

Smartepil **II** PLUS
Smartepil **LS**
Smart **vs**



Long-pulse Nd:YAG laser systems

SMARTEPIL, EPILATION AND VASCULAR TREATMENTS OF THE FUTURE.

Smartepil, the first long-pulse Nd:YAG laser launched on the world market from which a complete and diversified line of products has sprung. In 1998 with the introduction of the first system, Deka was the absolute pioneer in this technology which has witnessed extensive application in a multitude of clinical indications, both in dermatology and cosmetic surgery. The most commonly adopted scientific rationale at that time, in other words, the research for the greatest selectivity possible, was revolutionised by the introduction of the 1064 nm wavelength. Not only has the use of Nd:YAG laser in laser-assisted epilation procedures demonstrated its efficacy in these applications, but it has also given rise to unexpected developments of great interest in the field of cosmetic surgery, including the transdermic vascular treatments and that complex phenomenon known as skin rejuvenation.

With a large number of systems already in use, Smartepil has become an important reference point for a wide variety of applications.

Epilation: Smartepil has proved to be a valid instrument in laser-assisted epilation especially in the treatment of darker phototypes.

Vascular treatments: telangiectasias of the face and legs can be treated quickly and easily with a reduced risk of side effects.

Skin rejuvenation: the deep heat action that induces the stimulation of the connective tissue brings about an aesthetic improvement of the skin texture.

SMARTEPIL II PLUS

Smartepil II plus is a rapid, safe and reliable epilation system. Thanks to the preset protocols in the evolved software, it allows for carrying out non-invasive vascular treatments in full respect of the patient's social life. The system is fitted with a wide range of interchangeable quick-release handpieces, with electronic recognition of the spot and the protocol.

As an alternative to the traditional pedal controls, the handpieces also come with manual switches. The automatic scanner enables the covering of large homogeneous areas, optimising the control of the high intensity emitted by the source. The system allows for integrating skin cooling provided by the efficient Smart Cryo cool-air generator.



Smartepil II plus

SMARTEPIL LS

Smartepil LS combines its great versatility in epilation and the treatment of vascular lesions with the compactness and easy-transportability of the system. It reproduces the same vascular protocols developed for Smartepil II plus, and at the

same time is indicated for epilation of tricky areas like the face, armpits and bikini line. Fitted with the full range of Smartepil accessories, it is the ideal partner for the professional who needs to operate in a number of different studios.



Smart VS



Smartepil LS

SMART VS

Due to having been designed exclusively for vascular treatments, this is the most specific system of the Smartepil range which ensures fast amortisation of the investment made.

Like all the other Smartepil systems, it can be fitted with a polarised light viewing system for ensuing better identification of the target to be treated as well as the operator's maximum comfort.



SMART CRYO

Epilation and vascular treatments require efficient skin cooling in order to limit damage to the deeper structures and safeguard the epidermis from adverse heat effects. Smart Cryo is a powerful

cool-air generator that provides intense localised skin cooling without any contact, thus guaranteeing a high degree of hygiene and an efficient cooling action, indispensable in the use of high intensity laser systems.



Smart Cryo

HANDPIECES

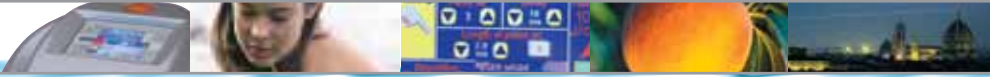
Designed to offer the utmost in user-friendliness and practicality, Deka handpieces combine the versatility of a wide array of spot diameters with the absolute precision and homogeneity of the area treated.

The spot diameters range from 2.5 mm to 10 mm with automatic recognition and manual emission control (only with the **Smartepil II plus** model).

The parts in contact with the patient can be removed for easy disinfecting.

The scanner allows for piloting the high intensity emitted, thus combining the rapid treatment of large surface areas with the homogeneity and precision of a high-performance computerised system.





CLINICAL RESULTS - VASCULAR

FACE

Before



After



Courtesy of M. Bellini MD

FACE

Before



After



Courtesy of P. Lepeyre MD

FACE

Before



After



Courtesy of P. Bonan MD - G. Cannarozzo MD - P. Campolmi MD

FACE

Before



After



Courtesy of A. Major MD

LEG

Before



After



Courtesy of U. Mueller MD

LEG

Before



After



Courtesy of U. Mueller MD

CLINICAL RESULTS - HAIR REMOVAL

LEG

Before



After



Courtesy of J.L. Levy MD

AXILLA

Before



After



Courtesy of J.L. Levy MD

BIKINI LINE

Before



After



Courtesy of: Régia Celli Ribeiro Patriota MD-Luiz Carlos Cucé MD

FACE

Before



After



Courtesy of: Régia Celli Ribeiro Patriota MD-Luiz Carlos Cucé MD

TECHNICAL DATA

	Smartepil II plus	Smart VS	Smartepil LS	Smart Cryo	
Laser type	Nd:YAG	Nd:YAG	Nd:YAG	Temperature of treat. -35° C (max)	
Wavelength	1064 nm	1064 nm	1064 nm		
Fluence	35J	9.8J	11J		
Repetition rate	Single pulse - 6 Hz max	Single pulse - 2 Hz max	Single pulse - 5 Hz max		
Pulse width	up to 100 ms	up to 20 ms	up to 20 ms		
Spot sizes	2.5, 5, 7, 10 mm	2.5 mm	2.5, 4, 5, 6 mm		
Controllo elettronico	Microprocessor	Microprocessor	Microprocessor		
User interface	LCD	LCD	LCD		
Electrical requirements	230 Vac/16 A (max)/50 - 60 Hz	230 Vac/8.5 A (max)/50 - 60 Hz	230 Vac/8.5 A (max)/50 - 60 Hz		230 Vac/10 A (max)/50 Hz
Aiming beam	Laser HeNe 1 mW @ 632.8 nm	Laser HeNe 1 mW @ 632.8 nm	Laser HeNe 1 mW @ 632.8 nm		
Dimensions	92 cm (H), 40 cm (D), 80 cm (W)	68 cm (H), 23 cm (D), 65 cm (W)	68 cm (H), 23 cm (D), 65 cm (W)		111 cm (H), 46 cm (D), 33 cm (W)
Weight	90 kg	38 kg	38 kg		55 kg

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MAIN APPLICATIONS


- EPILATION
- VASCULAR TREATMENTS
- SKIN REJUVENATION

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DEKA THE SCIENCE OF WELL-BEING

Deka is the medical division of the El.En.Group, Italian leader in the production of laser equipment. Founded in 1981 it operates in more than 40 countries throughout the world. The Group's activity covers the majority of industrial applications and laser sources with powers up to 6 kW. Deka produces laser equipment in compliance with the specifications of Medical Device Directive 93/42/EEC and adopts a strict quality assurance system certified by  according to the ISO 9001 and ISO 13485 standards.



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