

PRECISION. VISION.

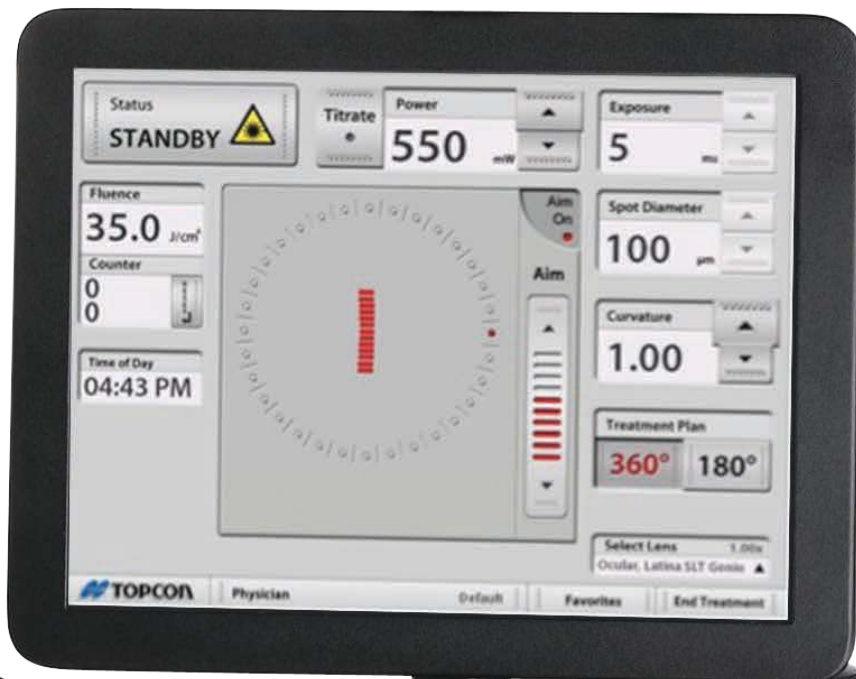
PLT

# PASCAL

Pattern Laser Trabeculoplasty™ for Glaucoma



STREAMLINE



TOPCON

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## Topcon's PLT provides physicians greater levels of precision.

The scanning technology and precision of PASCAL systems uses a tissue sparing laser delivery modality for laser trabeculoplasty. Pattern laser trabeculoplasty (PLT)\* provides rapid, precise, and minimally traumatic (sub-visible) computer-guided treatment with exact abutment of the patterns. The patterns readily align to the meshwork, allowing faster and easier applications compared to other laser modalities.

Physicians can now use their PASCAL lasers for glaucoma management with either ALT or PLT; along with other conventional procedures.

### The advantages are clear:

**More functional** - The PASCAL laser, previously known only for retina use, now opens up more options for physician use with pattern-specific glaucoma modules.

**More precise alignment for glaucoma** - New pattern developed specifically for glaucoma results in precise alignment to the trabecular meshwork. Spacing and spot placement is precise and consistent.

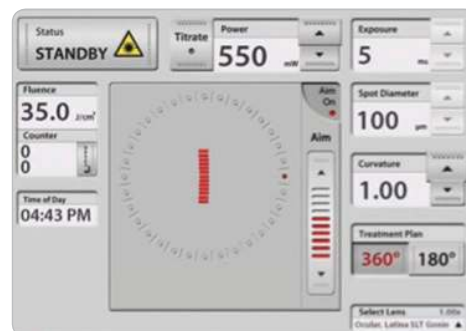
**Lower intraocular pressure** - Average IOP reduction of 31% has been achieved in clinical studies.<sup>1</sup>

**Less tissue damage** - Laser applications are delivered below levels where conventional photocoagulation occurs. The result is achieving a cellular healing response without scarring and coagulative damage.

System Availability: PASCAL Streamline and Synthesis lasers are available for PLT upgrade modules.

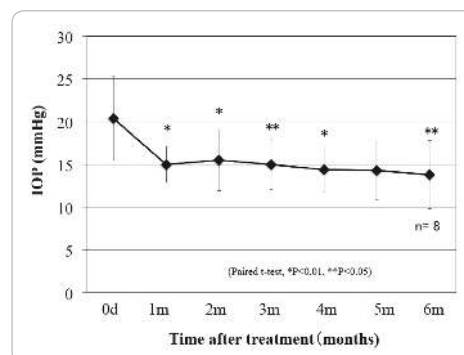
## Topcon's PLT is safe and reliable.

Our exclusive PASCAL PLT software, developed specifically for treating the trabecular meshwork, has the most advanced pattern scanning functionality available.



Graphical User Interface from the PLT module

Lower energy is concentrated to a smaller volume allowing use of lower powers and shorter pulse durations resulting in minimally traumatic treatment. According to a recent study, PLT has successfully reduced IOP without the scarring and burns associated with ALT.<sup>1</sup> PLT gives a novel approach to glaucoma management within a multi-functional laser system.



Intraocular pressure (IOP) follow-up during the first 6 months. The IOP significantly decreased from the pretreatment level of  $20.5 \pm 4.7$  to  $15.0 \pm 2.1$  mm Hg at one month ( $p < 0.01$ , t-test) and remained until 6 months ( $13.4 \pm 3.7$  mmHg,  $p < 0.05$ ).

## Post-operative treatment reports

- » Detailed printed summaries of each PLT procedure are provided, along with details of each laser setting, parameters and locations of the patterns.
- » Automated documentation of patient treatment, pattern placement and system parameters offers added security for record maintenance.



### HEADQUARTERS

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<sup>1</sup> Data on file at Topcon Medical Laser Systems

\* The PLT module is not FDA cleared for sale in the USA.