The Pattern Continues
PASCAL Streamline™ Photocoagulator combines core PASCAL® technology with enhanced patterns and printed reporting. Streamline continues the PASCAL legacy of improving the photocoagulation experience for patients, physicians and practices by incorporating customer recommendations into a palette of new patterns and features.

The facts speak for themselves
PASCAL is the only scanning photocoagulator to-date with:

- 18 peer-reviewed clinical articles
- > 60 abstract presentations at scientific meetings highlighting the safety, efficacy & other benefits of the PASCAL Method of photocoagulation.

Enhanced Ergonomics
- Shorter working distance
- Enough space for contact laser lens use
- Added amber filter for improving retina observation
- Ergonomic 3D user controller
- Enhances user comfort
- Illuminated for easy location in a dark treatment room
- Allows precise physician control over laser position and power settings
- Conveniently adjust and rotate laser patterns

Less patient discomfort
Using lower power and shorter pulses result in less trauma and less pain. The PASCAL Method has been validated with numerous clinical papers.

Less "spread" after treatment
Precision control with short pulse durations confines energy to inhibit thermal spread after each laser application.

More galvos
Utilizing 3 high speed galvanometers with a continuous laser source, PASCAL Streamline allows more uniform spots, creating more precise lesions, with complete consistency across the entire pattern and treatment area.

More efficient
The only pattern scanner system that offers a continuous laser source, the Streamline gives more consistent laser lesions without the need for constant power adjustment.

More safety checks
Power, position and galvo performance are monitored at a rate of 100,000 times per second with a highly specialized FPGA system.

Less delay
The only system that uses 3 precision galvanometers, PASCAL Streamline offers unparalleled laser output control. Using this method greatly reduces lag time between pulses, thus offering the fastest pattern treatment available.

Printed Reporting
- Option for detailed printed summary of each Streamline procedure.
- Confirmation of laser settings, parameters and patterns used.
- Better documentation of patient record and follow-up notation.

Threshold Pascal® 10ms burns remain highly localized in outer retina

OCT image provided by:
Prof. Paulo E. Stanga Consultant Ophthalmologist and Vitreoretinal Surgeon, Manchester Royal Eye Hospital Professor of Ophthalmology, University of Manchester

Precise and consistent outcome with the PASCAL Method:

Less patient discomfort
Using lower power and shorter pulses result in less trauma and less pain. The PASCAL Method has been validated with numerous clinical papers.

Versatile Streamline Module/Accessory options
The PASCAL Streamline offers the following optional modules:

- PASCAL’s unique PLT (Pattern Laser Trabeculoplasty) Software for management of open-angle glaucoma.
- Video option with added video camera & monitor. Easily observe all treatments on a conveniently positioned, independently rotateable, video monitor.
- LIO for single spot indirect laser photocoagulation.

Endpoint
Endpoint Management sharpens titration ability with fine gradation of laser output providing further precision in setting visible or non-visible endpoints within the retina.

Powerful and simple enhanced retina patterns
- Provides easy access to a multitude of pattern variations to suit almost any clinical need.
- With the touch of a finger, create arrays, lines and rectangles to best match the treatment area.
- Triple ring patterns encapsulate a retina tear in seconds.
- Without removing your eyes from the oculars, the auto advance feature automatically adjusts the pattern for easy alignment and treatment progression.

Printable Treatment Reports for Both Retina And Glaucoma Procedures

Printable Treatment Reports for Both Retina And Glaucoma Procedures

Printable Treatment Reports for Both Retina And Glaucoma Procedures

Printable Treatment Reports for Both Retina And Glaucoma Procedures

Printable Treatment Reports for Both Retina And Glaucoma Procedures

Printable Treatment Reports for Both Retina And Glaucoma Procedures

Printable Treatment Reports for Both Retina And Glaucoma Procedures

Printable Treatment Reports for Both Retina And Glaucoma Procedures

Printable Treatment Reports for Both Retina And Glaucoma Procedures

Printable Treatment Reports for Both Retina And Glaucoma Procedures

Printable Treatment Reports for Both Retina And Glaucoma Procedures

Printable Treatment Reports for Both Retina And Glaucoma Procedures
## Specifications

<table>
<thead>
<tr>
<th>Laser</th>
<th>532 nm optically pumped semiconductor laser (OPSL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patterns</td>
<td>Single spot, array, triple arc, wedge, triple ring, arc, line, octant</td>
</tr>
<tr>
<td>Power</td>
<td>0 - 2000 mW</td>
</tr>
<tr>
<td>Power control</td>
<td>Dual slit lamp mounted controls &amp; touch screen user interface</td>
</tr>
<tr>
<td>Treatment pulse durations</td>
<td>10 - 1000 ms (ms available in the PLT module)</td>
</tr>
<tr>
<td>Aim beam</td>
<td>635 ± 10 nm</td>
</tr>
<tr>
<td>Aim beam power</td>
<td>Adjustable to &lt;1 mW</td>
</tr>
<tr>
<td>Delivered spot size</td>
<td>60, 100, 200 and 400 μm</td>
</tr>
<tr>
<td>Retinal spot size</td>
<td>Determined by the product of the spot size and the contact lens Laser magnification factor</td>
</tr>
<tr>
<td>Pattern position control</td>
<td>Adjustable by joystick, pattern selection and electronic micromanipulator</td>
</tr>
<tr>
<td>Graphical user interface</td>
<td>Adjustable touch screen control panel display (26.5 cm) Mounted on slit lamp table</td>
</tr>
<tr>
<td>Slit lamp</td>
<td>Custom slit lamp design</td>
</tr>
<tr>
<td>Slit lamp table</td>
<td>Ergonomic design and wheelchair accessible</td>
</tr>
<tr>
<td>Magnification selection</td>
<td>5 step by drum rotation, 6x, 10x, 16x, 25x, 40x</td>
</tr>
<tr>
<td>Eyepiece</td>
<td>12.5x</td>
</tr>
<tr>
<td>Dimension</td>
<td>Height: adjustable, 114 - 153 cm Length: 97 - 112 cm Width: 59 - 84 cm Weight: 69.4 ± 4.5 kg</td>
</tr>
<tr>
<td>Input power requirement</td>
<td>100 - 240V</td>
</tr>
<tr>
<td>Cooling</td>
<td>TEC / Air Cooled</td>
</tr>
</tbody>
</table>

Subject to change in design and/or specifications without advanced notice. In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.