

Fotona<sup>®</sup>  
choose perfection



## Lighten up your practice

Committed to Engineering:

The Highest Performance, Best Made Laser Systems in the World

# X-Pulse<sup>®</sup> and X-Pulse II<sup>®</sup>

Compact and Powerful Diode Lasers

# Fotona XPulse®

## diode laser line

XPulse® diode lasers are the modern and professional choice for soft-tissue treatments, haemostasis and disinfection. With a broad range of clinical presets, handpieces and multiple pulse modalities, XPulse® allows practitioners to perform optimized treatments-with superior battery or plug-in operation for ultimate portability.

Depending on the indication for use, XPulse® allows for the choice of the most appropriate wavelength and specific settings that will achieve the desired type of laser-tissue interaction to produce the intended effect.

Fotona XPulse® laser systems can be used either in contact or non-contact mode. Energy is delivered through a flexible quartz-fiber delivery unit. The contact tip provides the practitioner with tactile feedback on where the laser is working.

An additional green laser aiming beam is delivered simultaneously through the laser-beam delivery system, which allows the operator to see the position of the treatment laser on the target tissue.

XPulse® is easy to use for both new and experienced laser practitioners. Simply select from the preset parameters, or directly input your preferences on the application screen, and begin the treatment.

- **High-power soft-tissue diode lasers**
- **Battery operated**
- **Green aiming beam for increased visibility**
- **Plug & Play**
- **Lightweight & ultra-portable**
- **Dental presets included**
- **EmunDo-ready (810 nm)**
- **Effective ablation combined with hemostasis**
- **Fast healing**

*Two models to choose from*

XPulse®



# Fotona XPulse®

unmatched possibilities

## Key Treatments

XPulse® diode lasers provide the modern practitioner with the opportunity to offer their patients precise, gentle and highly effective treatments.

Endo & Perio	EmunDo®	Surgery	Therapy	Bleaching
<div>810 nm 980 nm 1064 nm</div> <ul style="list-style-type: none"> <li>• Endodontics</li> <li>• Periodontics</li> <li>• Periimplantitis</li> </ul>	<div>810 nm</div> <ul style="list-style-type: none"> <li>• Periodontitis</li> <li>• Periimplantitis</li> <li>• Oral mucositis</li> <li>• Reduction of bacteria</li> <li>• Professional tooth cleaning</li> </ul>	<div>Blue 445 nm 810 nm 980 nm 1064 nm</div> <ul style="list-style-type: none"> <li>• Frenectomy</li> <li>• Gingivectomy</li> <li>• Implant Exposure</li> <li>• Sulcus forming</li> <li>• Hemostasis</li> <li>• Hyperpigmentation</li> <li>• Fibroma/Cysts</li> <li>• Surgery</li> <li>• Excision/Incision</li> </ul>	<div>810 nm 980 nm 1064 nm</div> <ul style="list-style-type: none"> <li>• Low Level Laser Therapy (LLLT)</li> <li>• Ulcus</li> <li>• Aphthae</li> <li>• Herpes</li> <li>• Desensitization</li> </ul>	<div>Blue 445 nm 810 nm 980 nm 1064 nm</div> <ul style="list-style-type: none"> <li>• Teeth bleaching</li> </ul>



### XPulse II®



- Designed and developed as a modular system (main unit/system + module)
- Includes wavelengths to exactly match your needs: **445 nm**, **810 nm**, **980 nm**
- additional laser modules can be attached for further wavelength options and applications

# EmunDo®

## periodontal and periimplantitis treatment

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The EmunDo® concept is based on the administration of a photosensitive activator that accumulates only in inflamed areas and on gram-positive and gram-negative bacteria, where it stays during the entire treatment. EmunDo® does not stain the vital tissues and can be washed out easily without any residue after the treatment.

The bactericidal effect is achieved only by means of using EmunDo® in combination with the XPulse® or XPulse II® 810 nm laser.





# EmunDo<sup>®</sup>

## procedure



Patient, Dentist and XPulse<sup>®</sup>



Applying EmunDo<sup>®</sup> dye

use  
**500  
mw**



Transgingival activation

Step 1

use  
**200  
mw**



Activation inside the pocket

Step 2

use  
**200  
mw**






Deepithelialization inside the pocket

Step 3


# Fotona XPulse®

## accessories

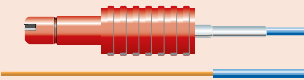

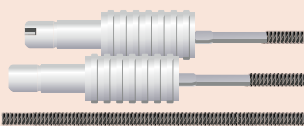
### HANDPIECES XPulse

Name	Image
Universal handpiece for fiber tips	
Therapy handpiece (THP), silver, round spot: 5mm	
Therapy handpiece (THP), black large spot: 10 x 5 mm (at 15 mm distance)	

### UNIQUE ACCESSORIES

Name	Image
EmunDo (pack of 3 blisters)	

### FIBERS XPulse

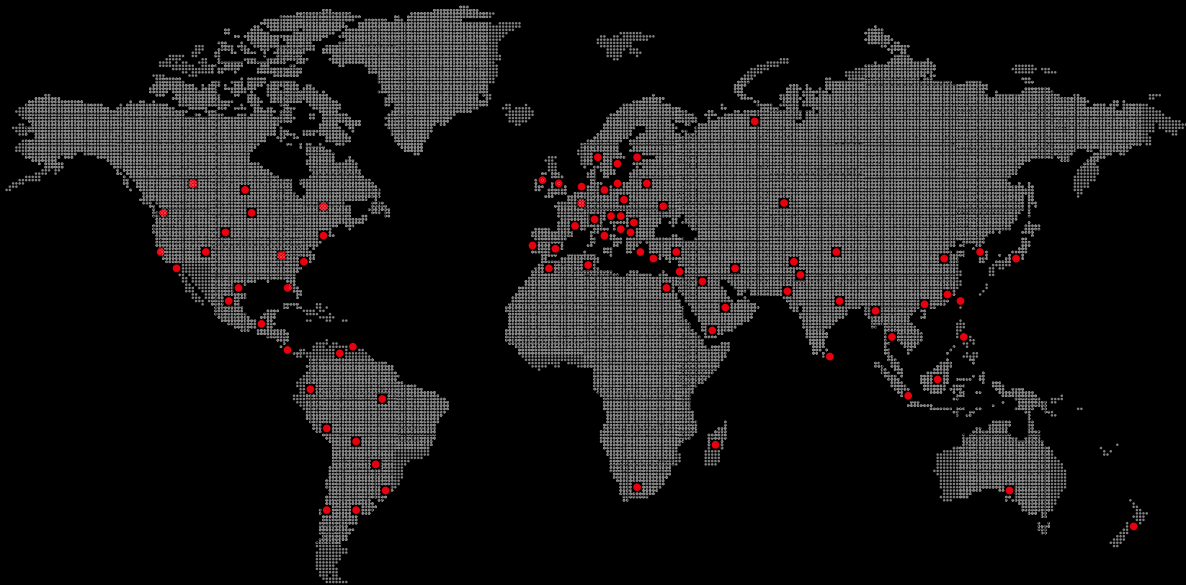
Name	Image
Endo fiber / Bare fiber (200 - 300 µm)	
Surgical fiber / Bare fiber (200 - 300 µm)	
Connector fiber (therapy handpieces)	

## specifications table

Wavelength	XPulse	XPulse II System	XPulse II Laser Module
445 nm	/	x	x
810 nm	x	x	x
980 nm	x	x	/
1064 nm	x	/	/



Founded in 1964, only four years after the invention of the very first laser, Fotona is one of the most experienced developers of high-technology laser systems. Fotona today is a world-leading medical laser company recognized for its innovative, award-winning laser systems for applications in aesthetics & dermatology, dentistry, surgery and gynecology. Based in the EU, US and China, Fotona's business philosophy is to continuously choose perfection to ensure the maximum performance and efficacy of its medical devices.



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

Fotona, LLC  
2307 Springlake Road  
#518  
Dallas, TX 75234  
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 Bd De Courcelles  
75008 Paris 08  
France  
EU

Fotona GmbH  
Hohlbachweg 2  
73344 Gruibingen,  
Germany  
EU

Produced for Fotona d.o.o. by A.R.C. Laser GmbH

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](http://www.fotona.com/patents)

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