

Fotona  
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
				
<ul style="list-style-type: none"> <li>• Endodontics</li> <li>• Periodontics</li> <li>• Periimplantitis</li> </ul>	<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>	<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>	<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>	<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

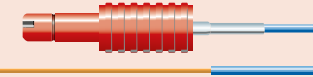

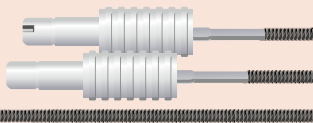
### HANDPIECES XPulse

Name	Image
Universal handpiece for fiber tips	
Therapy handpiece (THP), silver, round spot: 5mm	
Therapy handpiece (THP), black large spot: 10x5 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.



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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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