



# 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: IQ 532 and true-yellow IQ 577
- Confluent laser patterns for tissue-sparing MicroPulse™ protocols

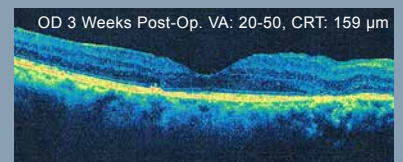
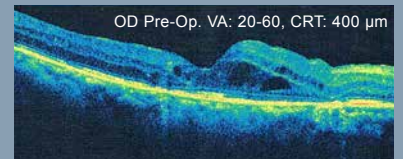
## Workflow Efficiency

- 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



## Fovea-Friendly™ MicroPulse™ Laser Therapy\*

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



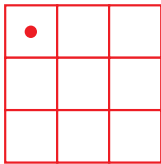

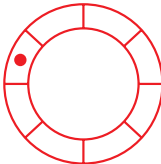



Patient: 80 year old female, with recurring DME in both eyes - Photos courtesy of Dr. Aaron Appiah

\*Optional console module

<sup>1</sup>Luttrull JK, Sramek C, Palanker D, Spink CJ, Musch DC. Long-term safety, high-resolution imaging, and tissue temperature modelling of subvisible diode micropulse photocoagulation for retinovascular macular edema. Retina 2012;32(2):375-86.

# Enhanced 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 power for greater range of therapy alternatives
- High speed pulse durations for faster 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



# TxCell™ Scanning Laser Delivery System

## Specifications

<b>Laser:</b>	IQ 532™/IQ 577™
<b>Wavelength:</b>	577 nm or 532 nm
<b>Laser Energy Source:</b>	Frequency doubled solid-state and direct diode
<b>Maximum Power:</b>	2 W
<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>	Touchscreen & knobs
<b>Slit Lamp:</b>	CSO SL 980, Zeiss 30SL, Zeiss SL 130, 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



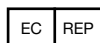
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Products are covered by one or more of the following U.S. patents: 5,372,595; 5,511,085; 5,521,932; 5,663,979; 5,982,789; 5,979,554; 6,141,143; 6,144,484; 6,222,869; 6,327,291; 6,377,599; 6,540,391; 6,733,490; 6,800,076; 7,537,593; 7,766,904; 7,771,417;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



Elegantly simple solutions™



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