

Fotona

choose perfection



years of innovation



Intelligent Dentistry



reddot winner 2020

SkyPulse®

Committed to Engineering

The Highest Performance, Best Made Laser Systems in the World

SkyPulse®

Advanced Technology Made Simple

SkyPulse Er:YAG Laser Treatments:

- SSP and SWEEPS® Endodontics
- Periodontics
- Peri-Implantitis
- Oral Surgery
- Desensitization
- Ceramic Debonding
- TouchWhite Tooth Whitening

SSP and SWEEPS® Endodontics

The SSP single-pulse mode represents Fotona's proven Photon-Induced Photoacoustic Streaming Modality¹ for effective irrigation of entire root canal anatomy. Additionally the revolutionary SWEEPS® (Shock Wave Enhanced Emission Photoacoustic Streaming) technology enables enhanced non-thermal photoacoustic shock waves generation resulting in improved cleaning and debridement.



Patented solution for treatment optimization

SIZE	FIBER	DEPTH
Small	Flat 300	Shallow
Medium	Flat 400	Medium
Large	Radial 400	Deep

UPPER LOWER
R-SWEEPS
mJ / pulse
15.0

SkyPulse Diode Laser Treatments:

- Photobiomodulation and Pain Management
- Soft Tissue Modifications
- Oral Lesions, Herpes, Aphthae
- Disinfection
- Photodynamic Therapy
- Intraoral Photocoagulation
- Hemostasis

Modern, easy-to-use graphical user interface

Er:YAG laser handpiece

UniFlex - light and flexible laser beam delivery



Optional Footswitch Wireless Pro

¹Olivi G., DiVito E., Peters O., Kaitsas V., Angiero F., Signore A., Benedicenti S. (2014) Disinfection efficacy of Photon-Induced Photo-acoustic Streaming on root canals infected with *Enterococcus faecalis*: As ex vivo study. JADA 2014; 145(8):843-848

² Lukač M., Olivi G., Constantin M., Lukač N., Jezeršek M. Determination of Optimal Separation Times for Dual-Pulse SWEEPS Laser-Assisted Irrigation in Different Endodontic Access Cavities. Lasers Surg Med. 2020 Dec 1.



Optional diode laser handpiece



H02



H14



H14-NS



H14-NE



R17



R21-C3



LA adapter



MarcCo S, M and L

Optional diode laser modules

SkyPulse Trolley

Easy to Use

With the latest concepts in graphical user interface design, the dentist can select preset options with a simple touch or adjust the treatment parameters with a simple swipe.

Light and Flexible

The SkyPulse's unique articulated 'fiber' delivery makes the handling of the 360° swivel handpiece extremely flexible and virtually without resistance, reducing fatigue and enabling easy access to any treatment site.



SkyPulse® Endo Tabletop Unit with Instrument Trolley



New Revolutionary Adaptive Structured Pulse Technology

Wide Selection of Diode Modules

SkyPulse's unique design allows additional high-performance diode-module accessories for the broadest range of diode laser wavelengths and soft-tissue treatment options. Now also available with TANDEM.

Compact and Portable

SkyPulse is an exceptionally small and light Er:YAG laser that easily fits into a modern dental office and can be shared among several offices.

Versatile

SkyPulse offers a wide range of easily changeable handpieces for multi-functionality and optimal effectiveness.

SkyPulse®

The Laser for Modern Dental Practices

SkyPulse®	SkyPulse ENDO	SkyPulse PLUS	SkyPulse MULTI-3	SkyPulse MULTI-4
Wavelength	Er:YAG*	Er:YAG*	Er:YAG* + 2-wavelength diode module**	Er:YAG* + 3-wavelength diode module**
Modes	AutoSWEEPS, R-SWEEPS, SSP ENDO, USP ENDO, SP	AutoSWEEPS, R-SWEEPS, SSP ENDO, USP ENDO, SSP, MSP, SP, LP, VLP, QSP	AutoSWEEPS, R-SWEEPS, SSP ENDO, USP ENDO, SSP, MSP, SP, LP, VLP, QSP, TANDEM	AutoSWEEPS, R-SWEEPS, SSP ENDO, USP ENDO, SSP, MSP, SP, LP, VLP, QSP, TANDEM
Spray	No	Yes	Yes	Yes

*2940 nm

**Please check the availability of the different diode module options with your local Fotona representative.

Unique Fotona Diode Application



Fotona's unique TANDEM technological solution offers combined action of two diode wavelengths in one treatment. In this way, dentists can perform soft tissue ablation with simultaneous coagulation and disinfection, or simultaneous photobiomodulation of the target tissue for superior treatment outcomes.

Now available with all SkyPulse diode modules!

Fotona
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www.fotona.com

Fotona, d. o. o.
Stegne 7
1000 Ljubljana
Slovenia
EU

Fotona, LLC
4343 W Royal Lane #116
Irving, TX 75063
USA

Fotona Beauty Light, (Suzhou)
Medical Devices Co, Ltd.
No 2, Zengfu Road, Guli Town
Changshu City, Jiangsu Province
CHINA, 215515

Fotona France SARL
47 Boulevard de Courcelles
75008 Paris
France
EU

Fotona GmbH
Hohlbachweg 2
73344 Gruibingen
Germany
EU

Fotona Japan, Ltd.
Tokyo
Japan

All Fotona medical lasers are CE marked and approved to be sold in the EU. For countries where specific national approvals or clearances are required, some of the products and/or applications may not yet have been approved. Please check with Fotona, your local Fotona distributor or your national regulatory body about whether a specific product or application has been approved to be marketed and sold in your country.

For related patents see: www.fotona.com/patents

