VICTUS™ 3rd Generation
taking femtosecond technology to the next level
The New 3rd Generation VICTUS™ Femtosecond Laser Platform

New intuitive OCT supported workflow and streamlined graphic user interface (GUI)

Advanced Identification Management System (AIMS)

New online and high contrast visualisation based on swept source OCT technology (2S-OCT)

Online OCT imaging active throughout all procedural steps and for all procedures, including cataract, LASIK flap and therapeutics

Newly available therapeutic procedures and fragmentation patterns

Curved Patient Interface with Intelligent Pressure Sensors

Full Vision - Continuously online with 2S-OCT technology for every step of the procedure

2S-OCT is designed to provide high contrast imagining and a new experience in visualization. Swept Source technology enables improved imaging speed and imaging sensitivity compared to conventional time domain detection techniques. VICTUS 2S-OCT achieves with thousands of A-scans per second an unprecedented responsive video frame rate of 25 Hz.

- Cross-sectional scans cover a width of 12.5mm and a depth of 11.0mm
- High resolution of less than 15µm axially and 25µm laterally

Large image depth allows the display of the complete range of interest between the cornea and the posterior lens surface during a cataract procedure. 2S-OCT technology enables online optical coherence tomography during docking and alignment, plus full visualisation of the entire treatment.

Advanced Identification Management System (AIMS)

The 2S-OCT technology provides a new software supported recognition of eye structures – Advanced Identification Management System (AIMS) – and allows:

- Identification of key landmarks in ocular anatomy and automatic determination of safety zones
- Creation of customised treatment plan prior to surgery for surgeon review
- Review and confirmation of treatment plan before proceeding with laser procedure

AIMS now enables OCT-guided adjustment for:

- LASIK Flap
- Cataract volume and tilt in the anterior and posterior lens surfaces
- Pupil decentration
- Individual planning of
  - up to 3 Corneal Incisions with an up to 3-planar architecture
  - up to 2 Arcuate Incisions independently configurable in diameter, depth, position and size
  - up to 2 partial Ring Segment Tunnels or one full tunnel customizable in diameter, depth and width
Even Greater Versatility

The VICTUS Femtosecond Laser Platform is the all-in-one multi-procedural platform, now featuring new fragmentation patterns and therapeutic procedures.

**Cataract**
- Anterior Capsulotomy
- Lens Fragmentation
  - Ring Cuts, Radial Cuts, Spider Web, Grid Pattern
  - Arcuate Incisions
- Primary/Secondary Incisions

**Corneal Applications**
- LASIK Flap

**Therapeutic Applications**
- Penetrating Keratoplasty
- Intrastromal Corneal Ring Segments
- Lamellar Keratoplasty
- Pockets for Crosslinking

**Alignment screen for the capsulotomy and lens fragmentation treatments**
The planned treatment is reviewed and approved by the surgeon.

**OCT-guided planning of arcuate incisions.**
A magnified OCT cross sectional scan allows the adjustment of the depth of the incisions to the local pachymetry.

**Live images during docking of the patient.**
The patient’s eye is positioned based on the surgeon’s review of the live camera and OCT cross sectional image. Note the air gap visible while the eye is not in contact with the patient interface.

**Template based treatment planning.**
For each VICTUS procedure several templates can be created prior to surgery streamlining the whole surgery work-flow.

**Operating Room Efficiency**

The VICTUS Femtosecond Laser has been designed for improved efficiencies and patient comfort:

- Template-based programming for all procedures
- Intuitive, workflow based graphical user interface (GUI) design
- Reduced suction time*

*data on file

**Intuitive Design**

Enhancements to the 3rd Generation VICTUS Femtosecond Laser Platform provide surgeons with greater ease of use:

- New Patient Interface 125 with a treatment zone larger than 12.5mm over the corneal arc to accommodate all treatment designs
- Redesigned headrest with integral joystick and control for more intuitive docking
- New VICTUS GUI design for:
  - advanced intuitive planning
  - optimised flow with just a small number of clicks
  - overlay on/off function
SW 3.2 / 2S-OCT is not available for sale in the U.S., Canada, China and Brazil. Indications and approvals may vary by country. The VICTUS™ Femtosecond Laser Platform has CE Marking for capsulotomy, lens fragmentation, arcuate incisions, corneal incisions, LASIK flap, ICRS, keratoplasty (PKP), lamellar keratoplasty (LKP) and pockets for X-linking (CXL). Indications may vary by country. The VICTUS™ Femtosecond Laser Platform is cleared in the United States for creation of a corneal flap in patients undergoing LASIK surgery or other treatment requiring initial lamellar resection of the cornea, anterior capsulotomy, and lens fragmentation during cataract surgery, corneal incisions and arcuate incisions.

* alternatively patient bed with entrance position 70°