INTRODUCING THE VICTUS®
FEMTOSECOND LASER PLATFORM

Exceptional versatility without compromise.

The VICTUS platform has CE Marking for capsulotomy, lens fragmentation, arcuate corneal incisions, LASIK flap, INTRACOR®, and keratoplasty. Indications may vary by country.

The VICTUS 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 and anterior capsulotomy during cataract surgery.
Introducing VICTUS—the first femtosecond laser capable of exceptional performance across cataract, therapeutic, and refractive procedures on a single platform. VICTUS takes versatility to an entirely new level, enabling you to perform capsulotomies, lens fragmentation, arcuate incisions, therapeutic procedures, and even LASIK flap. In all of its features and capabilities, VICTUS is engineered to meet the standards of the clinician who truly embraces innovation.

The VICTUS platform has CE Marking for capsulotomy, lens fragmentation, arcuate corneal incisions, LASIK flap, INTRACOR, and keratoplasty. Indications may vary by country.

The VICTUS platform is cleared in the United States for creation of a corneal flap in patients undergoing LASIK surgery or other treatments requiring initial lamellar resection of the cornea post-cataract capsulotomy during cataract surgery.

FEMTOSECOND TECHNOLOGY THAT EMPOWERS
As the first femtosecond laser system with real-time, high-contrast OCT, VICTUS allows for precise planning and visual monitoring of the entire procedure.

EXCEPTIONAL

An extension of your own skilled hands, VICTUS begins every procedure with the utmost accuracy. Advanced docking technology is designed to eliminate the possibility of eye tilt and distortion, allowing for better centration, more perfect cutting and fragmentation procedures, greater stability, and reduced vacuum requirements—while avoiding posterior corneal folds or ripples. Visibility of the surgical field is then optimized by real-time, high-contrast optical coherence tomography (OCT) to provide exceptional performance.

Time after time.
Your practice has seen many changes through the years, but nothing quite like this. With VICTUS, your capabilities aren’t merely extended—they’re multiplied. The flexible, two-piece, curved patient interface, advanced optics, and Intelligent Pressure Sensors are fundamental to the versatility of VICTUS. These systems address the full three-dimensional area of the anterior segment, seamlessly adapting to the unique requirements of individual lens and corneal surgeries. The Intelligent Pressure Sensors monitor docking pressure, enabling the surgeon to stabilize the eye and exert precise pressure, and are designed to prevent suction loss across procedure types. Whether the indication is cataract, refractive, or therapeutic, VICTUS addresses them all with unparalleled versatility and performance that meet your high standards.
Your patient’s well-being is the primary concern. The unique Patient Interface Suction Clip is designed to ensure patient comfort, even in small eyes.

Ophthalmic surgery by its nature requires uncompromising precision. With that precision came painstaking effort. Until now.

The curved patient interface of VICTUS is a diamond-turned optical contact surface. It’s a system designed for your patients’ comfort, and your confidence, due to smooth, accurate centration and docking.

The easy-to-use graphic interface provides feedback to the surgeon from the Intelligent Pressure Sensors to assist with eye stabilization and prevention of corneal movements across procedures, including LASIK flap. This design provides an unobstructed path into an accurately centered eye, every time.

An elegantly executed procedure is now designed to be as comfortable as it is precise.
Consider, for a moment, the big picture. Once a femtosecond laser system has been designed and built, it will be judged on its real-world abilities to raise the standard of clinical performance.

Like no other system, VICTUS is equipped to deliver the full potential of today’s femtosecond laser technology. With a single service contract and highly trained experts who provide local as well as global support, VICTUS stands alone. As the only femtosecond laser platform that is able to perform cataract, refractive, and therapeutic applications, VICTUS assures your position on the leading edge. Now and for years to come.

For more information, visit www.TechnolasPV.com or contact your local representative.
Real-time, high-contrast OCT facilitates planning and control of procedures

- OCT imaging is performed in real time during the procedure, designed to improve surgeon control
- Enables image-guided cataract surgery planning
  - Cornea and lens scanning for cataract treatments
  - Intuitive treatment planning
  - Designed to facilitate simple centering and incision adjustment
- Real-time imaging continues throughout treatment phase
- Designed with precision in mind

*Optical coherence tomography.
Optimized by Intelligent Pressure Sensors
and the unique curved patient interface

**VICTUS Intelligent Pressure Sensors**

When the laser assembly docks, the Intelligent Pressure Sensors monitor the pressure between the docking device and the eye. A graphic display shows the symmetrical radial pressure, while the graphical user interface shows the vertical pressure. Using this 3-dimensional pressure evaluation, the physician is able to center and stabilize the eye and select the optimal, procedure-specific downward pressure on the cornea.

**The curved patient interface**

Monitored by the Intelligent Pressure Sensors, the curved patient interface preserves the natural shape of the eye for all procedures. The unique, 2-piece design allows for flexible and gentle docking to virtually any eye. This is designed to minimize the possibility of posterior corneal folds or ripples, ensuring that the laser beam path will be unobstructed for precise cutting.

**Flexible 2-piece curved patient interface offers:**

- Separate suction ring designed to fit all eye topographies without distorting the cornea
- Precise initiation of suction designed to minimize the possibility of suction loss
- Easy pupil alignment and tilt adjustment
- Docking monitored by the Intelligent Pressure Sensors

**Precise alignment designed to maintain the natural shape of the eye**

Only the VICTUS® Femtosecond Laser Platform features advanced docking technology that minimizes the possibility of eye tilt or distortion.

**The VICTUS docking system provides:**

- Two-piece design and Intelligent Pressure Sensors designed for:
  - High precision
  - Maintaining suction
  - Stabilizing the eye
  - Less vacuum to improve patient comfort
- Optimum design for enhanced:
  - OCT imaging
  - Optical quality
  - Accurate incisions
  - Fragmentation
  - Capsulotomy
- Designed to minimize:
  - Posterior corneal folds or ripples
  - Capsular rupture
  - Conjunctival hemorrhaging

Minimizing the possibility of corneal folds helps to maintain the high-quality of the laser beam to provide precise cuts.

**Minimizing the possibility of corneal folds helps to maintain the**

**high quality of the laser beam to provide precise cuts.**

**Flexible 2-piece curved patient interface offers:**

- Separate suction ring designed to fit all eye topographies without distorting the cornea
- Precise initiation of suction designed to minimize the possibility of suction loss
- Easy pupil alignment and tilt adjustment
- Docking monitored by the Intelligent Pressure Sensors

**Precise alignment designed to maintain the natural shape of the eye**

Only the VICTUS® Femtosecond Laser Platform features advanced docking technology that minimizes the possibility of eye tilt or distortion.

**The VICTUS docking system provides:**

- Two-piece design and Intelligent Pressure Sensors designed for:
  - High precision
  - Maintaining suction
  - Stabilizing the eye
  - Less vacuum to improve patient comfort
- Optimum design for enhanced:
  - OCT imaging
  - Optical quality
  - Accurate incisions
  - Fragmentation
  - Capsulotomy
- Designed to minimize:
  - Posterior corneal folds or ripples
  - Capsular rupture
  - Conjunctival hemorrhaging

Minimizing the possibility of corneal folds helps to maintain the high-quality of the laser beam to provide precise cuts.

**Flexible 2-piece curved patient interface offers:**

- Separate suction ring designed to fit all eye topographies without distorting the cornea
- Precise initiation of suction designed to minimize the possibility of suction loss
- Easy pupil alignment and tilt adjustment
- Docking monitored by the Intelligent Pressure Sensors

**Precise alignment designed to maintain the natural shape of the eye**

Only the VICTUS® Femtosecond Laser Platform features advanced docking technology that minimizes the possibility of eye tilt or distortion.

**The VICTUS docking system provides:**

- Two-piece design and Intelligent Pressure Sensors designed for:
  - High precision
  - Maintaining suction
  - Stabilizing the eye
  - Less vacuum to improve patient comfort
- Optimum design for enhanced:
  - OCT imaging
  - Optical quality
  - Accurate incisions
  - Fragmentation
  - Capsulotomy
- Designed to minimize:
  - Posterior corneal folds or ripples
  - Capsular rupture
  - Conjunctival hemorrhaging

Minimizing the possibility of corneal folds helps to maintain the high-quality of the laser beam to provide precise cuts.
VICTUS®: Support that sets the standard

Bausch + Lomb has joined with Technolas Perfect Vision GmbH (TPV) to bring you VICTUS—the first femtosecond laser for performing cataract, therapeutic, and refractive procedures on a single platform.

Technolas Perfect Vision GmbH

- Innovative, leading, surgeon-focused ophthalmic laser company with over 20 years of experience in developing and manufacturing cutting-edge laser technologies
- A modern manufacturing facility in Munich, Germany, provides Center of Excellence product training

Comprehensive support and monitoring

- Hotline support
- Troubleshooting
- Customer nomogram analysis
- Global service organization includes over 180 highly trained, certified application specialists and technical-service engineers
- Assures rapid response, personal service, and clinical support with specialized teams of local service personnel

Contact your Bausch + Lomb/TPV representative to find out more about the excellent level of service and support available for achieving peak performance with the VICTUS Femtosecond Laser Platform.

The VICTUS platform has CE Marking for capsulotomy, lens fragmentation, arcuate corneal incisions, LASIK flap, INTRACOR®, and keratoplasty. Indications may vary by country.

The VICTUS 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 and anterior capsulotomy during cataract surgery.

©2012 Bausch & Lomb Incorporated. VICTUS and Intelligence meets the eye are trademarks of Bausch & Lomb Incorporated or its affiliates. TECHNOLAS and INTRACOR® are trademarks of Technolas Perfect Vision GmbH. SU67 61 08/12

Installation and operation

- Site inspection, evaluation, and release by specialized field engineers
- Transportation to the clinic/laser room, plus evaluation and support
- System installation, operational tests, quality release, and certification by trained, certified service technicians

Clinical application support

- Complete, on-site training for the surgeon
- Staff training and support programs to ensure seamless adaptation to your practice

Contact your Bausch + Lomb/TPV representative to find out more about the excellent level of service and support available for achieving peak performance with the VICTUS Femtosecond Laser Platform.
**Technical Specifications**

**System**
- **Laser Type**: Diode-pumped solid state laser (DPSSL)
- **Wavelength**: 1028 nm
- **Pulse Frequency**: 40, 80, or 160 kHz depending on procedure
- **Pulse Duration**: 400–550 fs
- **Power Supply**: 230 Vac ~ 50 Hz/60 Hz
- **Power Consumption**: Max. 3 kW
- **Weight**: 800 kg
- **Dimensions**:
  - L: 207.5 cm (without patient bed)
  - L: 210.0 cm (with patient bed)
  - W: 82.5 cm
  - H: 167.3 cm

**System Components**
- Main laser unit
- Patient bed included
- Sterile patient interface kit
- **Visualization**:
  - Real-time, high-contrast OCT
  - High-resolution video microscope
  - Optional external microscope
- **Patient Interface**:
  - Intelligent Pressure Sensors
  - Curved interface with separate suction clip

**Applications**
- **Refractive**
  - LASIK flap
  - INTRACOR®
- **Cataract**
  - Capsulotomy
  - Lens fragmentation
  - Arcuate corneal incisions
- **Therapeutic**
  - Keratoplasty

**Environment**
- **Room Conditions**:
  - Temperature: 18°C to 24°C, controlled to ±1°C
  - Humidity: 30% to 50%, noncondensing
  - Dust and particles are prohibited; no carpet, no solvent, chemical liquids, or fumes
- **Room Dimensions**:
  - Recommended: 3.4 x 3.7 m

**Installation Requirements**
- All corridors and doorways leading to the laser room must be wider than 84 cm (no doorstops less than 2 m behind doors)
- Corridors narrower than 120 cm must have no 90° corners
- Floors must not have gaps > 2.5 cm
- If an elevator must be used, it must have a minimum length of 2.0 m and a minimum width of 84 cm, and accept a minimum load of 850 kg
- If a ramp is necessary to overcome stairs, an angle of 20° should not be exceeded
- The floor leading to and in the room must support 750 kg for the laser and 250 kg for the bed, plus the weight of personnel and patient (e.g., 300 kg)
- The room must not have been painted within 3 weeks prior to installation

**VICTUS System Dimensions**
- **Top View**
- **Front View**
- **Side View**

©2012 Bausch & Lomb Incorporated. VICTUS and intelligence meets the eye are trademarks of Bausch & Lomb Incorporated or its affiliates. TECHNOLAS and INTRACOR are trademarks of Technolas Perfect Vision GmbH. 5/10/12 08/12
Introducing the VICTUS® Femto Second Laser platform

Exceptional versatility without compromise

The VICTUS platform has CE Marking for capsulotomy, lens fragmentation, arcuate corneal incisions, LASIK flap, Intracor®, and keratoplasty. Indications may vary by country.

The VICTUS 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 and anterior capsulotomy during cataract surgery.