

PASCAL Photocoagulator

Streamline 577



STREAMLINE 577 OFFERS OPHTHALMOLOGISTS A FAR SUPERIOR TREATMENT SOLUTION

PASCAL
PHOTOCOAGULATOR

STREAMLINE
577

The facts speak for themselves

Less scatter

Compared to 532 nm or other “yellow” wavelengths (561/568 nm).

Less patient discomfort

Using lower power and shorter pulses result in less trauma and less pain.

Less “spread” after treatment

Treat closer to the macula; with fewer competing chromophores.

More efficient

Gives more consistent laser lesions without the need for constant power adjustments throughout the procedure.

More precise

Longer wavelength allows better penetration through cataracts or hazy media to help concentrate laser application.

More discerning visualization

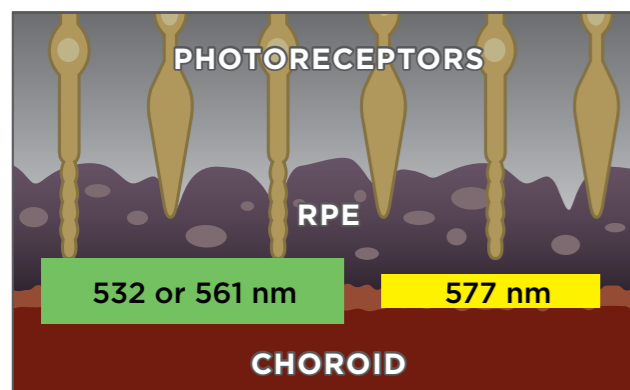
Red-free filters allow better visualization and landmark recognition, making this an exceptional teaching tool. Exclusively available in single-wavelength 577 nm systems.

More versatile and reliable

Known and preferred for use in the macula, the 577 now has 2000 mW of deliverable power, capable of doing all a 532 nm can do, with improved clinical efficiency.

577 nm: Efficient, safe and secure

The longer wavelength of the 577 better targets the RPE with less scatter than 532 or 561 nm lasers. The combined absorption by both melanin and the oxyhemoglobin makes the 577 more efficient. Energy is concentrated to a smaller volume allowing use of lower powers and shorter pulse durations.



Laser-Tissue Interactions

Same energy applied, the 577 concentrates to a smaller area making each application more efficient.



Streamline 577 has further enhanced the groundbreaking PASCAL technology

With years of use on the market, the PASCAL family of pattern scanning lasers proves to be extremely reliable and effective.

PASCAL has been tested and scrutinized, and continues to develop a body of clinical evidence. It is the only scanning photocoagulator to date with the leading number of articles and acceptance at academic centers.



Streamline 577 features:

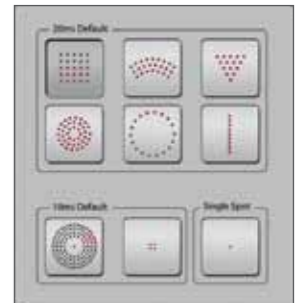
Patterns specifically designed for glaucoma with the PLT (Pattern Laser Trabeculoplasty) software for treatment of open-angle glaucoma, the Streamline 577 offers the most complete solution. It's the best in class multi-specialty laser system.



PLT Scanning Pattern

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.



Streamline Enhanced Patterns

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.



Printable Treatment Reports For Both Retina And Glaucoma Procedures

Versatile streamline module/accessory options:

Video Teaching System (VTS) with integrated video camera & monitor - Easily observe all treatments on a conveniently positioned, independently rotatable, video monitor.



VTS Monitor

Specifications

Laser	Optically Pumped Semiconductor (OPSL)
Patterns	Single spot; Array; Triple Arc; Triple Ring; Arc; Line; Circle; Octant; Glaucoma (PLT*)
Power	0, 30-150 mW (10 mW steps) 150 -2000 mW (25 mW steps)
Power control	Dual slit lamp mounted controls & touch screen user interface
Treatment pulse durations	10 to 1000 ms (5 ms with PLT*)
Aim beam	635 nm diode
Aim beam power	Adjustable to < 1 mW
Delivered spot size	60, 100, 200, 400 µm
Graphical user interface	Adjustable touch screen control panel display (26,5 cm) Mounted on slit lamp table
Slit lamp	Custom slit lamp design
Slit lamp table	Ergonomic design and wheelchair accessible
Physical dimensions	Height: 114 to 153 cm Length: 57 cm Width: 94 cm Weight: 69 kg
Input power requirement	100 - 240 VAC; 50/60Hz 500VA
Cooling	TEC / Air cooled



IMPORTANT

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.

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