TxCell™ Scanning Laser Delivery System
High Versatility for Higher Volume
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*
- 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
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.

<table>
<thead>
<tr>
<th>Pattern Selection Type</th>
<th>Visible Target Cells</th>
<th>Delivered Laser Spots</th>
<th>General Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grid (2x2 – 7x7)</td>
<td><img src="grid.png" alt="" /></td>
<td><img src="laser_spots.png" alt="" /></td>
<td>PRP, Macular Grid</td>
</tr>
<tr>
<td>Circle</td>
<td><img src="circle.png" alt="" /></td>
<td><img src="laser_spots.png" alt="" /></td>
<td>Retinal Tears, Diffuse Macular Edema</td>
</tr>
<tr>
<td>Triple Arc</td>
<td><img src="arc.png" alt="" /></td>
<td><img src="laser_spots.png" alt="" /></td>
<td>PRP, Periphery</td>
</tr>
</tbody>
</table>

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
Specifications

Laser: IQ 532™/IQ 577™
Wavelength: 577 nm or 532 nm
Laser Energy Source: Frequency doubled solid-state and direct diode
Maximum Power: 2 W
Exposure Duration: CW-Pulse™: 10–3000 ms
Exposure Interval: CW-Pulse: 10–3000 ms
MicroPulse™ Duration: MicroPulse: 0.05–1.00 ms
MicroPulse Interval: MicroPulse: 1.00–10.00 ms
Aiming Beam: Diode laser, 635 nm nominal
Patterns: Grid (2x2 - 7x7), Circle, Triple Arc
User Interface: Touchscreen & knobs
Slit Lamp: CSO SL 980, Zeiss 30SL, Zeiss SL 130, and equivalents
Spot Sizes:
  - Single spot: 50µm, 100µm, 200µm, 300µm, 500µm
  - Multi-spot: 100µm, 200µm, 300µm, 500µm
Electrical: 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