MEDIOSTAR®

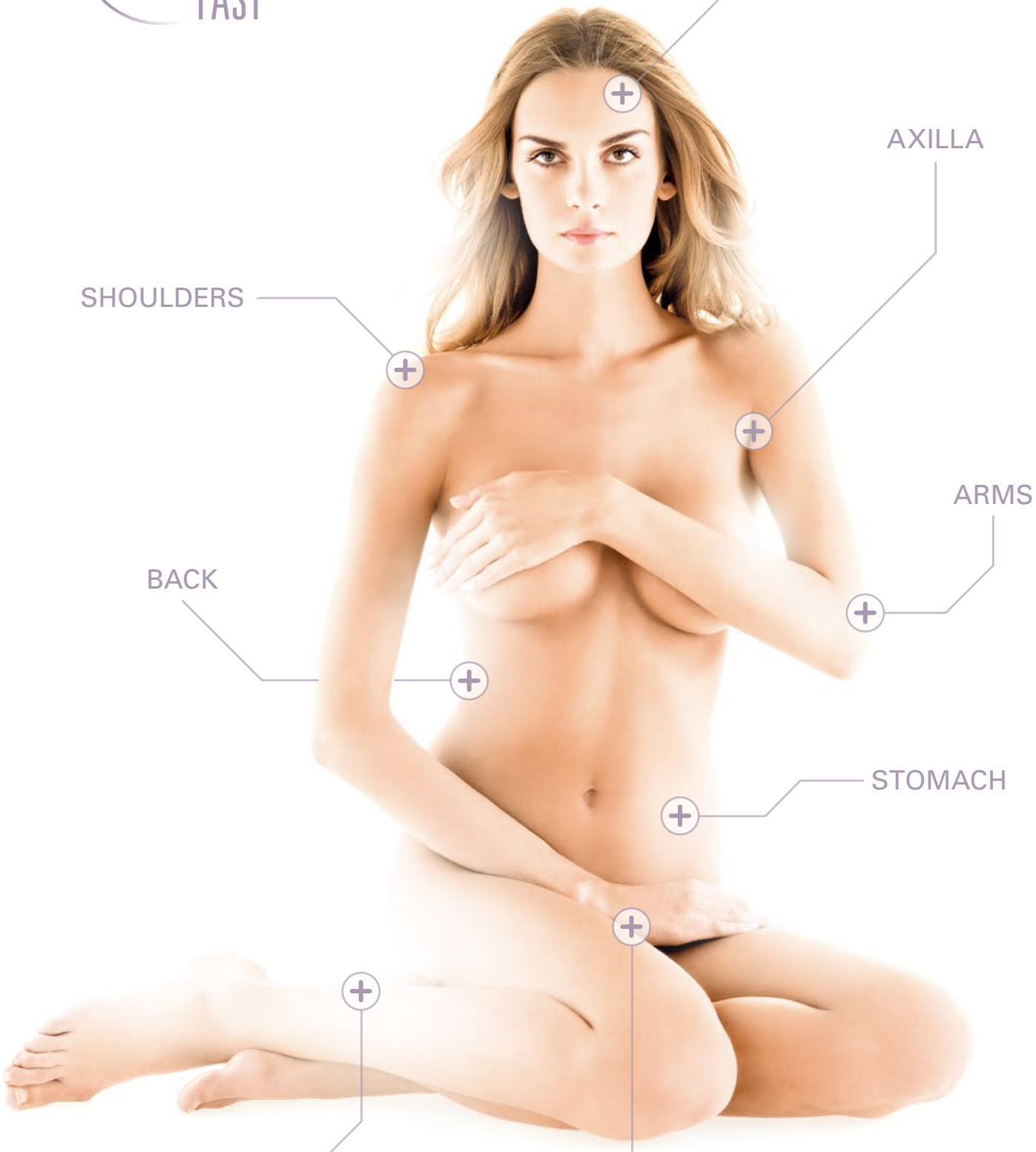
State-of-the-Art
Laser Workstation for
Medicine and Aesthetics

APPLICATIONS

- Hair removal
- Vascular treatments
- Acne treatment
- Pigment removal
- Skin tightening
- Skin whitening

Asclepion
Laser Technologies

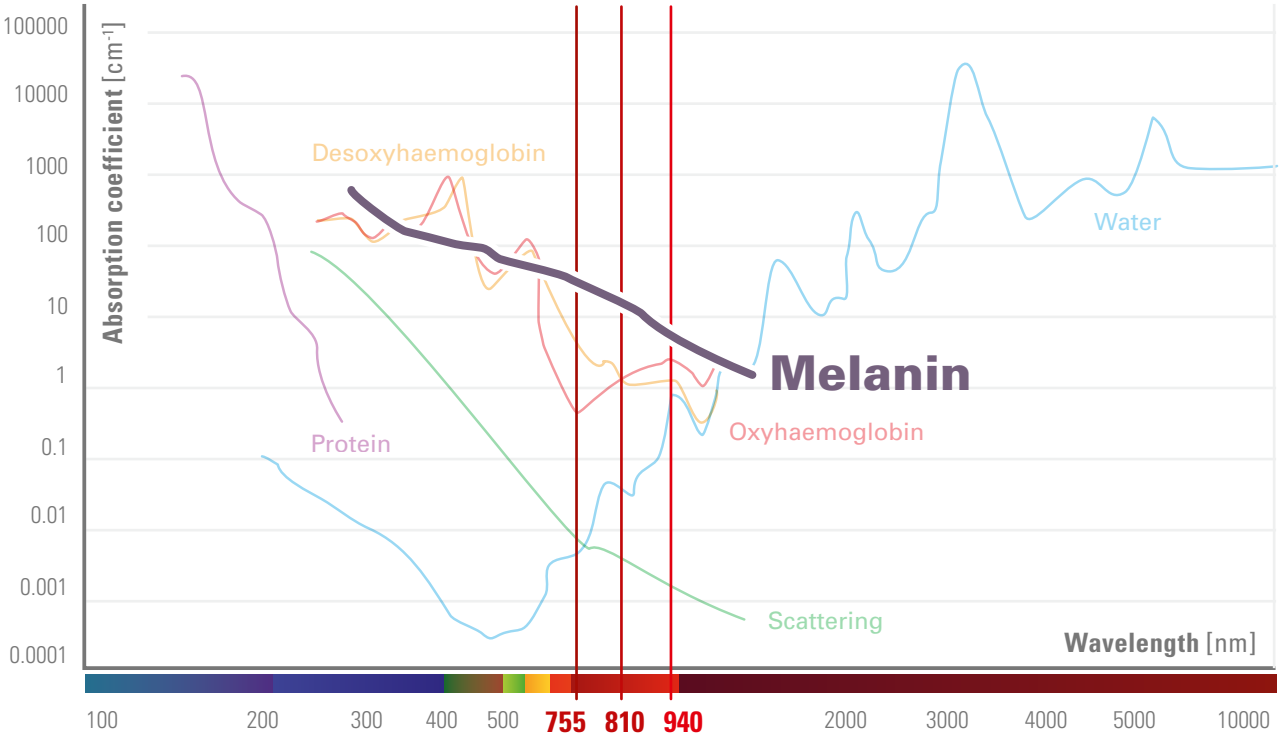
EFFECTIVE
POWERFUL
FAST



HAIR REMOVAL
WITH DIODE LASER

Approximately 70 % of women under the age of 35 remove their hair, in particular from underarms, legs and the genital area. This is a lasting trend that even has older women and men jumping on board too. Removing hair with epilation, waxing, or shaving is no longer the exception but rather the norm. The University of Leipzig conducted a statistical survey in 2008 on students with an average age of 23 years. According to this survey, 93 % of women shave their legs, 97 % their underarms and 87 % their genital area. For men, underarms rank first with 71 % of men removing hair from there, followed by 67 % of men removing hair from the genital area. And 36 % of men remove hair from the upper body. It's therefore no wonder that for men and women alike, laser hair removal is among the top five most popular non-surgical beauty procedures in the USA. In 2009, USD 362 million was spent on laser hair removal in America, and it's a multibillion dollar business worldwide.

Light therapy is the most effective method to permanently reduce hair growth. Various scientific studies have shown that a wavelength of 810 nm is best suited for this purpose. It ensures optimal absorption in the melanin target area while simultaneously protecting the surrounding tissue. The MeDioStar's unique mix of wavelengths also targets vessels and thereby improves the results.



HANDPIECES FOR HAIR REMOVAL

ALX | Monolith S | Monolith M | Monolith L | Monolith XL

SIMPLE
PROTECTIVE
CONVINCING

VASCULAR TREATMENTS
WITH DIODE LASER

Disturbing vessels such as small blood thrushes, port-vein stains, spider naevi, couperose, cold sores, haemangioma or lymphangioma frequently affect both men and women. While small blood thrushes already occur in three to six percent of all newborns, changes to blood vessels only develop during the course of a lifetime. Spider veins primarily affect women. Risk factors include genetic predisposition, UV radiation, age, hormone fluctuations, smoking, consumption of alcohol or the topical application of corticosteroids. Although finely widened blood vessels generally do not in any way represent signs of illness, for those affected they often represent an aesthetic nuisance - particularly when they are expressed on visible parts of the body, such as on the face, the neck or the cleavage.

Operations and cryotherapy are listed among conservative treatment options. However, they can be very painful, particularly for extensive occurrences. Spider veins often go hand in hand with sclerotherapy or surface stripping. However, all of these methods are either not permanent or constitute invasive treatment. Laser therapy with a high-performance diode laser is highly efficient, protective, precise, non-invasive and is not connected to any downtime for the patient. The application only lasts a few minutes and the initial results can be observed immediately. The MeDioStar® provides an ergonomic handpiece, especially designed for the treatment, with a wavelength of 940 nm and treatment modes.

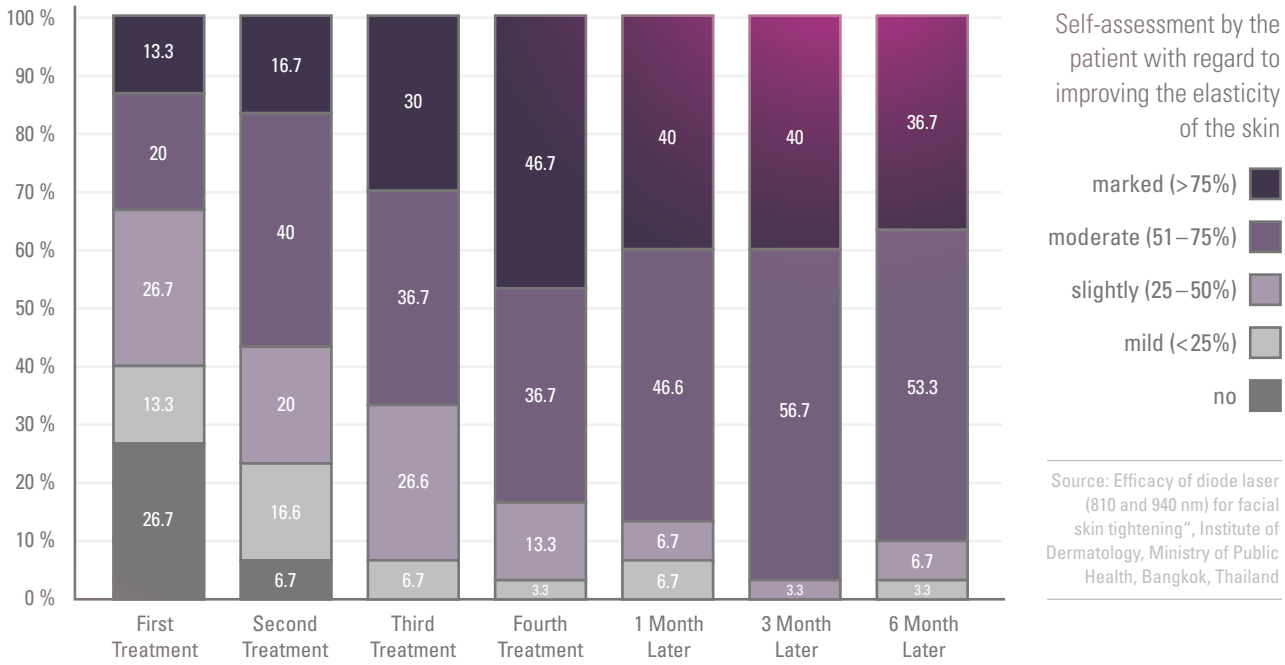
SCIENTIFIC
PROVEN
SUCCESSFUL

SKIN REJUVENATION & ACNE TREATMENT

WITH DIODE LASER

Nowadays anti-ageing treatments constitute roughly 50 % of all aesthetic treatments. While folds can be easily alleviated with the help of fillers, botulinum toxin or ablative lasers, there is a multitude of dermatological problems – for example, pigment disorders, sun damage, acne, or coarse-pored skin – which adversely affect the complexion. These situations call for a procedure that allow an extensive and in-depth rejuvenation of the skin. Although in the past chemical peelings were recommended for skin rejuvenation and antibiotics or antiseptics for acne treatment, nowadays laser and infrared technology is tried and tested.

The MeDioStar® offers both possibilities. The laser handpieces allow for the epidermis to be warmed up with a wavelength of 810 nm, which stimulates the production of collagen, which in turn increases metabolic processes and improves the skin's complexion. The same principle is applied to the infrared technology on the KOBRA handpiece (soon to be available as a module upgrade). The practitioners can select their preferred technology and thus are more flexible in treating the needs of the patient.



Source: Efficacy of diode laser (810 and 940 nm) for facial skin tightening", Institute of Dermatology, Ministry of Public Health, Bangkok, Thailand

HANDPIECES FOR SKIN REJUVENATION AND ACNE TREATMENT

Monolith S | Monolith M | Monolith L | Monolith XL

Asclepion introduced the first generation of the MeDioStar® back in the late 90s and continued to develop the technology. The quality is distinguished by efficient skin cooling, large treatment spots, high speeds, straightforward user guidance and individual treatment concepts.

NOW PRESENTING THE LATEST GENERATION OF ...

SHELF FOR ACCESSORIES

TWO HANDPIECE PORTS

POWERFUL COOLING SYSTEM

MULTI-FUNCTIONAL TROLLEY

MODERN DESIGN

MEDIOSTAR®

The MeDioStar® comes in an innovative design and with revolutionary technologies in all areas. From the mains adapter to the cooling system, including the electronics, display, handpieces, user guidance, and footswitch, the system has been completely redeveloped from scratch. A 'Made in Germany' innovation

- Maximum power combined with the shortest pulses
- Unique wavelength mix 810/940 nm
- Maximum speed for all skin types
- Monolith handpieces with 360° contact cooling
- Plug-and-play system for a fast set-up
- Unique mechanics for easy maintenance
- Wireless footswitch

Max. 5000 W
POWER

3 - 400 ms
PULSE DURATION

Max. 20 Hz
FREQUENCY

OPERATION
MADE IN EASY

The MeDioStar® has a 10.1" touchscreen LCD featuring a completely redesigned and intuitive user interface. Users can select between the menu for treatments and settings. Beginners can choose the desired treatment, and the device then sets up the recommended parameters. Experts can go directly to the working screen and configure the parameters themselves. There are also individually configurable online counters, which display the treatment time or pulse rate in real time.

- Modern 10.1" LCD with touchscreen
- Intuitive menu for beginners and experts
- Online counter for the best overview
- Large buttons and symbols for a clear visualisation
- Dark background for stronger contrast and even more brilliant colours
- Clear accentuation of active elements with changes in colour and size

MONOLITH

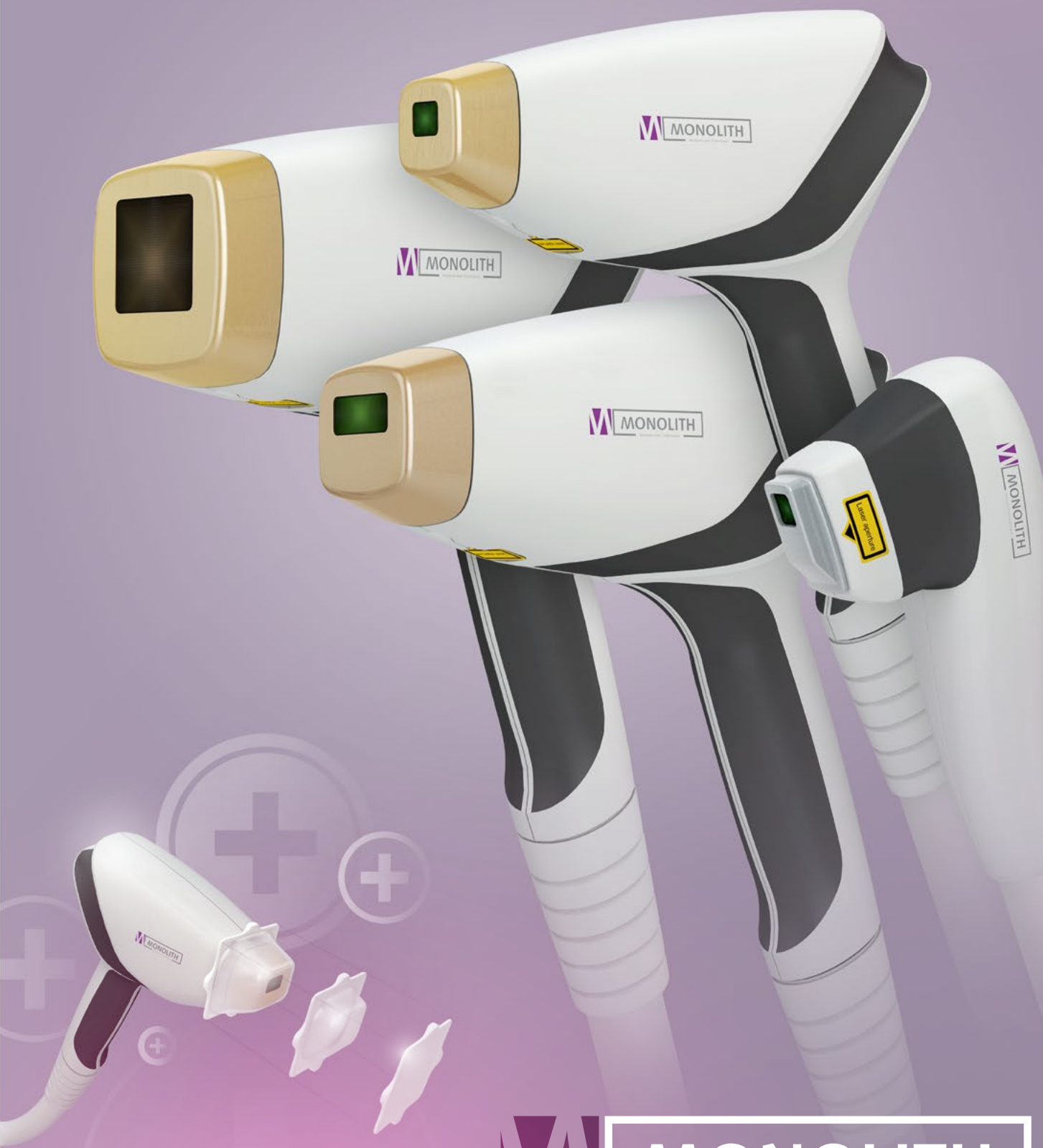
HANDPIECES

The new, lightweight and ergonomic Monolith handpieces are setting new standards in aesthetic laser medicine and ensure maximum stability. The specially developed technology, design and treatment concept featuring a 360° contact skin cooling system as well as exclusively selected materials enables a long service life and absolute safety. The perfect tool for every user's day-to-day work.

Handpiece	Monolith S	Monolith M	Monolith L	Monolith XL
Spot size	1 cm^2 (10 x 10 mm)	1.5 cm^2 (15 x 10 mm)	3 cm^2 (30 x 10 mm)	10 cm^2 (31.5 x 31.5 mm)
Power	Max. 1275 W	Max. 1700 W	Max. 3400 W	Max. 5000 W
Fluence	1 – 50 J/cm^2	1 – 60 J/cm^2	1 – 60 J/cm^2	1 – 25 J/cm^2
Pulse duration	3 – 400 ms	3 – 400 ms	3 – 400 ms	3 – 400 ms
Wavelength	810 / 940 nm	810 / 940 nm	810 / 940 nm	810 / 940 nm

- Maximum stability and reliability
- Various handpieces and large spots
- Low weight combined with maximum flexibility
- 360° contact cooling system for highest safety
- Homogeneous laser spot protected by sapphire glass
- Hygienic single use protection
- Different modes for individual treatment concepts

ERGONOMIC
FLEXIBLE
STABLE



MONOLITH
Asclepion Laser Technologies

TROLLEY

MULTIFUNCTIONAL & UPGRADABLE

The trolley was specially developed for the MeDioStar® and is an integral part of the laser as one unit. In addition to the option to store accessories, the trolley can also be upgraded in a number of ways. The system can be flexibly equipped with additional high-tech modules in the future and makes the MeDioStar® the most flexible laser workstation on the market.

- Storage space for handpieces and accessories
- Future-proof thanks to module upgrades
- Ergonomic wheels for easy transport
- Elegant design for an aesthetically perfect appearance

ASCLEPION

COMPETENCE, EXPERIENCE, SUCCESS

For more than 40 years, Asclepion Laser Technologies has been a leader in international medical laser technology, producing advanced laser systems for dermatology, aesthetic medicine and surgery. The company headquarter is in the Jena Optical Valley, which is world-renowned as the home of the German optical industry. Here the company continually invests in the research and development of new technologies. Today, customers **in more than 70 countries** trust the 'Made in Germany' technology and the scientific expertise of Asclepion.

The MeDioStar®, the 6th generation high power diode laser, can look back on a history of unrivalled success achieved around the world. This is a testament to its effectiveness, safety and top quality.

MORE THAN
10 000
users all around the world

MORE THAN
5 000 000
patients successfully treated

Our understanding of top quality also encompasses a customer-driven philosophy. That's why we strive do our best every day, so that we can offer not only the best technology but also the entire spectrum of services: 360° support for you.

TRAINING & EDUCATION

Asclepion LASER TECHNOLOGIES ACADEMY

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

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

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

Asclepion
Laser Technologies

TECHNICAL SPECIFICATIONS

Laser	High power diode, class 4	Handpiece	Max. Fluence	Spot size
Power	Max. 5000 W	Monolith S	50 J/cm²	1 cm²
Wavelength	755, 810, 940 nm	Monolith M	60 J/cm²	1.5 cm²
Pulse duration	3 – 400 ms	Monolith L	60 J/cm²	3 cm²
Frequency	Max. 20 Hz	Monolith XL	25 J/cm²	10 cm²
Modes	Static, Dynamic	ALX	36 J/cm²	1.4 cm²
Display	10.1" LCD with touchscreen	VAS	210 J/cm²	0.12 cm²
Dimensions	41 x 71.5 x 97 cm³	Weight	65 kg (incl. trolley)	

(All specifications are subject to change without notice)

www.mediostar-laser.com

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