

UNILAS Touch

CO₂ Laser

Company Profile

Limmer Laser GmbH is a German company, specialising in the design, manufacture and sale of medical lasers and accessories. Our products cover all the major disciplines of human, dental and veterinary medicine. For each discipline a broad range of high quality accessories is available, such as the VACULAS smoke evacuator. The product range includes CO₂ Lasers, Diode Lasers and Specialty Lasers.

Instead of simply focusing on separate devices, our philosophy is to create multipurpose, integrated and highly functional work stations. Working with our loyal customers all over the world, and our established network of suppliers and distributors, we will continue to provide innovative solutions for modern medicine far into the future.

We have a strong emphasis on research and development, production, service and training. Working in conjunction with hospitals and physicians is just as important as good communication. Product quality is our No. 1 priority: Our company is certified to the stringent European Quality Standard EN ISO 13485:2003+AC:2009.



Limmer Laser GmbH

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The 4th Laser Generation
Extremely Precise, Powerful and Interdisciplinary



UNILAS Touch

One device for many applications

The smart choice for both hospitals and private clinics: Superior laser technology combined with an easy-to-use interface.

UNILAS Touch One Cost-effective entry-level model	UNILAS Touch Pro High-power advanced model	UNILAS Touch Duo Powerful dual-wavelength model
30 Watt @ 10.600 nm	60 Watt @ 10.600 nm	30 / 60 Watt @ 10.600 nm 20 Watt @ 980 nm

- **High output power in all operating modes** for clearly reduced collateral damage during SuperPulse treatment
- **Innovative UltraSharp Laser Technology** for extremely sharp spot sizes & improved tissue effects
- **Large 10,4" True Color Touch Panel** for easy and intuitive use
- **Multi-user system** for infinite storage of individual user programs
- **Interactive assistant program** for easy selection of treatment parameters
- **Specialized handpieces and scanner system** for more control during laser treatments



Scanning patterns of new μ s Scanner SurgiScan X2



Scanner system SurgiScan X2 is the essential accessory for **superficial, athermic treatment** of tissue. It enables precise cutting, ablation and fractional therapy of tissue and supports the **newly developed Er:YAG ablation mode**.

Superior handling by design

- **As versatile as no other laser**
Offers a smart design for maximum performance and best patient outcome
- **Two types of beam delivery**
Prepared for use with both articulated arms and flexible laser fibers
- **Large True Color Touch Panel**
All functions and accessories are controlled directly by the laser's display
- **Broad variety of accessories and (combined) wavelengths**
Can be linked to accessories such as the VACULAS smoke evacuator
- **Low total cost of ownership, highest stability**
No need for frequent recalibration or realignment of optical components
- **Long lifetime by highest product quality**
Made in Germany according to the highest quality standards (DIN EN 13485:2003+AC:2009) for a long lifetime



Wireless remote control of smoke evacuator VACULAS 3000

Designed for interdisciplinary use in hospitals and private practices

- **ENT**
Tonsillectomy & tonsillotomy, tumor surgery, LAUP (laser-assisted uvulopalatoplasty), nasal polyps, stapes surgery, vocal cord carcinoma, rhynophyma, fiber-assisted cutting of tissue, etc.
- **Gynecology**
Condylomata, dysplasia / neoplasia, carcinoma, papilloma, laparoscopy, cysts, labiectomy, leukoplakia, vaginal atrophy, vaginal rejuvenation, fractional therapy, etc.
- **Neurosurgery**
Cephalic surgery, tumor removal, tissue ablation
- **Dermatology & Aesthetic - Cosmetic Surgery**
Fractional therapy (for skin rejuvenation, scars, stretch marks, and more), tissue ablation (e.g. rhynophyma, pigmented lesions), condylomata, etc.
- **General Surgery**
Coagulation, cutting or ablation of tissue by handpiece, endoscope or microscope
- **Proctology**
Coagulation of blood vessels, papilloma, etc.
- **Dentistry**
Implantology, parodontology, etc.



Technical specifications of CO₂ Laser UNILAS Touch:

Laser type	CO ₂ Laser with TEM ₀₀ Mode, λ 10.600 nm (optional: diode laser λ 980 nm)	Pilot beam	Red (635 nm), bright (<10 mW), adjustable, for modern microscopes & colposcopes
Operating modes	Continuous Wave (CW), Enhanced SuperPulse, Ultra-Short Pulser Mode	Assistance program	Integrated assistant with recommended parameter settings for all medical disciplines
Activation profiles	Continuous emission, Single Pulse (1 ms - 5 s), Pulse repetition (1 ms - 5 s)	Cooling system	Modern low noise air cooling, including a purge air system with bacterial filter
Beam delivery	Free-moving articulated arm with 7 joints and a 360° rotation for an extensive treatment range of 150 cm (optional: fiber)	Connectivity	USB port for the export of treatment protocols & import of software updates, scanner system, fiber port (optional) electrical supply 110 - 120 V / 230 - 240 V
Control panel	Large 10,4" True Colour Touch Panel	Size & weight	30 x 125 x 40 cm (W x H x D), 56 kg