



# TxCell™ Scanning Laser Delivery System

High Versatility for Higher Volume



**IRIDEX**

Elegantly simple solutions™

**TxCell™**

# TxCell™ Scanning Laser Delivery System

## Versatile Platform for Advanced Retinal Therapy

The TxCell Scanning Slit Lamp Adapter adds the use of multi-spot pattern scanning when coupled to the IQ 532™ or IQ 577™ laser. In one platform, growing practices can offer:

- Multi-spot pattern scanning for efficient pan retinal photocoagulation
- Standard photocoagulation with optimized wavelengths: 532 nm and true-yellow 577 nm
- Confluent laser patterns for tissue-sparing MicroPulse™ protocols\*



**NEW**  
Haag-Streit® Style

## Workflow Efficiency

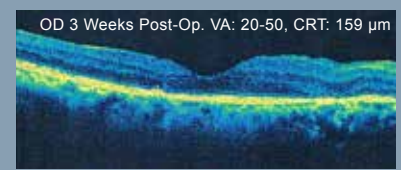
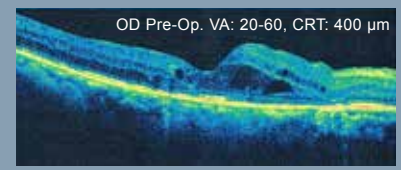
- Predictability in laser spot placement for both standard photocoagulation and MicroPulse protocols
- High speed pulse durations for efficient laser delivery
- Modular design for intra-office portability



Zeiss® Style

## Fovea-Friendly™ MicroPulse™ Laser Therapy

- Tissue-sparing capabilities for repeatable retinal laser sessions<sup>1</sup>
- An alternative for refractory and sub-clinical edema



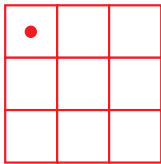

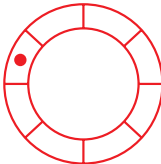



Patient: 80 year old female, with recurring DME in both eyes - Photos courtesy of Dr. Aaron Appiah



\*MicroPulse is an optional module  
<sup>1</sup>Tissue-sparing protocols for the treatment of diabetic macular edema have shown clinical efficacy in randomized, controlled clinical studies. Data on file.

# Greater Tissue Visualization with Target Cell Technology

The Target Cell technology enables the physician to visualize the treated tissue by identifying the perimeter of the targeted area.

Pattern Selection Type	Visible Target Cells	Delivered Laser Spots	General Purpose
Grid (2x2 – 7x7)			PRP Macular Grid
Circle			Retinal Tears Diffuse Macular Edema
Triple Arc			PRP Periphery

## IQ 532™ and IQ 577™ Laser Systems

### The Advantages of Innovation

- High speed pulse durations for fast procedural time
- DualSense™ provides quick and simple selection of multiple delivery devices for RFID and SMA

### Intelligent and Intuitive Design

- Dual port for efficient setup of alternate delivery devices
- Intuitive graphic touch-screen interface for ease of use
- Programmable memory presets for multiple users
- Full-featured remote control and wireless footswitch\*



\*Optional

# TxCell™ Scanning Laser Delivery System

## Specifications

<b>Laser:</b>	IQ 532™/IQ 577™
<b>Wavelength:</b>	532 nm or 577 nm
<b>Laser Energy Source:</b>	Frequency-doubled solid-state and direct diode
<b>Maximum Power:</b>	2000 mW
<b>Exposure Duration:</b>	CW-Pulse™: 10–3000 ms
<b>Exposure Interval:</b>	CW-Pulse: 10–3000 ms
<b>MicroPulse™ Duration:</b>	MicroPulse: 0.05–1.00 ms
<b>MicroPulse Interval:</b>	MicroPulse: 1.00–10.00 ms
<b>Aiming Beam:</b>	Diode laser, 635 nm nominal
<b>Patterns:</b>	Grid (2x2 - 7x7), Circle, Triple Arc
<b>User Interface:</b>	Touch-screen & knobs
<b>Slit Lamp:</b>	IRIDEX SL 980, IRIDEX SL 990, Zeiss 30SL, Zeiss SL 130, Haag-Streit BM/BQ 900 and equivalents
<b>Spot Sizes:</b>	Single spot: 50µm, 100µm, 200µm, 300µm, 500µm Multi-spot: 100µm, 200µm, 300µm, 500µm
<b>Electrical:</b>	100 – 240 VAC, 50/60 Hz

The TxCell Scanning Laser Delivery System components:

- TxCell Scanning Slit Lamp Adapter (SSLA)
- TxCell Control Box
- IQ 532 or IQ 577 laser



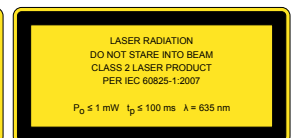
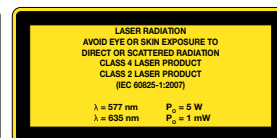
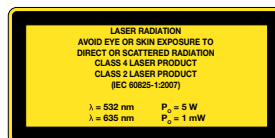
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Products are covered by one or more of the following U.S. patents: 5,372,595; 5,511,085; 5,521,932; 5,663,979; 5,982,789; 5,979,554; 6,141,143; 6,144,484; 6,222,869; 6,327,291; 6,377,599; 6,540,391; 6,733,490; 6,800,076; 7,537,593; 7,766,904; 7,771,417;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



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