

SURGICAL

PORTFOLIO OF INNOVATIONS



CATARACT



LASER



RETINA

BAUSCH + LOMB
See better. Live better.

TABLE OF CONTENTS

INNOVATING SINCE 1853

P. 3

RETINA

P. 10

CATARACT

P. 6

360° SUPPORT

P. 12

LASER

P. 8

EDUCATION

P. 14



INNOVATING SINCE 1853



BAUSCH + LOMB

See better. Live better.

BAUSCH+LOMB HAS BEEN INNOVATING SINCE 1853

In 1853, **Jacob Bausch** set up a tiny optical goods shop in Rochester, New York. His good friend **Henry Lomb** lent him money to keep his business going, which is how the **Bausch+Lomb** partnership was formed.



BY 1903: PATENTS AWARDED FOR SPECIALIZED PRODUCTS

Bausch+Lomb revolutionized rubber eyeglass frames as well as a variety of other optical products produced with a high degree of manufacturing precision. By 1903, the company had been awarded patents for microscopes, binoculars and even a camera shutter based on the eye's reaction to light.



THE STORY CONTINUES THROUGHOUT THE TWENTIETH CENTURY

Throughout the twentieth century **Bausch+Lomb** continued to demonstrate its place at the forefront of technological innovation in optical products. The company produced the first optical quality glass, manufacturing sunglasses for the military in World War I and the camera lenses that took the first satellite pictures of the moon.

A COMPANY RECOGNIZED FOR ITS QUALITY

The company is one of the best-known healthcare brands in the world, producing contact lenses, lens care products, pharmaceuticals, intraocular lenses and other eye surgery products.

For over 165 years, **Bausch+Lomb** has been a hallmark of innovation and quality. **Bausch+Lomb** works relentlessly to invent new materials, engineer new technologies and bring new innovations to help people see better to live better.

SURGICAL PORTFOLIO OF INNOVATIONS

B+L SURGICAL: A DIVISION WITH A GLOBAL PRESENCE

Bausch + Lomb's surgical division provides the tools and technologies to enable the use of highly innovative techniques for the treatment of cataract, corneal, refractive, vitreous and retinal eye conditions. This includes intraocular lenses and delivery systems, phacoemulsification equipment, and other surgical instruments and devices.

STATE-OF-THE-ART PRODUCTS DEDICATED TO SURGERY

The company is a global leader in developing state-of-the-art surgical products like the VICTUS® Femtosecond Laser Platform, the Stellaris Elite™, which is an innovative phaco system, a full spectrum of intraocular lenses and a large range of instruments through the Bausch+Lomb Storz Ophthalmic Instruments line. The surgical division continues to expand into other specialized fields in ophthalmology.

B + L SURGICAL, A GLOBAL PRESENCE

B+L SURGICAL LOCATIONS ■ □

> 77 countries

VALUES ■ □

- > Innovation & Quality
- > Craftsmanship & Expertise

AREAS ■ □

- > Sales, Customer Services
- > Logistics, Marketing, R&D
- > Field Services
- > Human Resources
- > Finances, IT

B+L SURGICAL PRODUCTS ■ □

- > A complete portfolio of surgical products.
- > Cataract, retinal, refractive, vitreous and corneal surgery

DIVISIONS ■ □

- > Cataract
- > Laser
- > Retina

BAUSCH + LOMB
See better. Live better.

A COMPLETE PORTFOLIO OF SURGICAL PRODUCTS



Bausch + Lomb Surgical offers multiple innovations and advanced technologies in cataract surgery with the objective of continuously improving the practice efficiency of the surgeons and also patient outcomes.

Stellaris Elite
Vision Enhancement System

STELLARIS[®]
ELITE™ ANTERIOR

- > Versatile dual-function platform
- > Combining Adaptive Fluidics™ system
- > Attune[®] energy technology
- > Wireless Dual Linear Foot Pedal



victus
Femtosecond Laser Platform

The **VICTUS[®] Femtosecond Laser** is a versatile platform with cataract, LASIK flap, and therapeutic indications. It features Swept Source (2S) OCT Technology for live, online, continuous viewing of the entire procedure for all procedures.



CATARACT

INTRAOCCULAR LENS WITH A UNIQUE SET OF FEATURES

enVista[®]
hydrophobic acrylic IOL

TruSight™ optic: Glistening-free^{1,2,3}

AccuSet™ haptics: Adaptive, predictability^{3,4,5}

StableFlex™ technology: Controlled unfolding⁶

SureEdge™ design: Continuous 360° posterior square edge



CAPSULEGUARD® I/A HANDPIECE

For all phases of irrigation and aspiration.

A fully assembled single-use instrument designed to safety, consistency and convenience.



ADVANCED TECHNOLOGIES
IN CATARACT SURGERY

VISCOELASTIC RANGE

Our **Viscoelastics** range offers a large choice for every procedure. 8 products to fit with a wide range of surgical scenarios and patient needs.

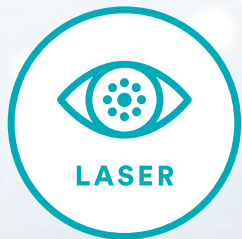


Bausch + Lomb Surgical range of products for cataract procedures includes:

VICTUS® Femtosecond Laser Platform; Stellaris® Elite™ Anterior; A full range of intraocular lenses: Akreos® MICST™, Akreos® Adapt AO, Versario®, enVista®, enVista® Toric, INCISE®, EyeCee® One and EyeCee® One Crystal; A viscoelastic range of products: Amvisc®, Amvisc® Plus, OcuCoat®, Eyefill® range and Instruments

BAUSCH + LOMB
See better. Live better.

A COMPLETE PORTFOLIO OF SURGICAL PRODUCTS

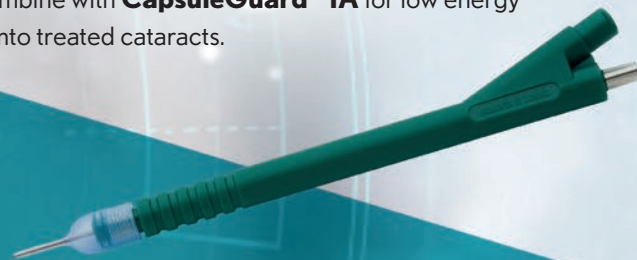


Bausch + Lomb Surgical is at the cutting edge of innovation in laser systems. The **VICTUS® Femtosecond Laser Platform** provides an optimal performance across cataract and corneal surgical procedures. The **TECHNOLAS® TENEOTM 317 Model 2** strikes a perfect balance between state of the art technology, ergonomic design and intuitive use.

ZEROPHACO I/A

Single-use instrument designed for removing soft nuclei following femtosecond laser treatment.

Combine with **CapsuleGuard® IA** for low energy Femto treated cataracts.



TECHNOLAS® 317
TENEOM²

Bausch + Lomb range of products for laser procedures includes VICTUS® Femtosecond Laser Platform and TENEO 317 M²

BAUSCH + LOMB LASER PRODUCTS

> Introducing the **TECHNOLAS® TENEO™ 317 Model 2**

- □ 1,740Hz eyetracker
- □ Ergonomic
- □ Includes Supracor™ procedure for presbyopia
- □ Fast treatment
- □ Intuitive



UNIQUE DESIGN,
ERGONOMIC FEATURES

A COMPLETE PORTFOLIO OF SURGICAL PRODUCTS



Bausch + Lomb Surgical innovates in retina surgery with new system features. They integrate advanced retina surgery capabilities into the surgical platform to achieve a new level of surgical control and efficiency.



Stellaris Elite™

Vision Enhancement System

With a combination of leading-edge technologies, the all-new Stellaris Elite™ is designed to deliver optimised control and efficiency to a wide range of cataract and retina procedures.

- > **VITRECTOMY**
Versatile cutting options
- > **BI-BLADE®**
Stability 15,000 CPM
- > **VITESSE™ HYPERSONIC LIQUEFACTION**
Redefining vitreous removal
- > Comprehensive **VISUALIZATION** technologies
- > Complete portfolio of **HIGH-PERFORMANCE LASER PROBES**



INSTRUMENTATION & ACCESSORIES

- > Pinnacle 360^o™ Instrumentation
- > Diamond Dusted Membrane Scrapers
- > Laser Probes
- > Soft Tips & Backflush Handpieces

Today, Bausch + Lomb Storz[®] Ophthalmic Instruments offers a wide range of:

- > Microsurgical instruments for ophthalmology
- > High precision innovative single use devices

DESIGNED TO DELIVER
OPTIMISED CONTROL
AND EFFICIENCY



Now you can enjoy both precision and efficiency in 27ga handheld cutter with the **Bi-Blade[®]** dual-port difference. Its double-edge blade design effectively doubles the cut rate while allowing a continuous open port.

You can now take advantage of all the **Benefits of Small-Gauge⁷⁻¹³** instrumentation using a high cut rate.



Bausch + Lomb offers a large range of products for the Retina includes: Stellaris[®] Elite[™]; Packs; Pinnacle 360^o™ Instrumentation; Laser probes; Chandelier and Accessories

BAUSCH + LOMB
See better. Live better.

360° SUPPORT ENSURES MAXIMUM PERFORMANCE

Bausch+Lomb Surgical's extensive support service ensures maximum performance.

RESEARCH & DEVELOPMENT

Bausch+Lomb Surgical's R&D focuses on the development of technologically innovative products.

Products are engineered in five centers around the world: Saint Louis (Missouri, USA) for equipment; Clearwater (Florida, USA) for intraocular lenses; Irvine (California, USA) for IOLs part; Munich (Germany) for lasers and Heidelberg (Germany) for instruments.

TECHNICAL SERVICES

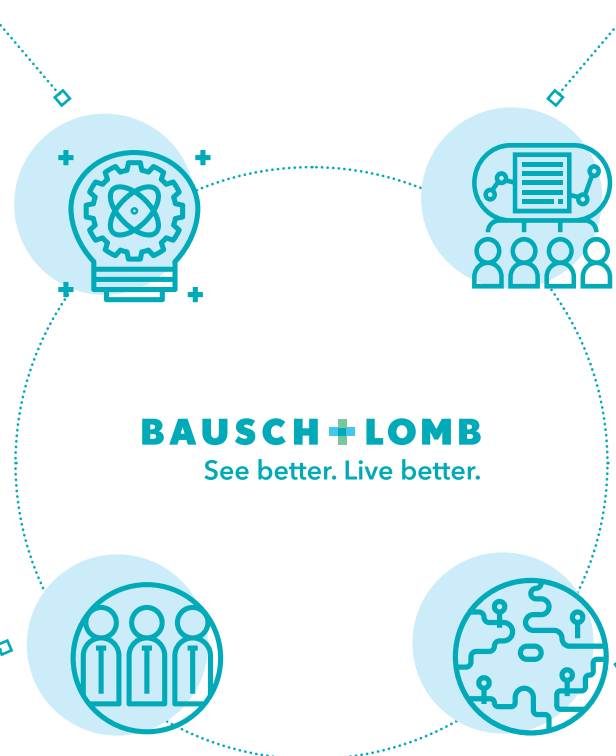
Engineers from **Bausch+Lomb** Surgical receive rigorous certification to prevent problems before they arise. A monitoring system enables software updates and data back-ups, with field engineers dispatched as needed.

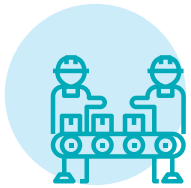
CUSTOMER SERVICES

An effective team is available to meet customer's needs relating to orders, pricing, product availability, returns, deliveries and credit notes. These services have strengthened our partnerships with healthcare professionals.

GLOBAL LOGISTIC CAPABILITIES

Orders and deliveries around the world are ensured by the **Bausch+Lomb** Surgical's Global Network of service representatives and distributors. Delivery time is around 24-48 hours.





MANUFACTURING OVERVIEW

Bausch+Lomb Surgical's manufacturing sites are situated in the United States and in Europe.

MANUFACTURING SITE St. Louis, Missouri

- > Cataract / vitreoretinal
- > ~220 employees



MANUFACTURING SITE Heidelberg, Germany

- > Instrument manufacturing
- > ~122 employees

MANUFACTURING SITE Munich, Germany

- > Technolas facility
- > ~180 employees



MANUFACTURING SITE Manchester, Missouri

- > Surgical instruments
- > ~80 employees



MANUFACTURING SITE Warszawa, Poland

- > IOL manufacturing
- > ~66 employees



MANUFACTURING SITE O'Fallon, Missouri

- > Synergetics instruments/equipment
- > ~250 employees



MANUFACTURING SITE Clearwater, Florida

- > IOL manufacturing
- > ~300 employees



EXPERTISE CENTERS TO TEST INNOVATIONS

WET LAB: SPECIALIZED SURGICAL “CENTER OF EXCELLENCE” FOR AN OPTIMAL TRAINING EXPERIENCE

Bausch+Lomb Surgical offers surgical training for healthcare professionals. Participants have the opportunity to “test drive” the latest innovations at the company’s wet labs in order to help advanced surgical techniques and competences.

These centers are fully equipped with B+L machines, instruments, necessary accessories, microscopes, operating table, and pig eyes for demonstration and training.

BERLIN



MUNICH



HEIDELBERG



SHANGHAI



MONTPELLIER

MADRID



BAUSCH + LOMB

See better. Live better.

Bausch + Lomb Nordic AB

Sweden: 08 616 95 70, Norway: 800 104 40, Denmark: 808 809 90, Finland 0800 118 011
customerservice.nordic@bausch.com

FOR MORE INFORMATION, PLEASE CONTACT YOUR BAUSCH+LOMB SURGICAL REPRESENTATIVE.

1. enVista™ Directions for Use. **2.** Tetz MR, Werner L, Schwahn-Bendig S, Battle JF. A prospective clinical study to quantify glistenings in a new hydrophobic acrylic IOL. Presented at: American Society of Cataract and Refractive Surgery (ASCRS) Symposium & Congress; April 3-8, 2009; San Francisco, CA. **3.** Heiner P et al. Safety and effectiveness of a single-piece hydrophobic acrylic intraocular lens (enVista®) – results of a European and Asian-Pacific study. *Clinical Ophthalmology* 2014;8:629-635. **4.** Packer et al. Safety and effectiveness of a glistening-free single-piece hydrophobic acrylic intraocular lens (enVista®). *Clinical Ophthalmology* 2013;7:1905-1912. **5.** Garzon et al. Evaluation of Visual Outcomes After Implantation of Monofocal and Multifocal Toric Intraocular Lenses. *J Refract Surg.* 2015;31(2):90-97. **6.** R&D report ENG16-067S_08082016. **7.** Recchia et al. Small-Gauge Pars Plana Vitrectomy: a Report by the American Academy of Ophthalmology. *Ophthalmology* 2010;117:1851-1857. **8.** Sheyman A., Lin Albert., Lieberman R. 27-Gauge Vitrectomy: the Future of Posterior Segment Surgery? *Advances in Ophthalmology and Optometry* 2016: 129-134. **9.** Lakhanpal RR et al. Outcomes of 140 consecutive cases of 25-gauge transconjunctival surgery for posterior disease. *Ophthalmology* 2005; 112: 817-824 M, et al. **10.** Dugel PU, Abulon DJ, Dimanta R; Comparison of attraction capabilities associated with high speed dual-pneumatic vitrectomy probes. *Retina* 2015 ; 35:915-920. **11.** Dugel PU, Zhou J, Abulon DJ, Buboltz DC. Tissue attraction associated with 20-gauge, 23-gauge, and enhanced 25-gauge dual-pneumatic vitrectomy probes. *Retina* 2012;32:1761-1766. **12.** Mitsui K. et al. Comparative study of 27-gauge vs 25-gauge vitrectomy for epiretinal membrane. *Eye* 2016;30:538-544. **13.** Teixeira A. et al. Vitreoretinal traction created by conventional cutters during vitrectomy. *Ophthalmology* 2010;117:1387-1392.