

epic Q™



Think Quality. Think Epic Q.

BIOLASE
LEADER IN DENTAL LASERS™

940nm – The Superior Laser Wavelength

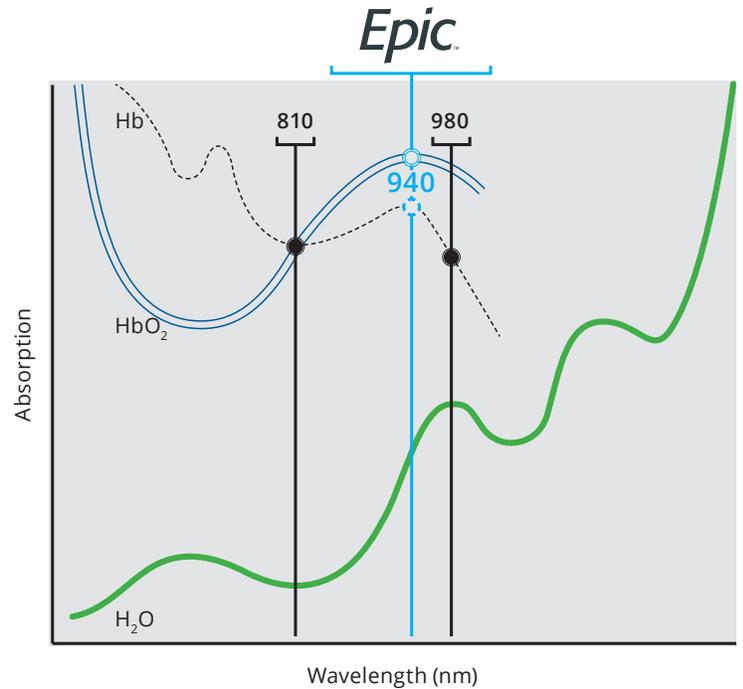
From the Global Leader in Dental Lasers

While all diode lasers use heat to cut, many increase tissue temperature excessively, causing patient discomfort.

The 940nm wavelength, featured exclusively in Epic soft-tissue laser systems, is better absorbed by hemoglobin and oxyhemoglobin than other wavelengths. The Epic Q cuts faster at lower power with less heat, for greater patient comfort.

- ✦ Developed exclusively by BIOLASE
- ✦ Better absorbed by hemoglobin and oxyhemoglobin than other wavelengths (see graph below)¹
- ✦ Cuts efficiently at lower power and with less heat

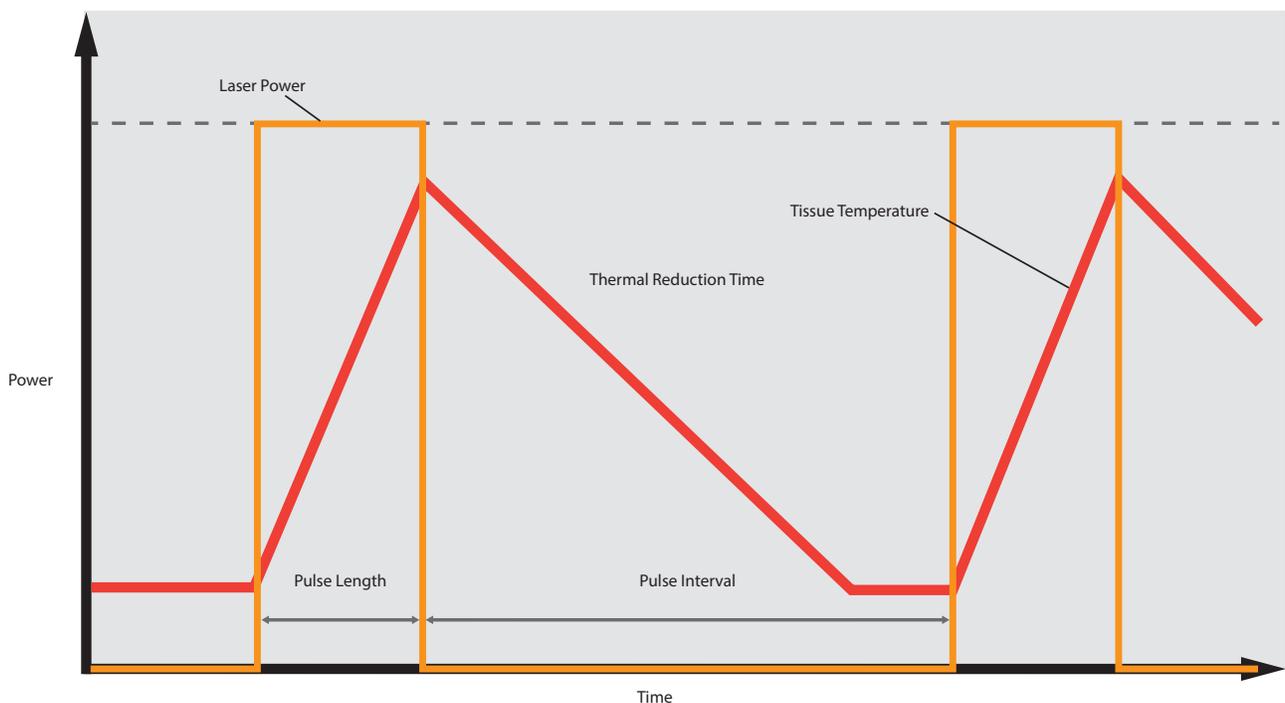
¹ Georgi. Petrov, Alexander Doronin, Harry T. Whelan, Igor Meglinski, Vladislav V. Yakovlev, "Human tissue color as viewed in high dynamic range optical spectral transmission measurements," Biomed. Opt. Express 3, 2154-2161 (2012); <http://www.opticsinfobase.org/boe/abstract.cfm?uri=boe-3-9-2124>



The Ultimate in Patient Comfort

ComfortPulse™ Technology Exclusively from BIOLASE

The Epic Q Soft-Tissue Laser System have one of the shortest pulses of any dental diode laser providing cleaner cutting with minimum discomfort through its proprietary ComfortPulse pulse modulation. Epic Q helps keep patients more comfortable by significantly reducing the amount of time the laser is actually cutting, to reduce sensitivity from heat buildup at the surgical site. This unique combination of features (wavelength and pulse modulation) means you can perform most soft-tissue procedures using topical anesthetic only.



Faster Treatment Means Higher ROI

Get to Treatment Faster

Choose from standard diode laser tips or our exclusive pre-initiated tips to begin laser therapy faster than ever.



Epic Pro Pre-Initiated Tip



Epic Pre-Initiated Tip



Quick, Intuitive Interface

Fast access to presets as well as the ability to save custom settings streamline procedures for less chair time.

Better Clinical Outcomes with Epic Technology

Use your smart phone or tablet to scan the QR Code to watch Epic technology in action.



Laser Pocket Therapy



Gingival Troughing for Intraoral Scanning



Aphthous Ulcers



Frenectomy



Gingivectomy



Exposure of Unerupted Teeth



Excision for Biopsy



Soft-Tissue Crown Lengthening



Implant Recovery

Visit biolase.com for additional clinical videos

Epic Q Technical Specs

Laser Classification	IV (4)
Medium	InGaAsP Semi-conductor diode
Wavelength	940 ± 10nm
Max Power Output	3W (peak power 5W)
Power Accuracy	± 20%
Power Modes	Continuous, Pulse Modulation
Fiber Tip Diameter	200µm, 300 µm, 400µm
Operating Voltage	100V – 240V at 1.5A
Frequency	50/60 Hz
Main Control	Power Switch
Remote Interruption	Remote Interlock
Disable Control	Emergency Stop Button
DC Power Supply Module	12V DC, 5A
Power Modes	Continuous, Pulse Modulation
Pulse Duration	0.01ms – 20ms
Pulse Interval	0.01ms – 20ms
Pulse Repetition Rate	Up to 20kHz (for reference)
Spot Size (Surgical Handpiece)	400µm (maximum in contact mode)
NOHD	106 inches (2.71 meters)
MPE (Maximum Permissible Exposure)	30W/m2
Beam Divergence	7- 25.4° per side angle
Standard Fiber Cable Length	79 inches (2 meters)
Power Modes (5)	Continuous Wave Pulse Modulation



Protect Your Investment

Our exclusive Epic Protective Cover™ is available for your Epic Soft-Tissue Laser System (Epic X/10, Epic Q). It's heavy grade silicon design protects your laser from drops up to 1 meter* and is rated to withstand 20G's of shock & vibration.**

*Data on file. **MIL-STD-810G

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