

PHOTOSILK PLATFORM



Springs of well-being



Pulsed Light technology

Photosilk platform

The evolution of technology:

A unique platform serving the specialist.

Not only light sources, but also a technological base that opens up a whole world of therapeutic possibilities. A new, efficient method applied to cosmetic medicine and dermatology, the Photosilk platform represents the latest horizon in laser and pulsed light technology, the most valid and reliable aid for professionals, capable of streamlining and optimising daily practice while offering undeniable clinical advantages.

Thanks to its innovative handpieces capable of transmitting the light radiation in a highly efficient manner, the advantages of using the Photosilk platform technology are most evident in the treatment of pigmentation and vascular lesions, ablative and non-ablative photorejuvenation, and epilation.

The advantages of **Photosilk platform** are most evident in the following applications:

- treatment of pigmentation lesions
- ablative and non-ablative photorejuvenation treatment
- epilation.

The ergonomics, user-friendliness, and safety are the key factors that have allowed Deka to provide the best possible therapeutic solution.

ERGONOMICS

The special design of this system always puts the user at ease. The position of the controls, the shape of the handpieces, the direction of the panel and all the other features are the result of years of collaboration with hundreds of experts.

The position of the patients and the professional users, their most frequent actions and movements, have been studied in an ongoing manner in the aim of eliminating even the most minute cause of discomfort, as well as incorporating all the suggestions and valid ideas springing from extensive experience in this sector.

PHOTOSILK PLUS AND LASER TECHNOLOGY

Photosilk plus is the pulsed light system that offers the greatest flexibility in the approach to treatment thanks to the possibility of controlling the parameters, like the establishing of the duration and energy of every single pulse, the programming of up to three pulses and relative interval, and the automatic equalising of the pulse duration or energy. A system featuring high intensity emissions for the most demanding professionals, as well as an efficient incorporated cooling device for combining high potential with maximum safety.

Two laser handpieces enhance the versatility of this device, combining the elective applications of the Nd:YAG and Er:YAG lasers with the therapeutic indications of pulsed light.

Photosilk plus



CLINICAL CASES OF PHOTOREJUVENATION



Before



After



Before



After



Before



After



Before



After

CLINICAL CASES OF EPILATION



Before



After



Before



After



Before



After



Before



After

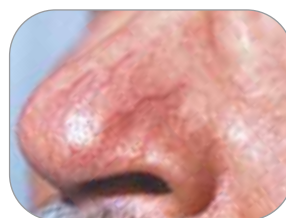
CLINICAL CASES OF LASER TREATMENT



Before



After Er:YAG treatment



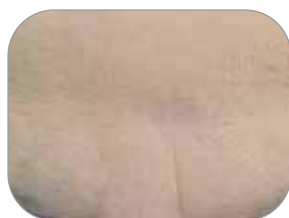
Before



After Nd:YAG treatment



Before



After Er:YAG treatment



Before



After Nd:YAG treatment

Courtesy of:
P. Campolmi MD - P. Bonan MD - G. Cannarozzo MD (Florence - Italy)
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HANDPIECES

Two families of handpieces inspired by the same technological concept of "Close-Coupling". This has made extreme miniaturisation of laser sources possible with the acquisition of a patent for pulsed light, the most efficient method of transferring energy to biological tissue without any lateral dispersion. Each handpiece contains a microchip identifying its typology, serial number and the number of pulses emitted, informing the user of the operating conditions of the system. Three different spectra in the handpieces allow for increasing the versatility in epilation and photorejuvenation, even for the darker phototypes, and two different surfaces allow for easy treatment of the different anatomical sites.

Laser handpieces with two different wavelengths: Nd:YAG for treating vascular lesions of the face and lower limbs and epilation of small areas, and Er:YAG for ablative photorejuvenation treatment.



WPL 500

500 ÷ 950nm
46 mm x 10 mm (4.6 cm²)
46 mm x 18 mm (8.3 cm²)



WPL 550

550 ÷ 950nm
46 mm x 10 mm (4.6 cm²)
46 mm x 18 mm (8.3 cm²)



WPL 650

650 ÷ 950nm
46 mm x 10 mm (4.6 cm²)
46 mm x 18 mm (8.3 cm²)

U-Shape PATENTED TECHNOLOGY

WPL Handpiece



Nd-YAG 1064nm
Er-YAG 2940nm

Spot dimension
2.5/4 mm



Laser Handpiece

VERSATILITY AND EFFICACY

A technological synthesis without any compromises, a focal point and state-of-the-art of laser light and polychromatic light. The wide range of wavelengths and light bands ensures the most ample operability and a concrete investment that meets the real needs of professionals. An innovative multiple pulse generating system with various levels of programmability and equalisations: at last the theory of selective photothermolysis is translated into a truly eclectic system.

Deka puts twenty year's experience at your disposal.

PHOTOLIGHT

An exceptional condensate of technology streamlined into compact, functional dimensions for ensuring a rational and immediate approach to a constantly evolving professional market. PhotoLight is ideal for those working in different studios who require greater practicality and application possibilities. PhotoLight supports the exclusive SmartPulse system, capable of supplying specific pulses for photorejuvenation and guaranteeing increased safety especially in treating the darker phototypes. PhotoLight is equipped with UPL handpieces offering longer life, compactness, user-friendliness, and the high degree of reliability and efficiency that have always distinguished Deka's products. With this system it is also possible to use Er:YAG and Nd:YAG laser handpieces, further widening the range of application possibilities in both the fields of traditional surgery and vascular treatment. This all makes Photolight a perfect and extremely valid instrument capable of meeting all the demands of modern dermatological and cosmetic surgery studios.

MAIN APPLICATIONS

- ABLATIVE AND NON-ABLATIVE PHOTOREJUVENATION
- EPILATION
- VASCULAR TREATMENTS
- PIGMENTATION LESIONS
- HIGH TREATMENT EFFICACY AND SPEED (8.3 cm²/s)
- WELL-TOLERATED TREATMENT
- COMPLETE, INTUITIVE SOFTWARE
- VERSATILITY



Photolight

TECHNICAL DATA


	Photosilk plus		Photolight	
Type of source	Xe Lamp (U-Shape)		Xe Lamp (U-Shape)	
Spectrum of emission	@PL 500 500 ÷ 950nm @PL 550 550 ÷ 950nm @PL 650 650 ÷ 950nm		@PL 500 500 ÷ 950nm @PL 550 550 ÷ 950nm @PL 650 650 ÷ 950nm	
Treated area	46 mm x 10 mm (4.6 cm ²) 46 mm x 18 mm (8.3 cm ²) 21 mm x 10 mm (2.1cm ²)		46 mm x 10 mm (4.6 cm ²) 46 mm x 18 mm (8.3 cm ²) 21 mm x 10 mm (2.1cm ²)	
Pulse duration	3 ÷ 25 ms (1 ÷ 3 pulses)		35 ms	
Pulse delay	10 ÷ 100 ms		-	
Pulse frequency	1 Hz (max)		1 Hz (max)	
Fluence	4 ÷ 32 J/cm ² (4.6 cm ²) 2.5 ÷ 18 J/cm ² (8.3 cm ²)		up to 30 J/cm ² (4.6 cm ²) up to 16 J/cm ² (8.3 cm ²)	
Skin cooling	Integrated		-	
Type of source	Er:YAG	Nd:YAG	Er:YAG	Nd:YAG
Wavelength	2940 nm	1064 nm	2940 nm	1064 nm
Spot size	2.5/4 mm	2.5/4 mm	2.5/4 mm	2.5/4 mm
Pulse lenght	Short: 600 µs Long: 1000 µs	Short: up to 6.6 ms Long: up to 25 ms	up to 1000 µs	up to 15 ms
Repetition rate	5-10 Hz	0.5-5 Hz	5 Hz	1.5 Hz
Fluence	2.4-15J/cm ²	20-225J/cm ²	up to 2.4-6.4J/cm ²	up to 200J/cm ²
Electrical requirements	230 Vac/10 A/50/60 Hz		230 Vac/5 A/50/60 Hz	
User interface	LCD Colour Touch Screen		LCD Colour Touch Screen	
Dimensions and Weight	103 cm (H), 48 cm (D), 50 cm (W); 65 kg		24 cm (H), 38 cm (D), 50 cm (W); 18 kg	

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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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