

VITESSE™ HYPERSONIC VITRECTOMY



REDEFINING VITREOUS REMOVAL



The unprecedented Vitesse hypersonic vitrectomy system advances the process of vitreous removal using an innovative and effective approach. Available exclusively on the Stellaris Elite™ system, Vitesse brings an exceptional level of surgical control and precision to vitrectomies.

- **Exceptional Control and Precision**

HyperV technology liquefies tissue in a highly-localized zone at the edge of the port

- **Consistent Flow**

OpenPort design is 100% open 100% of the time

- **Completely Unobstructed Aspiration**

Novel single-lumen design enables efficient vitreous removal^{1*}



Available
Exclusively on
Stellaris Elite

“ Vitesse is a fundamentally different method of vitreous removal and tissue dissection that may provide great surgical precision and efficiency. ”
—Carl Awh, MD

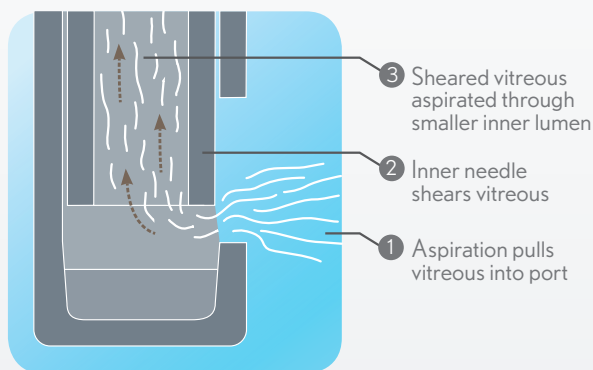
VITESSE™ HYPERSONIC VITRECTOMY

INGENIOUS VITREOUS LIQUEFACTION, FOR CONTINUOUS FLOW.

Compared to traditional pneumatic cutters which perform guillotine cuts of the vitreous, Vitesse liquefies vitreous for precise and continuous flow vitrectomy.

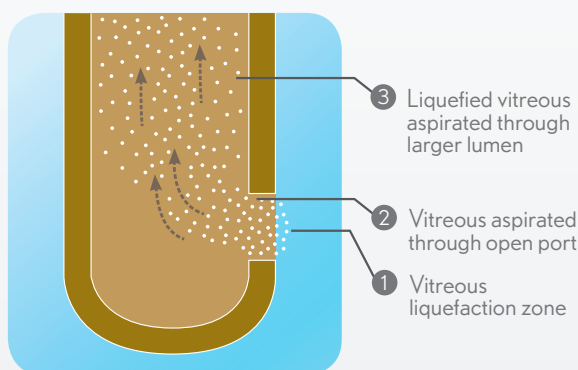
Traditional Pneumatic Cutters

- Needle-inside-a-needle design naturally restricts flow
- Vitreous is aspirated, then sheared by the guillotine-style cutter
- Guillotine action inherently creates traction



Vitesse Hypersonic Liquefaction

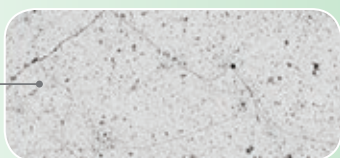
- Novel open port design enables continuous unrestricted fluid flow
- HyperV technology liquefies then aspirates vitreous at the edge of the port
- Design facilitates smooth, efficient vitreous removal^{1*}



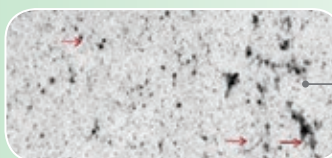
Electron Microscopy Findings in Human Vitreous

Hypersonic liquefaction results in significantly smaller fibril fragments

Pneumatic Cutter



Vitesse



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1. Stanga PE et al. Performance analysis of a new hypersonic vitrector system. *PLoS One*. 2017;6;12(6):e0178462. doi: 10.1371/journal.pone.0178462.

*In an in vitro laboratory study

Indications: The Bausch + Lomb Stellaris Elite™ vision enhancement system is intended for the emulsification and removal of cataracts, anterior and posterior segment vitrectomy. The system is designed for use in both anterior and posterior segment surgeries. It provides capabilities for phacoemulsification, coaxial and bimanual irrigation/aspiration, bipolar coagulation, vitrectomy, viscous fluid injection/removal and air/fluid exchange operations. The Stellaris Elite Vision Enhancement System configured with the laser module is additionally intended for retinal photocoagulation and laser trabeculoplasty.

Contraindications: All Systems: Use of accessories not designated by Bausch + Lomb for use with this equipment may result in serious permanent patient injury, adverse surgical outcome, or damage to the equipment. Systems with Laser Module: Photocoagulation is not indicated for patients without pigmentation (albino eyes). In addition, Laser Indirect Ophthalmoscope (LIO) is not indicated for cases involving laser photocoagulation within the arcades. **Warnings:** All Systems: Implantable defibrillators present a risk of injury if triggered by a fibrillatory event during intraocular surgery. Electromagnetic interaction between the phacoemulsification (phaco) handpiece and an implanted cardiac pacemaker is unlikely, but cannot be ruled out. Systems with Laser Module: All support personnel who are present during laser treatment must wear appropriate laser protective eyewear. **DO NOT** look directly into the aiming or treatment laser beam. Use of unapproved delivery devices may cause inaccurate laser delivery which could result in serious permanent patient injury. When using the Vitesse™ handpiece: Use only the Entry Site Alignment (ESA) devices provided with the Vitesse handpiece pack (yellow trocar caps). Do not use any ESA with metal components to avoid particulate in the eye. **This is not all you need to know. Systems with Laser Module: Misuse of the laser system may lead to dangerous situations and severe injuries. All Systems: See the appropriate Operator Manual for detailed directions, proper use, and full risk and safety information. See Vitesse handpiece pack Instructions for Use for detailed information on the use of the Vitesse handpiece. CAUTION:** Federal (U.S.) Law restricts this device to sale, by or on the order of a physician.

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