

# MEDIOSTAR®

POWER LINE V



The power solution  
for non-invasive  
leg vein treatment  
and more

Asclepion  
Laser Technologies

# Discover the power of the 940 nm Wavelength

The perfect balance of efficacy and safety for leg vein treatment.

The wavelength of 940 nm offers an ideal combination of high absorption in haemoglobin, low absorption in water and sufficient penetration depth. This effectively obliterates the leg veins without damaging the surrounding tissue.

## Superior Haemoglobin Absorption

Compared to the 1064 nm wavelength, 940 nm offers significantly higher absorption in haemoglobin.

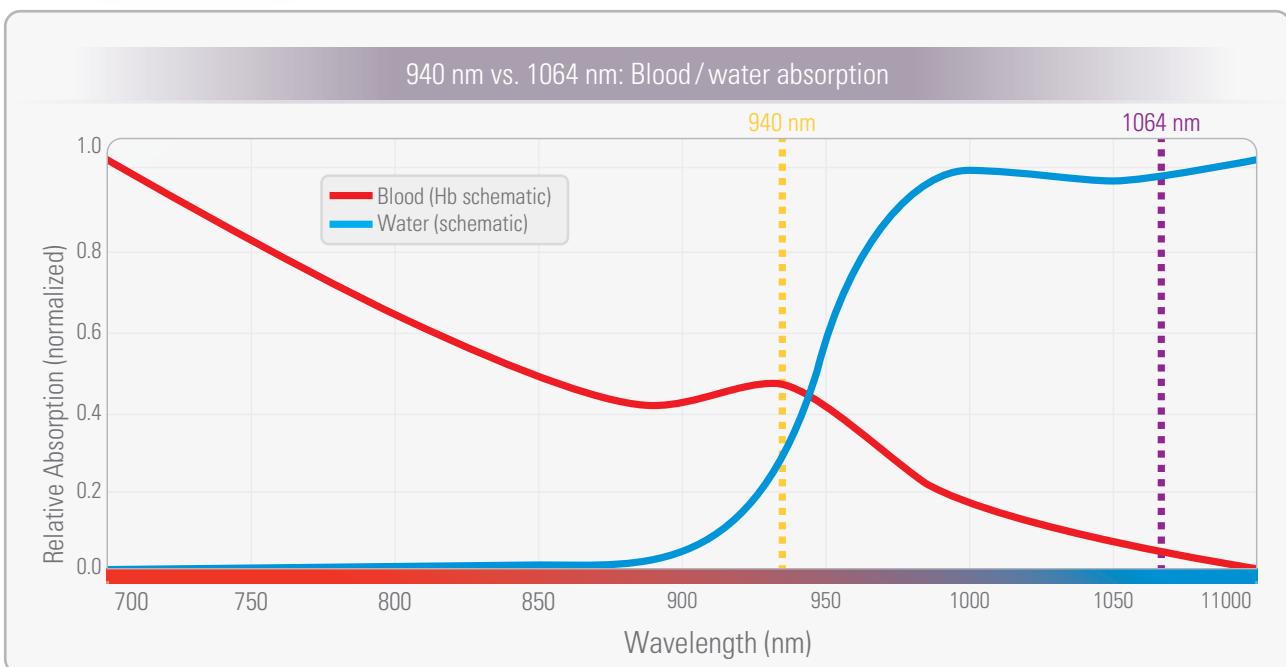
This means energy is delivered more precisely and efficiently to blood vessels, resulting in visible results with lower energy input. Surrounding tissue remains protected, minimizing unnecessary thermal stress.

## Enhanced Safety Across Skin Types

With moderate melanin absorption in comparison to shorter wavelengths, 940 nm reduces the risk of skin discoloration or burns, particularly in darker skin tones. This makes it an excellent choice for achieving optimal results while maintaining skin safety.

## Targeted Precision for Leg Veins

The 940 nm wavelength is especially effective for treating leg veins. It penetrates deeply enough to reach the affected vessels without impacting deeper structures, ensuring focused treatment with minimal side effects.



Note: Image based on literature data (Jacques 2013; Bashkatov 2011; Kono & Yamada 2019; OMLC/Prahl; Palmer & Williams 1974). For trend illustration only.

## Effective Leg Vein Treatment with Cutting-Edge Laser Technology

When it comes to treating leg veins, various technologies are available, but not all deliver the same results.

The diode laser with 940 nm and high power sets new standards and offers significant technological advantages over the traditional Nd:YAG longpulsed laser at 1064 nm. Choose the innovative solution!

Technology comparison*	Diode	Nd:YAG
Wavelength	940 nm	1064 nm
Side effects	+++	++
Clearance	+++	++
Visibility	+++	++
Reliability	+++	++
Operating costs	+++	++
+ good      ++ very good      +++ optimal		

\* Evaluation based on clinical studies and the comprehensive, long-standing expertise from clinical and technical laser experts

## Patient benefits at a glance

- ⊕ High selectivity in haemoglobin ensures a gentle treatment
- ⊕ Suitable for sensitive and darker skin types
- ⊕ Treatment results are immediately visible
- ⊕ Short treatment time (less than 10 minutes)
- ⊕ Optimal treatment result without purpura
- ⊕ No needles, no injections or anaesthesia required
- ⊕ Less pain thanks to improved cooling





## Aiming beam for precision

The aiming beam provides exact visual guidance for every pulse. It ensures precise targeting, even in complex areas. Reduce guesswork and improve consistency. Precision starts before the pulse. A small feature with a big impact.

## Improved skin cooling

Enhanced cooling ensures patient comfort and protects the skin during high-energy treatments. It supports longer sessions with minimal downtime. A smoother experience for both operator and client. Reliability you can feel.

## Plug & Play setup

No setup hassle, just plug in and start treating. The handpiece connects instantly, saving valuable time. Ideal for fast-paced environments and multi-user clinics. Simplicity meets speed. Efficiency built into every detail.

## Minimum pulse length of 3 ms

With a minimum pulse length of just 3 ms, treatments are more gentle, targeted and effective. This precision reduces thermal load while maximizing impact. Perfect for sensitive skin and fine structures. Efficiency meets safety in every pulse.

Say goodbye to leg veins with the next generation of diode technology. The PowerLine V delivers high performance for vascular treatments, combining power, accuracy, and comfort in one sleek design. Engineered for professionals, this breakthrough handpiece uses the proven 940 nm wavelength to target vessels with maximum efficiency and minimal downtime. The result? Efficient treatments, consistent results, and enhanced patient experience.

## Better visibility with distance holder

The integrated distance holder improves visibility and positioning during procedures. It helps maintain the optimal treatment distance with ease, enhancing accuracy and reducing operator fatigue. For clear vision and precise application in every pass.

## Five times the power for greater treatment control

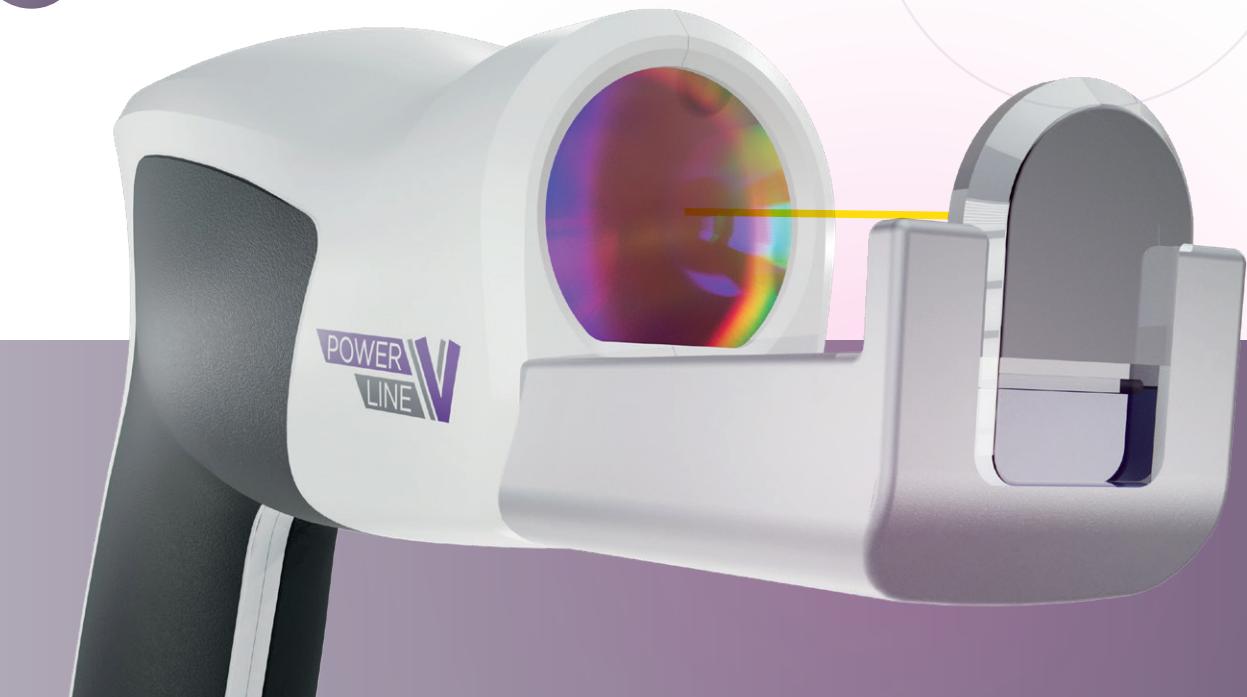
With five times the power of the previous generation, the system supports a broader range of clinical applications. Increased output allows flexible parameters for precise energy delivery. A solid basis for controlled and reliable performance.



# THE NEW POWERLINE V

experience the advantages

Well done.



Comfort meets  
performance

- Perfected ergonomics
- Improved visibility
- Great results

3-100ms

PULSE DURATION

1.35 kW

POWER

12mm<sup>2</sup>

SPOT SIZE

DOUBLE THE PORTS,  
DOUBLE THE FLEXIBILITY

SHELF FOR  
ACCESSORIES

POWERFUL  
COOLING  
SYSTEM

TROLLEY  
FOR HANDPIECES  
AND ACCESSORIES

WIRELESS FOOTSWITCH  
FOR A CLEAN WORK-  
SPACE (OPTIONAL)

DETACHABLE  
HANDPIECE HOLDERS

10.1" LCD WITH  
INTUITIVE USER  
INTERFACE

MeDioStar

UPGRADABLE  
WITH 9  
HANDPIECES  
FOR EVERY NEED

MODERN  
DESIGN



## START YOUR BUSINESS

The 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 <sup>2</sup> (10 x 10 mm <sup>2</sup> )	1.5 cm <sup>2</sup> (15 x 10 mm <sup>2</sup> )	3 cm <sup>2</sup> (30 x 10 mm <sup>2</sup> )	10 cm <sup>2</sup> (31.6 x 31.6 mm <sup>2</sup> )	
Power	Max. 1275 W	Max. 1700 W	Max. 3400 W	Max. 5000 W	
Fluence	1 – 50 J/cm <sup>2</sup>		1 – 60 J/cm <sup>2</sup>		1 – 25 J/cm <sup>2</sup>
Pulse duration			3 – 400 ms		
Wavelength			808 nm / 940 nm		
Treatments			Hair removal, Acne treatment, Skin rejuvenation		



- ⊕ Maximum stability and reliability
- ⊕ Various handpieces and large spots
- ⊕ Low weight combined with maximum flexibility
- ⊕ 360° contact cooling system for highest safety



## BOOST YOUR OPTIONS

Asclepius introduces the complete PowerLine series. These advanced handpieces combine maximum performance with short pulses, ensuring precise treatments and outstanding results. The ideal tool for professionals who demand efficiency and reliability in their daily practice.

Handpiece	PowerLine L	PowerLine YAG	PowerLine ALX	PowerLine MIX	PowerLine V	
Spot size			3 cm <sup>2</sup> (30 x 10 mm <sup>2</sup> )			0.12 cm <sup>2</sup> (4 x 3 mm <sup>2</sup> )
Power	Max. 5000 W	Max. 4000 W		Max. 5000 W		Max. 1350 W
Fluence		1 – 60 J/cm <sup>2</sup>		1 – 50 J/cm <sup>2</sup>	1 – 60 J/cm <sup>2</sup>	25 – 150 J/cm <sup>2</sup>
Pulse duration		3 – 400 ms		3 – 100 ms	3 – 400 ms	3 – 100 ms
Wavelength	808 nm / 940 nm	1060 nm	760 nm	760 / 1060 nm		940 nm
Treatments	Hair removal, Acne treatment, Skin rejuvenation		Hair removal			Vascular treatment



- Homogeneous laser spot protected by sapphire glass
- Hygienic single use protection
- Different modes for individual treatment concepts

# TROLLEY

## MULTIFUNCTIONAL

The trolley is custom-designed for the MeDioStar® and seamlessly integrates with the laser as a single unit. Its sleek, aesthetic design perfectly complements the device, while the convenient click-open drawers provide a lot of space for additional accessories. Style meets functionality for your everyday practice.



- + Storage space for handpieces and accessories
- + Ergonomic wheels for easy transport
- + Elegant design for an aesthetically perfect appearance

# ASCLEPION

## COMPETENCE, EXPERIENCE, SUCCESS

For more than 45 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  
**10 000 000**

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



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)



# TECHNICAL SPECIFICATIONS

MeDiOStar®		Upgrade PowerLine V - Software 2.05.3 required	
Laser	High power diode, class 4	Laser	Diode, class 4
Wavelength	760; 808; 940; 1060 nm *	Wavelength	940 nm
Power	Max. 5000 W *	Power	Max. 1350 W
Pulse duration	3 – 400 ms *	Fluence	25 – 150 J/cm <sup>2</sup>
Frequency	Up to 20 Hz *	Pulse duration	3 – 100 ms
Spot size	Up to 10 cm <sup>2</sup> *	Frequency	0.5 – 4 Hz
Display	10.1" LCD with touchscreen	Spot size	4 x 3 mm <sup>2</sup>
Dimensions	41 x 71.5 x 97 cm <sup>3</sup> (incl. Trolley)	Contact-Cooling	Integrated, 3 levels from 5 to 15 °C
Weight	65 kg (incl. Trolley)	Aiming beam	Integrated, adjustable intensity

(Specifications are subject to change without notice)

\* depending on handpiece

www.asclepion.com



..... ALWAYS THE LATEST PRODUCT INFORMATION



DEVICE CERTIFIED ACCORDING TO  
MEDICAL DEVICE DIRECTIVE 93/42/EEC

**MADE IN GERMANY**

THIS BROCHURE IS NOT INTENDED FOR U.S. MARKET

