- 500 – 1200 nm            3, 5 & 8 cm<sup>2</sup>
- 550 – 1200 nm            3, 5 & 8 cm<sup>2</sup>
- 650 – 1200 nm            3, 5 & 8 cm<sup>2</sup>
- Max. Fluence: 30 J/cm<sup>2</sup>
- Pulse duration: Single 5-35 ms; Burst 35-80 ms (3 x 5-20 ms, interval 10ms)
- Max. repetition rate: 1 Hz
- Flash lamp lifespan > 100,000 pulses

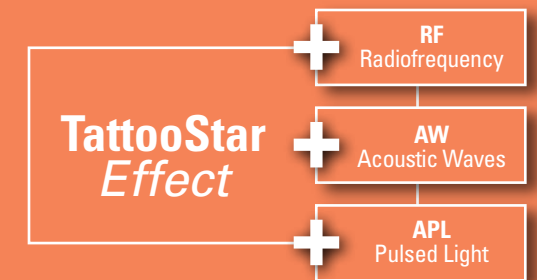
Specifications are subject to alteration.



## TattooStar Effect

# One platform, endless solutions

Asclepion introduces the **Mashup Solution**



Technology made in Germany

# Asclepion

Laser Technologies



FDA Pending

Certified according to  
DIN EN ISO 9001:2000  
DIN EN ISO 13485:2003  
Medical Device Directive  
93/42/EEC, Annex II

KOMETE

# THE ASCLEPION EFFECT THE ASCLEPION EFFECT

## Laser Applications **TattooStar Effect**

### Our Q-Switched family: four wavelengths available

Q-Switched Ruby 694 nm  
Q-Switched Nd:YAG 1064 nm / 532 nm  
Q-Switched Dye 585 nm

TattooStar is extremely effective for removing tattoos, pigmented lesions, and permanent makeup. In selective removal, the beam penetrates the skin to reach the ink particles anchored inside. The pigments absorb the light energy and are obliterated. Once destroyed, they are absorbed by the lymph system and eliminated. Treatment using the TattooStar is quick, nearly painless, bloodless and highly effective, without causing injury or leaving scars.



Laser's popcorn effect on the skin



Before treatment

After treatment

By courtesy of Dr. Patricia Steiner, Germany



Before treatment

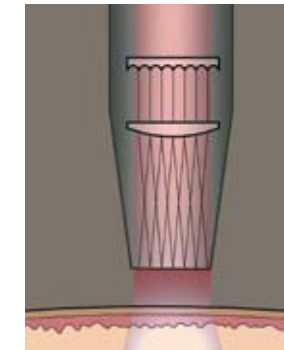
After treatment

By courtesy of Dr. Patricia Steiner, Germany

### Why Asclepion Q-Switched lasers?

#### Micro lens array with "homogeneous spot"

An exclusive system with microlenses by Asclepion Laser Technologies replaces the traditional lens system. It creates a homogeneous spot (as opposed to a "hot spot") by distributing the laser energy in a perfectly uniform manner. This eliminates the necessity to overlap and prevents over-treatment. Avoiding hot spots in this manner results in lower pain and bleeding levels. In short, the microlens array delivers improved treatment and healing.



Special microlens technology ensuring homogeneous spots

#### Q-Switched Mode

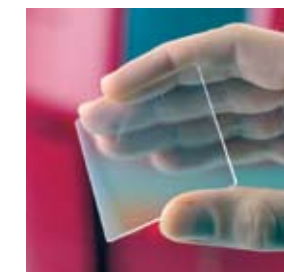
The ultra-short pulses of the Q-switched make it possible to burst the particles without any thermal side effects or scars. This increases patient comfort.



Tattoo's pigments destruction

#### Square spot with automatic spot size detection

The special shape of the TattooStar spots is designed to guarantee optimal coverage of the treatment area with greater efficiency. Unlike conventional circular spots, the square spot prevents "gaps" and overtreatment. Automatic spot detection allows for treating different conditions on every part of the body in a fast, safe and efficient way.



Micro lens array



# THE ASCLEPION EFFECT



## Laser Features **TattooStar Effect**

### Reliable, fast and powerful

The TattooStar can be in long operation, even in regions with higher temperatures and higher humidity, at a maximum speed of 2 Hz (Ruby) or 10 Hz (Nd:YAG). This makes it one of the fastest and most reliable systems on the market. Its unmatched power output of 1.2 J (Ruby) or 1.5 J (Nd:YAG) enhances your application spectrum, along with your flexibility and efficiency. The unique free running mode (Nd:YAG) allows for larger spots, resulting in faster treatment allowing for rejuvenation as an additional application.

### Nd:YAG dual wavelength (1064 nm / 532 nm) and Ruby (694 nm)

Three wavelengths give physicians the flexibility to adapt treatments precisely to the patient's needs and to a wide range of pigment colors (from darker colors to red).

### Dye handpiece (585 nm)

A special dye handpiece that changes the wavelength from 532 nm to 585 nm allows for treating an even broader color spectrum, such as blue tattoos. It is even effective on tattoos that were previously treated with other lasers and are grey or pale as a result.



Before treatment

After treatment



Before treatment

After treatment

By courtesy of Dr. Patricia Steiner, Germany



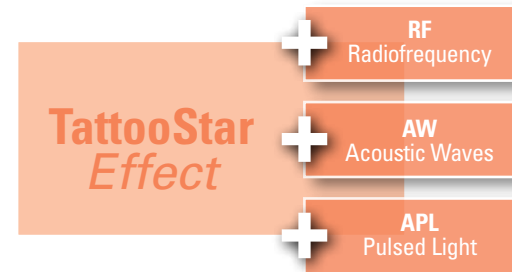
Colours range erasable with laser

## Asclepion: "More For Less"

The flexibility of the new Asclepion devices allows doctors to perform a wider range of treatments for patients. Apart from laser technology, there are various additional modules to choose from: RF (radio frequency) for skin tightening and wrinkle reduction, APL (pulsed light) for hair removal, vascular treatment and skin rejuvenation, and AW (acoustic waves) for treating cellulite and body shaping.

### Asclepion introduces the Mashup Solution

For complete flexibility, you may choose to buy your complete device all at once, or to have all modules on hand. Our goal is to help you customize your needs in the beginning, and upgrade your device as needed with the other modules.



### Asclepion's "4 Seasons" Approach

Patients request different treatments depending on the time of year. Since many laser treatments are not recommended with sun exposure during the summer months, Asclepion's modular strategy ensures that the utility of the device is optimized and maximized throughout the year.

### Get more, spend less

Asclepion offers a broad range of technologies in a single device. This gives doctors the best investment option for their medical practice: spend less, get more business opportunities, and provide excellent service to patients.

# THE ASCLEPION EFFECT

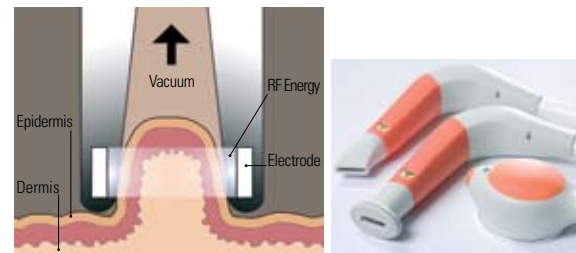
## Skin Tightening and Wrinkle Reduction **WITH** Asclepion Radiofrequency



RF

### High Frequent treatment with exclusive CoolStar

Asclepion high-frequency radio waves warm the tissue in the treated area. The higher electric resistance of the tissue leads to a higher temperature in the dermis, while the epidermis is protected with Asclepion's CoolStar system.



How RF works

RF Handpieces

The treatment involves drawing the skin up in between the electrodes by creating a vacuum, and cooling it at the same time. This procedure leads to a selective heating of the dermis, followed by collagen renewal tightened. The result is a tightened contoured skin, with immediate success after the first treatments and a further improvement over the next two to four months.

### Three different frequencies & handpieces

By offering different frequencies and three different handpieces, ARF makes it possible to treat both face and body, making the system extremely flexible. Penetration depth is managed by the choice of frequency (from 0.5 MHz to 1.0 MHz), increasing the effectiveness of the treatment and reducing side effects.

### Safe and gentle treatment

Each treatment takes about 5 – 15 minutes depending on the treated area and should be scheduled one or two weeks apart. The electrodes and the vacuum are constantly monitored by the system, which ensures a constant voltage among other things. A special power progression program helps to desensitize the patient and prevents tissue damage. These safety features make this a very gentle and safe treatment, with no anesthetics needed and no subsequent downtime for recovery.

### Radiofrequency and massage

A combination of radiofrequency and massage increases the treatment's effectiveness through fibroblast activation, a special procedure that blends the advantages of cooling, power and massage in a dynamic, flowing treatment to support skin tightening.

### Why ARF?

- Adjustable exposure depth results in high degree of flexibility
- Three ergonomic handpieces: two for face and one for body
- Exclusive CoolStar system integrated
- No additional costs for disposables
- "Intelligent" vacuum activation for safe and efficient treatment
- Combination of radiofrequency and massage
- Application-controlled user interface, patient database and indication-specific parameters

# THE ASCLEPION EFFECT

## Cellulite and Body Shaping **WITH** Asclepion Acoustic Waves System



AW

Asclepion's new Acoustic Waves System provides non-invasive cellulite treatment for thighs and buttocks. The goal is to improve skin texture and elasticity by softening the dimpling effect of the skin, and stretching the connective tissue.

### The Asclepion Solution

The Asclepion Acoustic Waves System delivers acoustic pulses to the area being treated. These create vibration in the connective tissue, loosening any rigidity. This leads to increased vascularization and the creation of a new, thickened band of collagen in the dermis.

### Clinical trials

Clinical trials have shown that the subcutaneous tissue structure is visibly improved by new collagen fibers after just six sessions. Skin elasticity also increases directly following the treatment, and additionally in the follow-up phase. After the treatment, the skin appears smoother and cellulite dimples are significantly reduced.

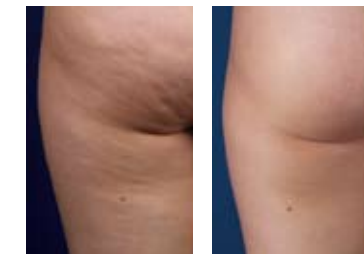
### Treatment procedures

The affected area should be treated twice a week for three weeks. The treatment takes about half an hour depending on the size of the area treated. Noticeable improvement will become visible after just three or four treatments. Maintenance sessions are suggested.

The Asclepion Acoustic Waves treatment is painless and does not lead to any "downtime".

### Why Asclepion AW?

- Fast, easy, and gentle
- No downtime
- No pain
- Convincing clinical trials
- Improved skin elasticity
- No disposables, creams or special clothing required
- Long-lasting results
- Application-controlled user interface, patient database and indication-specific parameters



Before treatment

After treatment

Cellulite treatment

By courtesy of Storz Medical AG, Switzerland



AW Handpiece



# THE ASCLEPION EFFECT

A large range of treatments  
**WITH** Asclepion Pulsed Light



Asclepion now also offers a revolutionary pulsed-light system for versatile, safe, fast and effective treatment of various conditions.

## Why Asclepion Pulsed Light?

- Plug and play filters (no change of handpiece is necessary)
- One handpiece for all applications
- CoolStar system integrated for continuous control of coolant temperature (for increased patient comfort)

The broadband radiation of the xenon lamp which emits the intense pulsed light can be adapted to the needs of the application. Asclepion's four filters enhance or limit the absorption of light by melanin, hemoglobin and water. This makes this system suitable for various applications including:

- Hair removal
- Skin rejuvenation
- Vascular lesions
- Pigmented lesions
- Acne

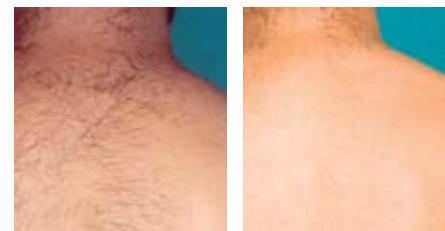


One handpiece for all applications

Treatment using the APL is quick, precise and safe, with no anesthetic needed and no subsequent downtime for recovery.

## Other Advantages/Features:

- Homogeneous spot allowing higher efficiency in treatment with proportionally lower fluence
- Self-adjusting filter and spot size recognition for convenient use
- Built-in calibration, dust protected
- Ergonomic handpiece



before treatment      6 months after treatment

Hair removal treatment  
By courtesy of M. Onesti MD, Italy



4 different plug and play filters

# THE ASCLEPION EFFECT



## The Asclepion Effect

We work daily in the field of medical research and technological innovation in order to provide positive effects for all our clients. Asclepion Laser Technologies is dedicated to making the benefits of 'Made in Germany' laser technology accessible to an increasing number of people.

## Technical support and warranty

Asclepion offers maximum technical support by specialists, both directly and through its network of local distributors, to help physicians as needed. Two great advantages are the extended two-year warranty and our online Asclepion Web Club.

## Training and updating

Jena is the home of the Asclepion training center: a center of excellence representing an endless source of information and updating in the world of laser medicine. Moreover, our international reference centers are available to interested physicians all over the world.

## Starting Kit and Welcome Kit

Asclepion ships the laser device with two free kits. The Starting Kit includes guides and manuals to assist physicians with everything from installation to treatment protocols. The Welcome Kit provides support for the practice: it includes patient flyers, a pre- and post-treatment guide, anamnesis forms, "Asclepion" nameplate, and a number of other promotional tools.

## Premium Kit

Asclepion has also created a wider range of relationship tools exclusively for our top medical partners: a personal website, a clinical case book with "before" and "after" pictures, a DVD of laser treatments to be shown in waiting rooms, and a survey for accessing the market demand. Also included is the Asclepion Marketing Guide, which is invaluable for optimal management and organization of the medical practice.

## Our Web Club and its advantages for physicians

Asclepion has reserved a special online area for its community of doctors. This "Web Club" platform features information and personalized services for physicians and their patients and a forum for dialoguing and for sharing expertise with colleagues around the world.

## Asclepion introduces the Mashup Solution

The flexibility of the new Asclepion devices allows doctors to perform a wider range of treatments for patients. Apart from laser technology, there are various additional modules to choose from: Radiofrequency, Pulsed Light, Acoustic waves.

For complete flexibility, you can choose to buy your complete device all at once, to have all modules on hand or, if you prefer, buy your laser in the beginning and upgrade your device as needed with the other modules, whenever you wish.

# TECHNICAL LASER SPECIFICATIONS

## TattooStar Effect

### LASER TYPE

Q-Switched Nd:YAG Laser, frequency doubled  
Q-Switched Ruby laser

### WAVELENGTH

532 and 1064 nm  
694 nm

### PULSE RATE

Max. 10 Hz  
Max. 2 Hz

### PULSE DURATION

Q-Switched-mode: approx. 8 ns  
Free-running-mode: max. 250 µs  
Approx. 40 ns

### FLUENCE\*

1064 nm: max. 37 J/cm<sup>2</sup>  
(Q-Switched max. 20 J/cm<sup>2</sup>)  
532 nm: max. 10 J/cm<sup>2</sup>  
694 nm: max. 25 J/cm<sup>2</sup>

### SPOT

2,5 - 4 - 5,5; optional 2 mm;  
free running 7 mm (square shape)  
2,5 - 4 - 5 - 6 mm; optional 2 mm;  
(square shape)

### LASER CLASS

4  
4

Nd:YAG laser specs - in black  
Ruby laser specs - in white

\* depends on device version



Choose your colour



silver



platinum

Design by Shaker - G. Pieralisi - Conceptcubed

# Discover the advantages of the new Asclepion Display for doctors and patients.

Asclepion's new mashup systems have a **12" display** with an easy-to-use, color touchscreen. This tool has been **completely reviewed** and approved for use by doctors during treatments.

Doctors can show **videos of treatments** to their patients, choose the indication, and have the corresponding parameters set automatically. During the treatment, they can continually refer to the display for **procedure suggestions**. Patients gain reassurance about the procedure and the results by watching the video and viewing the **"before" and "after" pictures**.

As a unique feature, the display may be **detached from the device** and used as a **tabletop digital support** while meeting with patients. Doctors can also work with the new widely-used Windows® interface and use a USB connection to save his own before and after pictures files, thereby creating a **patient database**.

**Once again**, Asclepion proves its commitment to improving the doctor-patient relationship by providing the best possible tools and support.



Indication list



Work screen



Pre & Post Pictures



Watch treatment videos

Windows® is a registered trademark of Microsoft Corporation in the United States and other countries.