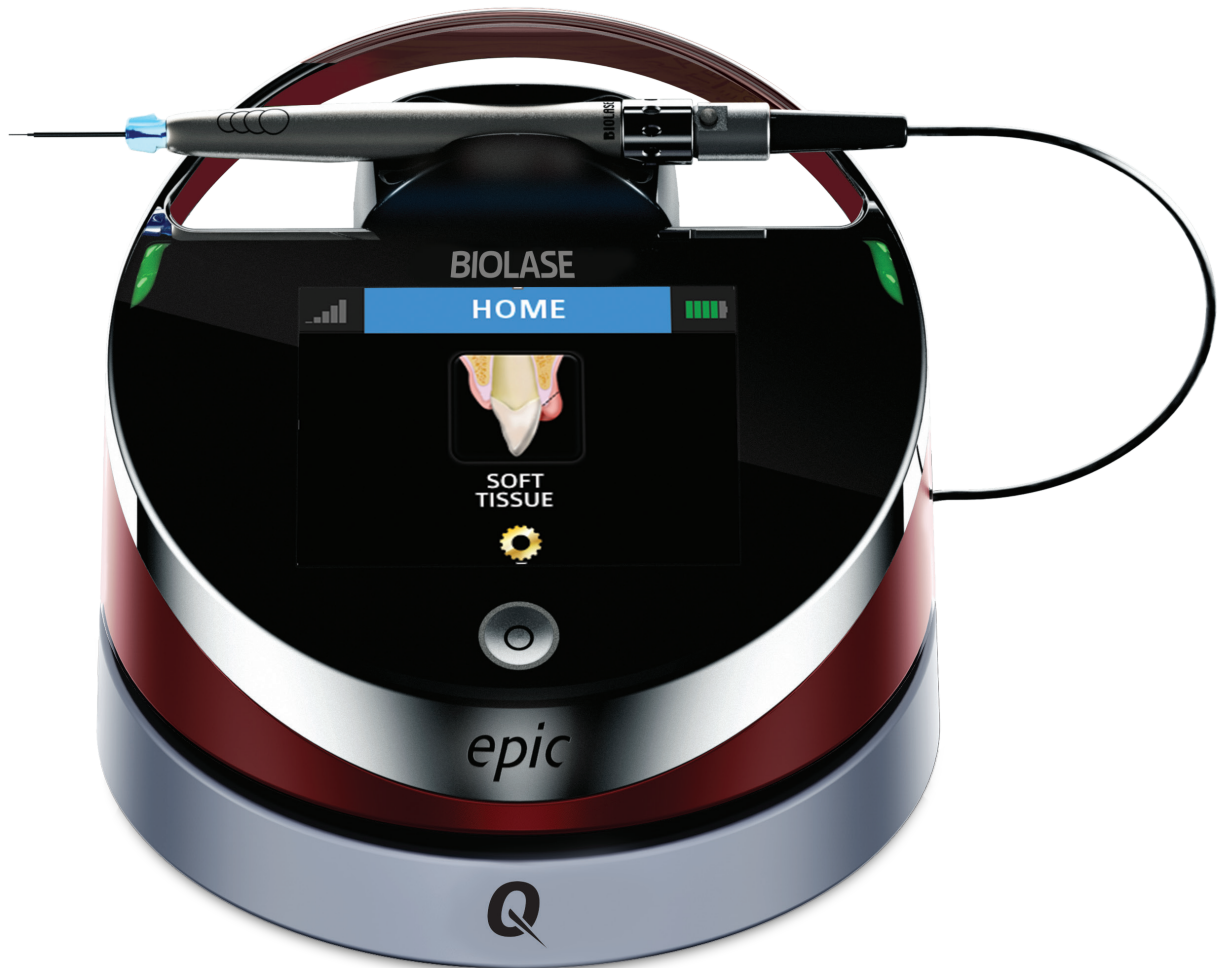


epic **Q**



Think Quality. Think Epic Q.

940nm – The Superior Laser Wavelength

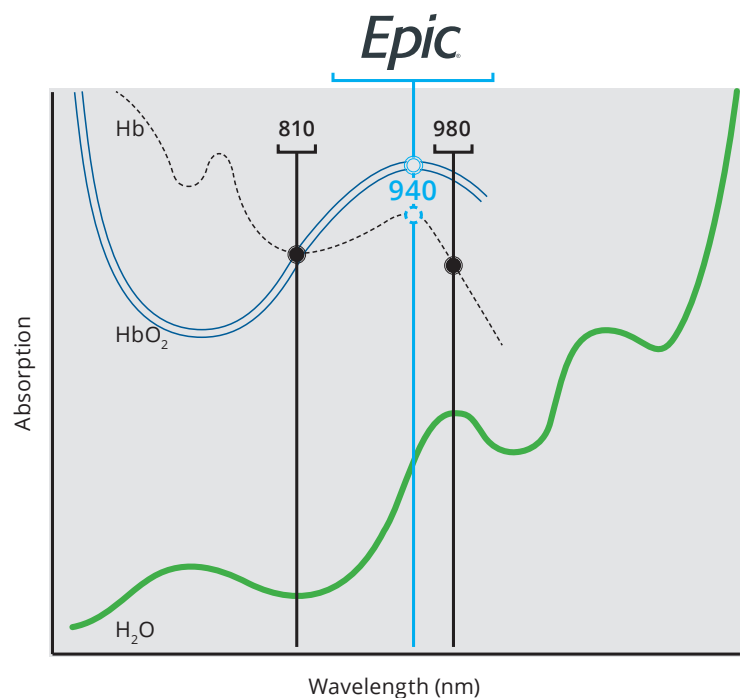
From the Global Leader in Dental Lasers

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 heat¹

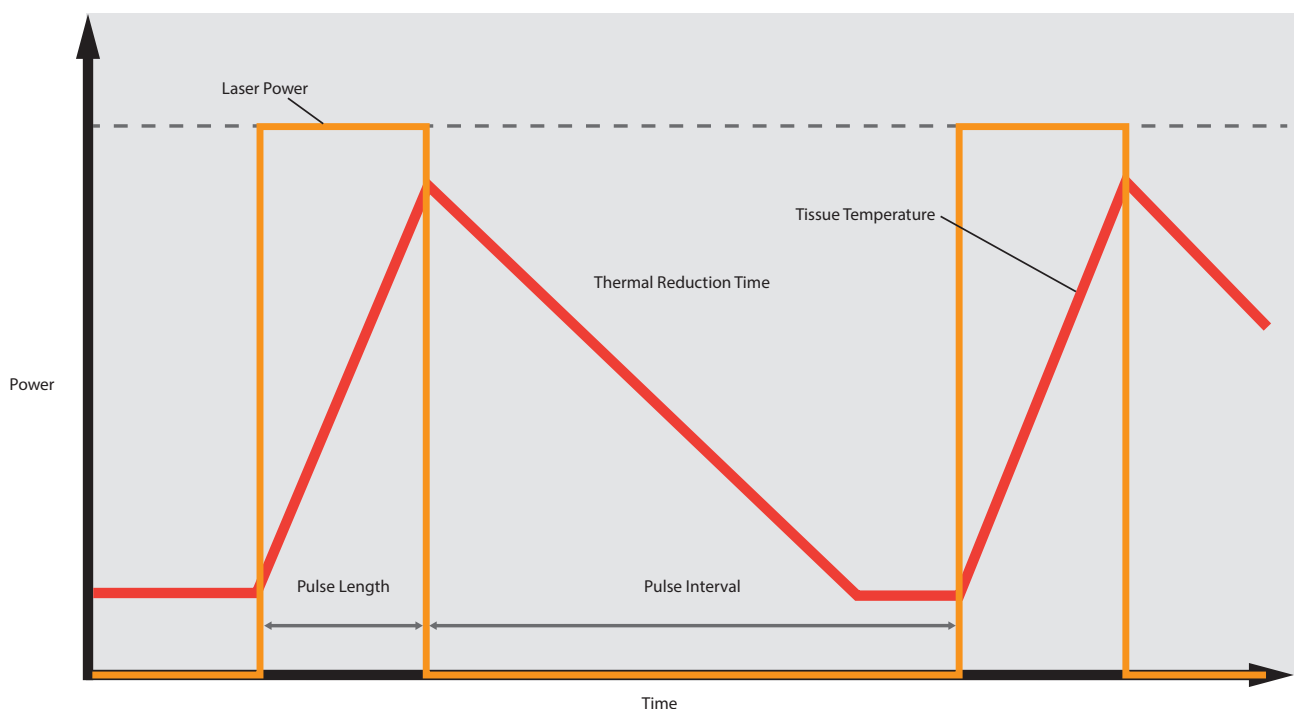
¹ Georgi, Petrov, Alexander Doronin, Harry T. Whelan, Igor Meglinski, Vladislav V. Yakovlev, "Human tissue color as viewed in high dynamic range optical spectral transmission measurements," Biomed. Opt. Express 3, 2154-2161 (2012); <http://www.opticsinfobase.org/boe/abstract.cfm?uri=boe-3-9-2124>



The Ultimate in Patient Comfort

ComfortPulse™ Technology Exclusively from BIOLASE

The Epic Q Soft-Tissue Laser System has one of the shortest pulses of any dental diode laser, as low as 10 microseconds on and 40 microseconds off for peak thermal relaxation. This provides 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.



Long Lasting Battery

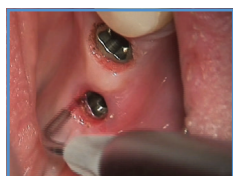
Work through the day with up to 8 hours of dependable, long-lasting rechargeable battery life.

Better Clinical Outcomes with Epic Technology

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



Gingival Troughing for Intraoral Scanning



Implant Recovery



Excision for Biopsy



Laser Pocket Therapy



Aphthous Ulcers



Soft-Tissue
Crown Lengthening



Frenectomy



Gingivectomy



Exposure of
Unerrupted Teeth

Visit biolase.com for additional clinical videos

Epic Technology

Epic Q combines durability, dependability, and offers the latest in soft-tissue diode technology into a portable, affordable package. Epic's exclusive 940nm wavelength, sits at the perfect intersection of absorption into oxyhemoglobin and hemoglobin, combined with Epic Q's premier comfort pulse technology, pulsing on for as short as 10 microseconds, for 4x the time for thermal relaxation! Treat your patients with quality, Think Epic Q.

Epic Q Technical Specs

Laser Classification	IV (4)
Medium	InGaAs Semi-conductor diode
Wavelength	940 ± 10 nm
Max Power Output	3W (peak power 5W)
Power Accuracy	± 20%
Power Modes	Continuous, Pulse Modulation
Fiber Tip Diameter	200 µm, 300 µm, 400 µm
Operating Voltage	100V – 240 V at 1.5A
Frequency	50/60 Hz
Main Control	Power Switch
Remote Interruption	Remote Interlock
Disable Control	Emergency Stop Button
DC Power Supply Module	12 V (DC), 5 A
Power Modes	Continuous, Pulse Modulation
Pulse Duration	0.01ms – 20 ms
Pulse Interval	0.04 ms – 20 ms
Pulse Repetition Rate	Up to 20 kHz (for reference)
Spot Size (Surgical Handpiece)	400 µm (maximum in contact mode)
Aiming Beam	Laser diode, Max 5 mW, 625 nm – 670 nm, Class 2
NOHD	8' 10" (2.71 meters)
MPE (Maximum Permissible Exposure)	30 W/m²
Beam Divergence	7- 25.4° per side angle
Standard Fiber Cable Length	6' 7" (2 meters)
Power Modes (5)	Continuous Wave (CW) 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

BIOLASE
LEADER IN DENTAL LASERS™

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Rx Only



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