



IQ 577™ Laser System

True-Yellow Laser with MicroPulse™ Delivery*

The Advantages of Innovation

- True yellow, 577 nm wavelength at peak absorption for oxygenated hemoglobin
- Patented MicoPulse technology available as upgrade
- DualSense™ provides quick and simple selection of multiple delivery devices for RFID and SMA
- Voice confirmation of power settings when using the wireless footswitch
- Intuitive graphic touch screen interface with high contrast color display

Ergonomic and Easy to Use

- Sliding door covers for fiber-port protection
- Convenient 3-knob control offers dedicated interface to minimize steps in making adjustments
- Programmable memory presets

Optional Accessories

- **Remote Control**
 - Compact design for easy placement on a slit lamp table or use in the operating room
 - Displays can be seen from multiple vantage points, allowing more convenient usage of space
- **Wireless Power-Adjust Footswitch**
 - No cord, no clutter, no limitations
 - Allows physician control over power settings

 **MicroPulse**
First, do no harm



IRIDEX

Elegantly simple solutions™



Clinical Success Stories with the IQ 577™

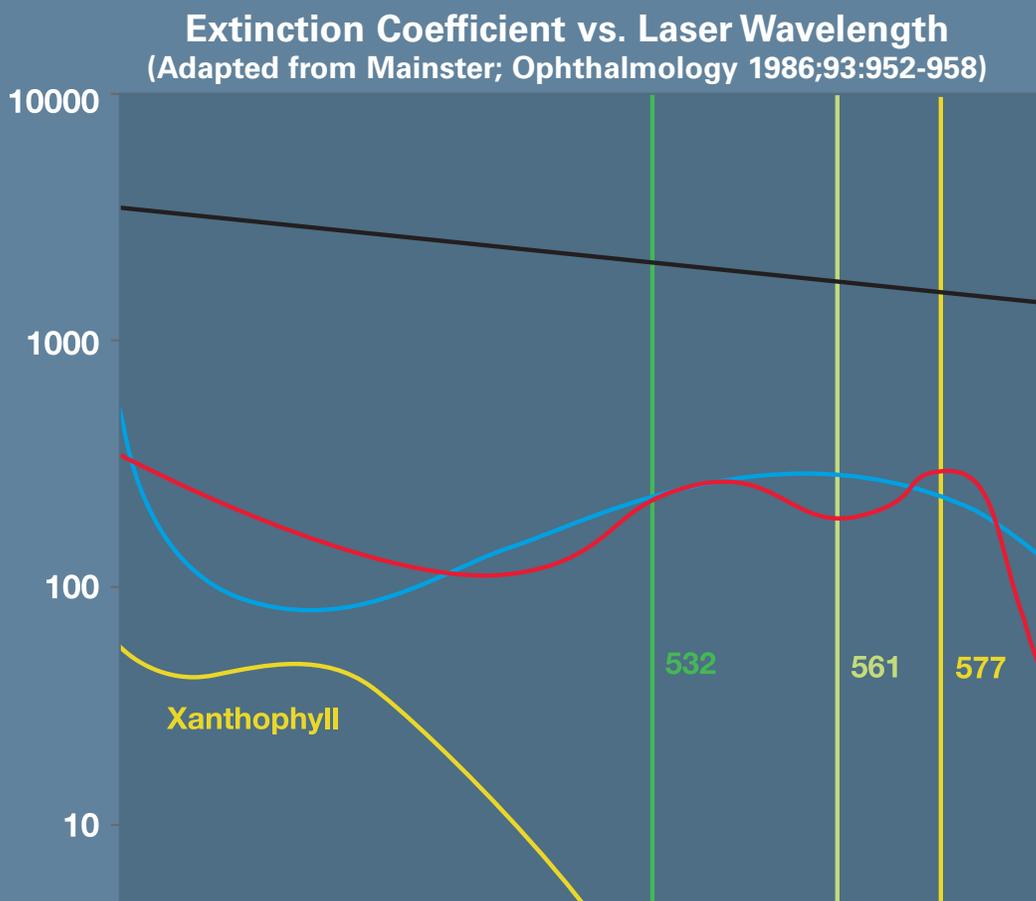
“The IQ 577 produces less collateral damage than a traditional green-wavelength laser during the treatment of macular edema. It’s more efficient and increases patient comfort for panretinal photocoagulation.”

– Dr. Jonathan Walker, Fort Wayne, IN

“The IQ 577 has simplified and improved the efficiency of laser clinics dramatically.” – Dr. Christopher Riemann, Cincinnati, OH

“The IQ 577 yellow laser is one such promising advancement for the treatment of macular edema secondary to BRVO.”

– Drs. Sviatoslav Suk & Stanislav Saksonov, Kiev, Ukraine



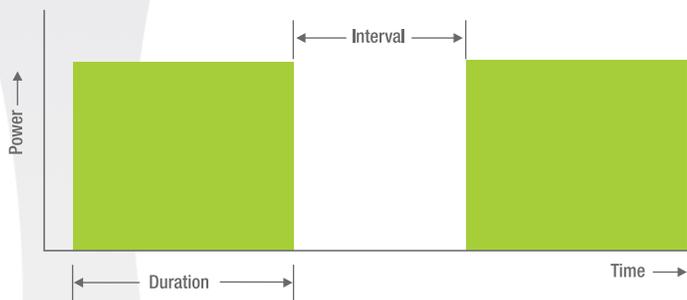
The IRIDEX IQ 577 laser system offers a high power true yellow wavelength at peak absorption for oxyhemoglobin and allows treatment closer to the fovea. It also offers less light scattering which minimizes spot size and reduces thermal spread.



Multiple Modes for Multiple Applications

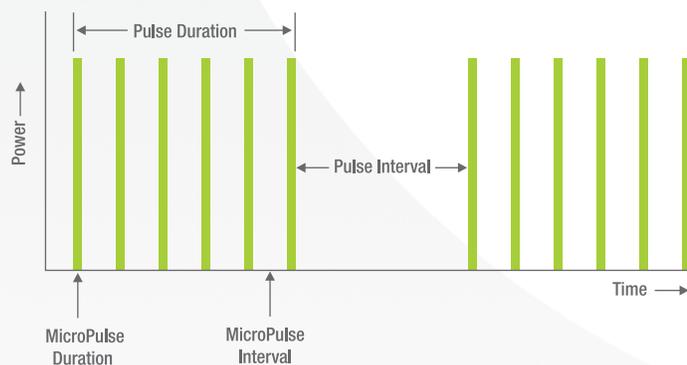
CW-Pulse™ (Continuous-Wave) Mode

CW lasers deliver a steady stream of laser energy, even with the shortest exposure duration. This results in a significant thermal rise and consequent coagulation used clinically for many applications.



MicroPulse™ Mode* MicroPulse

With MicroPulse, the steady CW emission is “chopped” into a train of shorter laser pulses, whose “duration” (“ON” time) and “interval” (“OFF” time) are adjustable by the surgeon. A shorter MicroPulse “duration” limits the time for the laser-induced heat to spread to adjacent tissues, thus providing more precise confinement of energy delivered. A longer “interval” between each MicroPulse provides additional time for tissue to cool.



MicroPulse Technology

- MicroPulse laser delivery confines heat to target area
- Limits thermal rise in target tissue below the threshold of conventional photocoagulation
- Broad clinical utility

*MicroPulse is an optional module.

IQ 577™ Laser System

Specifications

Wavelength:	577 nm Yellow
Weight:	19.2 lb (9.0 kg)
Dimensions:	8.5" H x 12" W x 14" D (21 cm x 30 cm x 35 cm)
Connector Type:	RFID Resistor
Electrical:	100–240 VAC, 50/60 Hz
Cooling:	Whisper fan
Exposure Duration:	CW-Pulse™: 10–3000 ms
Exposure Interval:	CW-Pulse: 10–3000 ms
MicroPulse™ Duration:	MicroPulse: 0.05–1.00 ms  MicroPulse
MicroPulse Interval:	MicroPulse: 1.00–10.00 ms
Aiming Laser:	Diode laser, 635 nm nominal
Delivery Device	Portable SLA: 0–1800 mW
Power Output:	LIO: 0–2000 mW EndoProbe®: 0–2000 mW

CE 0086

Specifications are subject to change without notice. EndoProbe, IRIDEX and the IRIDEX logo are registered trademarks and IQ 577, DualSense, MicroPulse and CW-Pulse are trademarks of IRIDEX Corporation. All other trademarks are the property of their respective owners.

Products are covered by one or more of the following U.S. patents: 5,372,595; 5,511,085; 5,521,932; 5,663,979; 5,982,789; 5,979,554; 6,141,143; 6,144,484; 6,222,869; 6,327,291; 6,377,599; 6,540,391; 6,733,490; 6,800,076; 7,537,593; 7,766,904; 7,771,417; and 7,909,816.



Elegantly simple solutions™



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