

PHOTOSILK PLUS



MEDICINE AND AESTHETICS

PHOTOSILK PLUS

Non-ablative Photorejuvenation
Vascular Lesions
Hair Removal
Skin Tightening
Dermatology
Skin Surgery

**Laser and Pulsed Light:
the Premium Solution for Skin
Imperfections and Blemishes**

**U-shape Pulsed Light
Patented Technology**



The Code of Excellence

PHOTOSILK PLUS

SIMPLY RELIABLE, ECLECTIC AND EFFICIENT

DEKA Photosilk Plus is a platform that offers versatility, practicality and safety thanks to the new pulsed light and laser sources technologies. The system can be equipped with additional handpieces and the patented technology (U-shape Pulsed Light) provides unique features for efficiency, adaptability and control of operating parameters for daily practice and treated patients.

The Photosilk Plus is indicated for pigmented and vascular skin lesions, skin surgery, ablative and non-ablative photorejuvenation, and also hair removal. The platform is compatible with a large number of enhancing options that fits your needs thus provide the widest possible new applications in dermatology and aesthetic medicine.

"DEKA's Photosilk Plus is a valuable solution that has lightened my clinical activity. It is a practical, versatile and functional device, tailored specifically for a wide array of treatments ranging, from progressive hair removal to superficial vascular lesions and photorejuvenation treatments. From the very first application I was able to perfectly adapt the treatment to patient needs, guaranteeing short sessions, total comfort and reduce recovery time."

Prof. Piero Campolmi, MD
Department of Dermatology
University of Florence, Italy

MEDICINE AND AESTHETICS

PHOTOSILK PLUS



The Photosilk Plus control panel

PHOTOSILK PLUS: NO MORE SECRETS IN DERMATOLOGY AND AESTHETIC MEDICINE

Developed for hair removal and non-ablative photorejuvenation, Photosilk Plus is a pulsed light source system that can be expanded at any time thanks to the Er:YAG (2940nm) and Nd:YAG (1064nm) laser handpieces.

Photosilk Plus is unrivalled in particular in the following applications:

- Non-Ablative Photorejuvenation;
- Photo Epilation (given the innovative “U-Shape” handpieces);
- Treatment of Benign Pigmented Lesions;
- Treatment of Vascular Lesions of the Lower Limbs such as Telangiectasia (Nd:YAG laser);
- Ablative Photorejuvenation with the Er:YAG Erbium laser



The handy Nd:YAG LP laser pistol

6	UPL Handpieces.
3	Lasers.
Close Coupling	New technological principle designed to reduce lateral light dispersion.
U-Shape	The exclusively patented “U” shape of the DEKA bulbs.

U-SHAPE PULSED LIGHT: PATENTED PULSED LIGHT



The unrivalled compactness of the pulsed light UPL handpiece

DEKA, a world leader in scientific research and development of high-tech laser systems has improved the "Close-Coupling" technology combining the miniaturisation of laser sources and allowing the @PL patent for pulsed light (U-shape Pulsed Light).

A groundbreaking solution designed for optimizing the transfer of energy to the biological tissue without the lateral dispersion of refraction phenomena; enhancing the pulsed light performance through the use of special "U" shape lamps.

A system reaching high emission powers that offers the physician total control of operating parameters, including:

- **The duration and energy of each individual pulse;**
- **The pulse sequence (up to three) and the interval between each one);**
- **Automatic equalisation by duration or by energy.**

The @PL handpieces offers unique and constant features guaranteed for up to 60,000 pulses per lamp. The size of the treatment area and the setting of the operating parameters, together with ergonomics and user-friendly, guarantee an unrivalled performance in the market.

An incorporated gauge makes it possible to monitor the energy output of the handpieces and their correct operation throughout lamp life. An indispensable control function included in all pulsed light systems.

Each handpiece includes a microchip identifying type, serial number and number of pulses delivered, providing the user with immediate information about the operating system condition.

ENHANCED VERSATILITY WITH SELECTION OF THE SPECTRUM AND THE EMISSION SURFACE

Three different spectrum selections and two different emission surfaces assure easy treatment of different parts of the body, enhancing the versatility of application in hair removal and photorejuvenation treatments.



The exclusive integrated cooling system maintains the surface of the handpiece in contact with the skin at a temperature of 10°C, exploiting the exceptional potential of the platform in the utmost safety, without thermal damage to the treated areas whilst ensuring maximum patient comfort.

LASER: TWO HANDPIECES, INFINITE APPLICATIONS

The pulsed light treatment indications are completed by the laser handpieces, expanding the range of applications of Photosilk Plus in the dermatology and aesthetics field through the following sources:

- Nd:YAG (1064 nm) for vascular treatment of the face and lower limbs and hair removal for small areas;
- Er:YAG (2940 nm) for ablative photorejuvenation.

PHOTOREJUVENATION



Pigmented Lesions Treated with Pulsed Light

Courtesy of: G. Cannarozzo, MD - P. Bonan, MD - P. Campolmi, MD.
Florence, Italy.



Er:YAG Skin Resurfacing

Courtesy of: G. Cannarozzo, MD - P. Bonan, MD - P. Campolmi, MD.
Florence, Italy.

HAIR REMOVAL



Pulsed Light Hair Removal

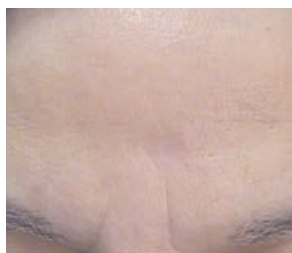
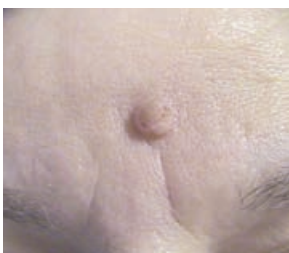
Courtesy of: G. Cannarozzo, MD - P. Bonan, MD - P. Campolmi, MD.
Florence, Italy.



Pulsed Light Hair Removal

Courtesy of A. Le Pillouer - Prost, MD - Marseille, France.

SKIN BLEMISHES AND VASCULAR LESIONS



Dermic Nevus Treated with Er:YAG Laser

Courtesy of: G. Cannarozzo, MD - P. Bonan, MD - P. Campolmi, MD.
Florence, Italy.



Legs Teleangiectasias Treated With LP Nd:YAG Laser

Courtesy of U. Mueller, MD - Nuremberg, Germany

TECHNICAL DATA

UPL Handpieces (U-Shape Pulsed Light)

Source	Xe Lamp
Spectrum of Emission	500-950 nm 550-950 nm 650-950 nm
Treatment Area	46 mm x 10 mm (4.6 cm ²) 46 mm x 18 mm (8.3 cm ²)
Pulse Duration	3 - 25 ms (1 - 3 pulses)
Delay Between Pulses	10-100 ms
Repetition Rate	1-6 s
Fluence	3-32 J/cm ² (4.6 cm ²) 4-18 J/cm ² (8.3 cm ²)
Contact Skin Cooling	Integrated
Control Panel	LCD Colour Touch Screen
Electrical Requirements	230 Vac / 10 A / 50-60 Hz
Dimensions & weight	103 cm (A), 48 cm (L), 50 cm (P); 65 Kg

Laser Handpieces

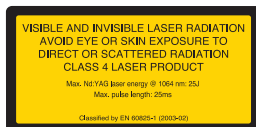
Source	Er:YAG	LP Nd:YAG
Wavelength	2940 nm	1064 nm
Spot Sizes	2,5 / 4 mm	2,5 / 4 mm
Pulse Duration	Short: 600 µs Long: 1000 µs	Short: up to 1.3 ms Long: up to 25 ms
Fluence	2,4 – 15 J/cm ²	20 - 225 J/cm ²
Repetition Rate	5 – 10 Hz	0,5 - 5 Hz
Length of Pulse Burst	-	-
Energy per Pulse	Up to a 1 J	Up to 25 J

This brochure is not intended for the market of USA.



NON-ABLATIVE PHOTOREJUVENATION - VASCULAR LESIONS
HAIR REMOVAL - SKINTIGHTENING - DERMATOLOGY - SKIN SURGERY

CE
0459



The Code of Excellence

Dealer stamp



www.dekalaser.com

DEKA M.E.L.A. s.r.l.
Via Baldanzese, 17 - 50041 Calenzano (FI) - Italy
Tel. +39 055 8874942 - Fax +39 055 8832884

DEKA The Code of Excellence
A spin-off of the E.I. En. Group, DEKA is a world-class leader in the design and manufacture of lasers and light sources for applications in the medical field. DEKA markets its devices in more than 80 countries throughout an extensive network of international distributors as well as direct offices in Italy, France, Germany, Japan and USA. Excellence is the hallmark of DEKA's experience and recognition garnered in the sphere of R&D in over thirty years of activity. Quality, innovation and technological excellence place DEKA and its products in a unique and distinguished position in the global arena. DEKA manufactures laser devices in compliance with the specifications of Directive 93/42/EEC and its quality assurance system, certified by  is in accordance with the ISO 9001 and ISO 13485 standards.