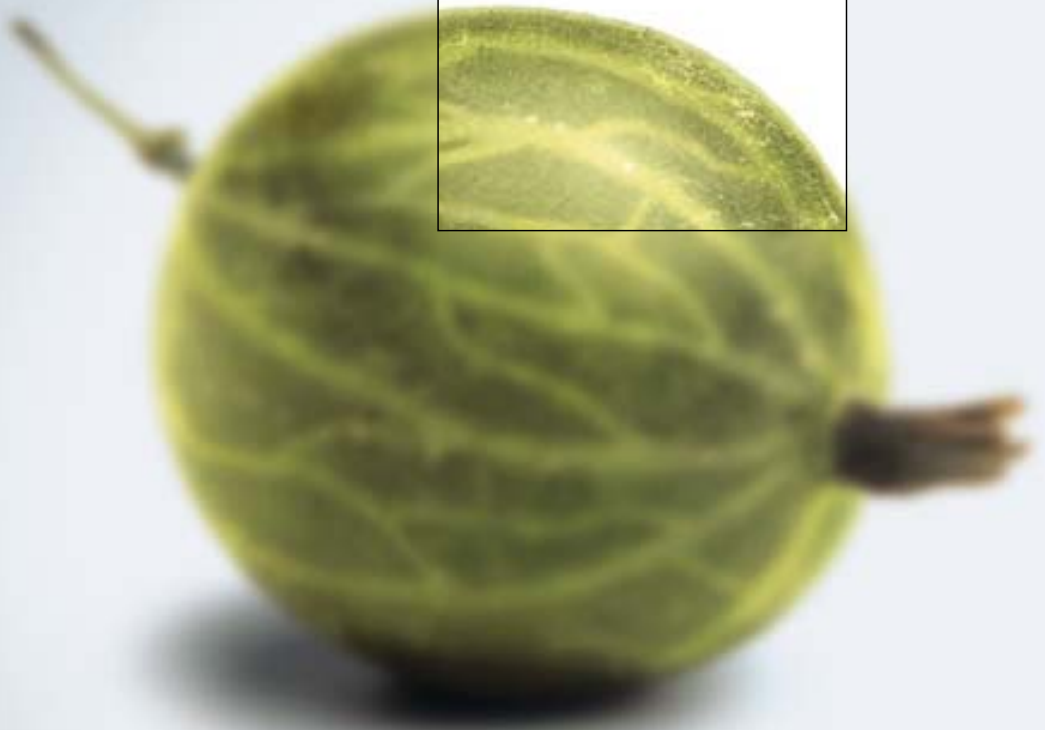


MYDON

The Nd:YAG Laser System for
the Treatment of Leg Veins and
for Hair Removal



WaveLight
Laser Technologie AG

The MYDON is a long-pulsed Nd:YAG laser for the effective removal of leg veins. Due to its 1,064 nm wavelength, the MYDON is also suitable for the removal of unwanted body hair in patients of every skin type.

MYDON Applications

Profound: Vascular Treatment

The laser beam of the MYDON laser system has a penetration depth of more than 4 mm. This feature makes the MYDON an optimal laser system for the removal of deeper vascular lesions. The system's specially developed burst mode divides laser emissions into several short pulses. Given the different thermal relaxation times of the skin and the target structure, blood vessels are destroyed selectively and thermal effects to the epidermis and surrounding structures are minimized.

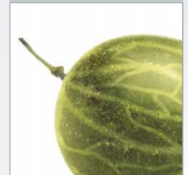
Unlimited: Hair Removal

The MYDON allows variation of the pulsewidth in epilation mode. This feature helps to ensure safe and effective hair removal – regardless of skin type. Given the combination of high output and large spot diameter, the MYDON works up to 40% faster than other Nd:YAG lasers. This application efficiency is increased even further via optimized photon recycling. That portion of energy that is reflected by the skin and lost with conventional systems is redirected into the tissue.

Operating the MYDON Laser System

Safe: Contact Cooling

Thanks to the applicator's form and the integrated handpiece cooling mechanism, the treatment surface is cooled before, during and after laser-beam emission. A separate cooling device is therefore not necessary.





Selectable: Large Pulsewidth

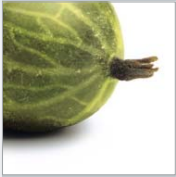
The MYDON laser system offers a large range of pulsewidth. This enables the user to select a pulsewidth that optimally matches the application and the skin and hair type of the patient.

Flexible: Ultra Convenient Mode Switching

Switching between the two modes (vascular and epilation) is extremely easy. The device detects the proper treatment mode automatically as soon as the handpiece insert clicks into place in the applicator. The device accordingly makes only those parameters available that match the particular application.

Tidy: Integrated Cable

All system leads, such as the fiber and the supply for the skin cooling mechanism, are neatly and safely tucked away in a durable sleeve of synthetic fiber.



The Advantages at a Glance:

- Cost-effectiveness
 - Investment in a single laser system for two distinct areas of application (treatment of leg veins, hair removal)
 - Applications frequently demanded
- Hair removal for all types of skin
- High efficacy with maximum skin protection
- Integrated cooling before, during and after beam emission
- Integration of the fiber and all electrical leads in a durable sleeve of synthetic fiber
- Automatic handpiece recognition (convenient mode switching)
- Increased efficacy via photon recycling in epilation mode with contact cooling
- Easy system operation via LCD display

Technical Specifications

Laser class	4
Laser type	Nd:YAG
Wavelength	1,064 nm
Beam diameter	3 / 10 mm
Energy density	15 – 300 J /cm ²
Pulse width	10 – 200 msec
Repetition rate	1 – 4 Hz
Beam delivery	Fiber optic light guide
Skin cooling	Contact cooling, cold-air unit (optional)
Device cooling	Air cooling
Power requirements	230 V, 16 A, 50/60 Hz
Dimensions (L x W x H)	84 x 35 x 102 cm
Weight	73 kg
Compliance	IEC 601/IEC 825
	EC Medical Device Directive (MDD) 93/42/EEC

Technical specifications are subject to change without notice.