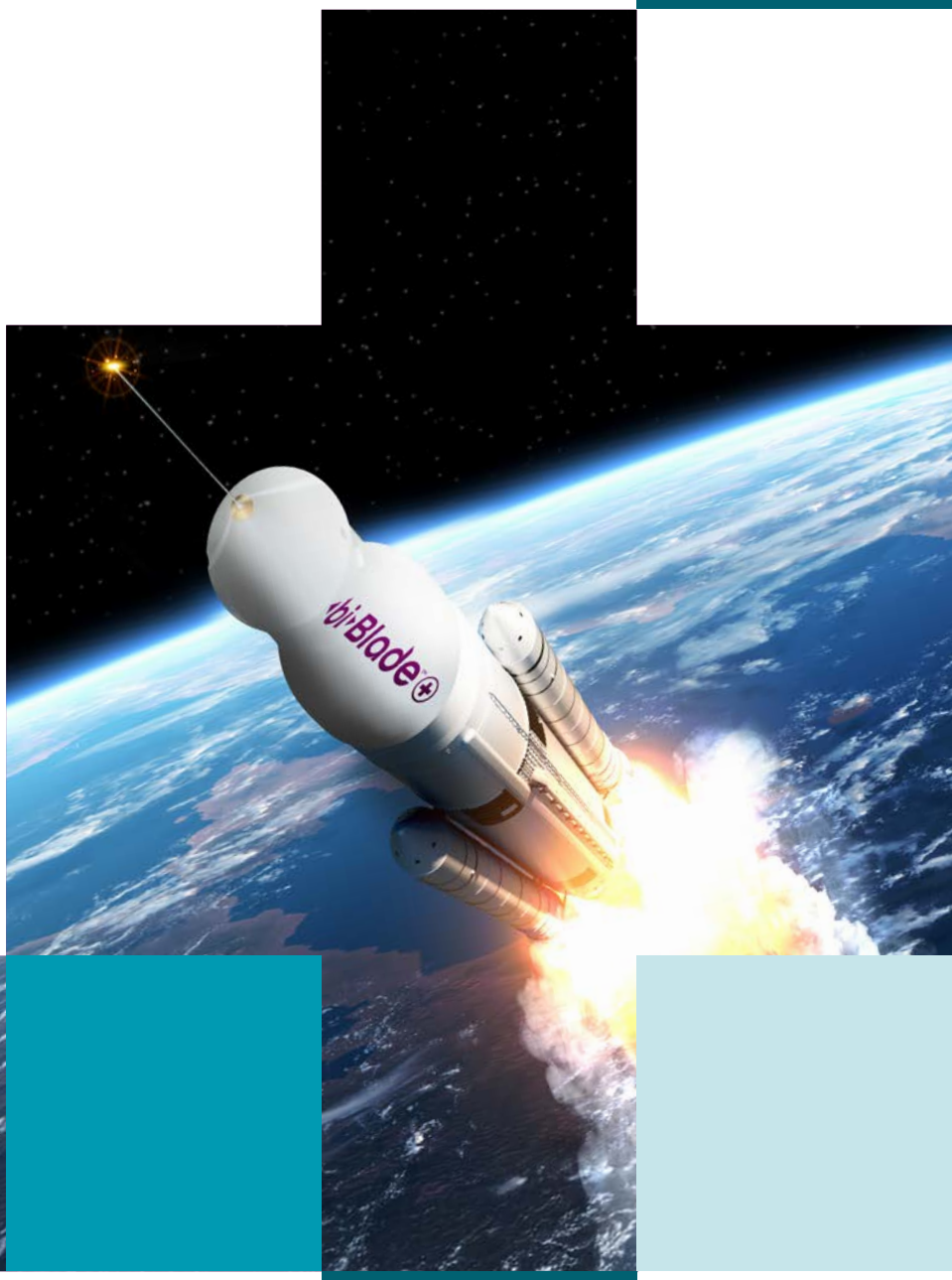
Small size.
Giant leap.

bi Blade™ +

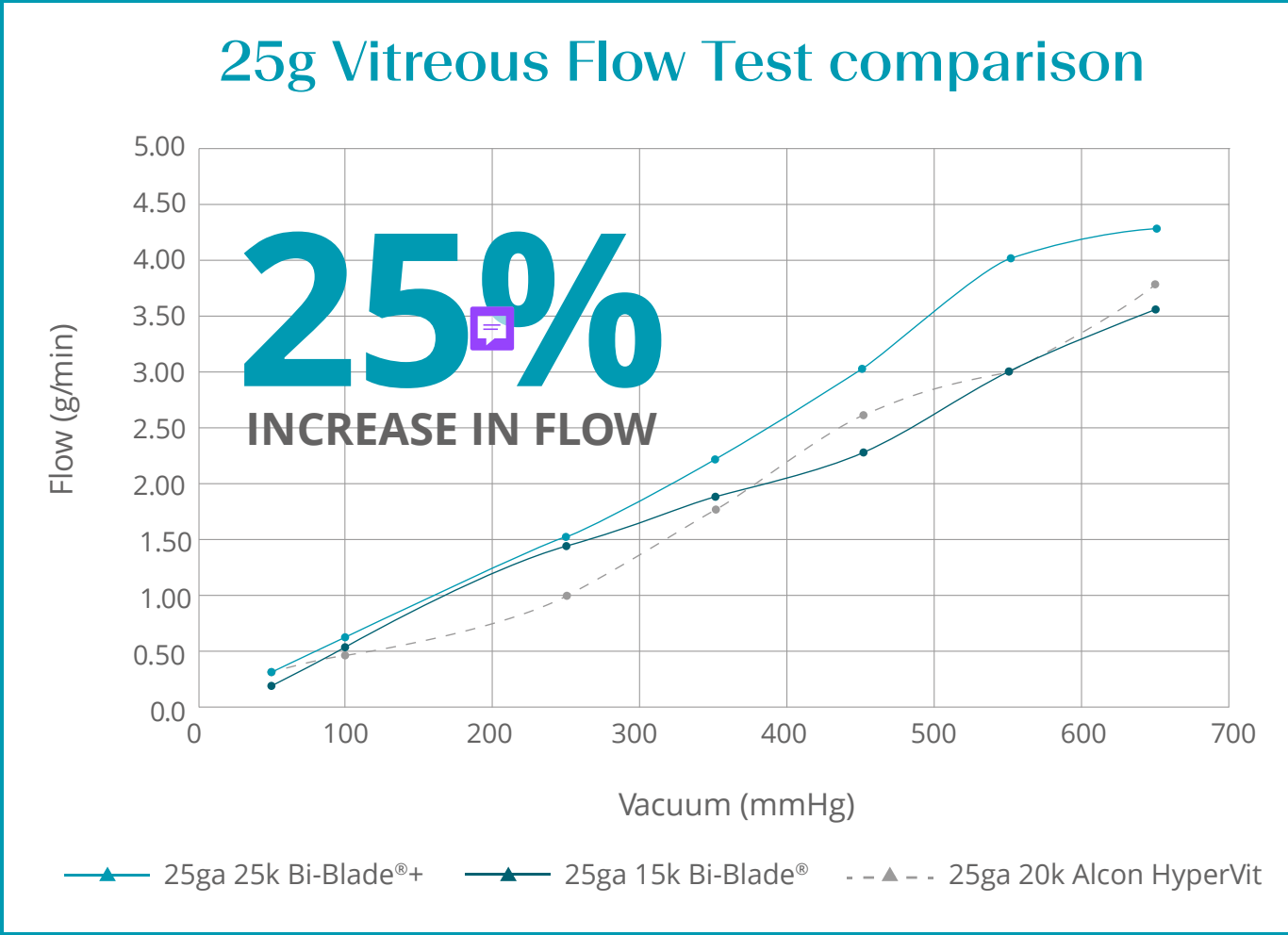
Perform at a
New Standard



BAUSCH + LOMB

Efficiency

The faster cut rate of bi-blade™+ improves flow rate to reduce retinal traction, and facilitate surgical conditions for streamlined procedures.



- Increase in cutting speed form 15K to 25K CPM to minimize retinal traction[4]
- Up to 25% increase in flow rate, for more efficient vitreous removal.[1,2,3]

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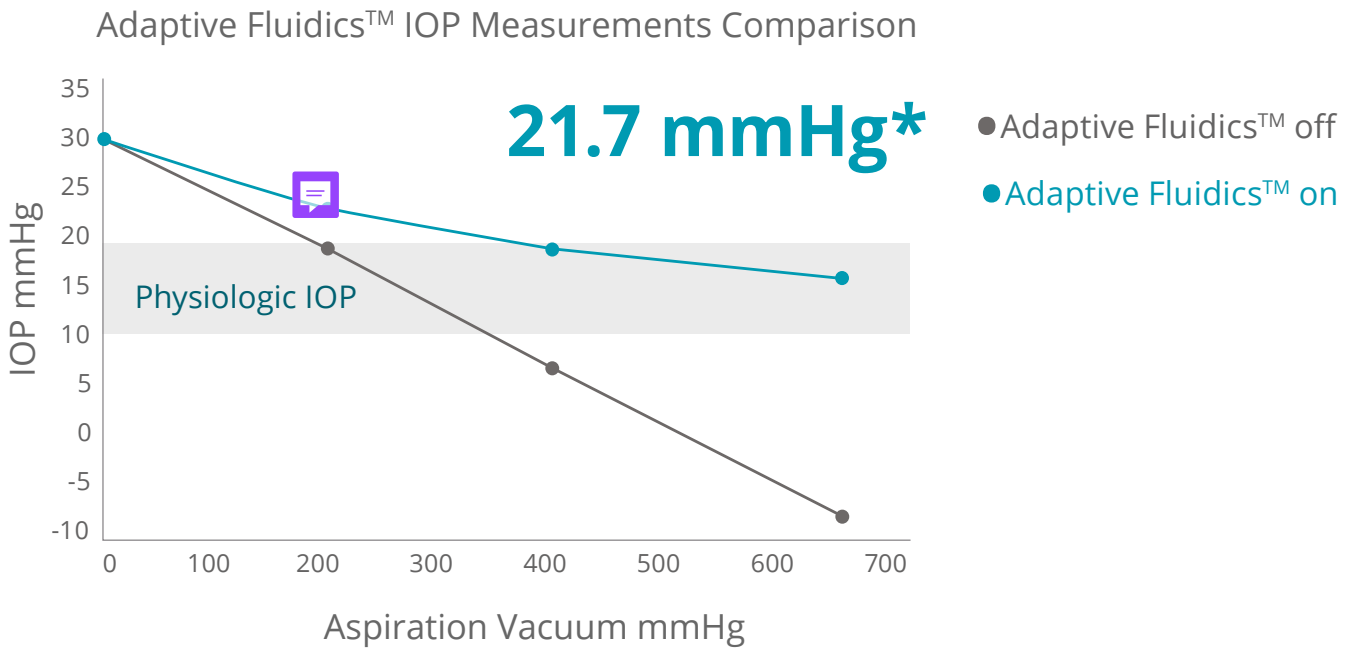
Predicitability Fluidics & Flow Stability

Bi-blade™+ with Adaptive Fluidics™ supports and maintains IOP stability.[1]

IOP performance 25g dual-action cutter in BSS



- Reduced sphere of influence and retinal traction.
- Continuous aspiration provides superior intraocular pressure (IOP) stability, even at high vacuum levels.[1]
- A 62% reduction in average infusion pressure with Adaptive Fluidics™ compared to surgeries in which Adaptive Fluidics™ was not used.[1]

Single Port Cutters

bi-blade™ Cutters

bi-blade+™ Cutters

*: average infusion pressure when PAF is used

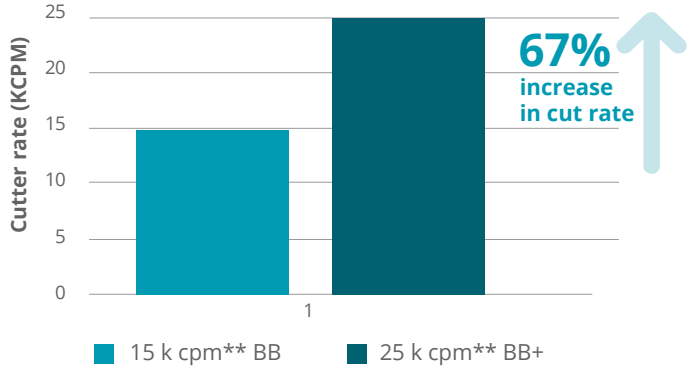
Control

bi-blade™+ optimizes surgeon feel and environmental control to help reduce risk.[1]

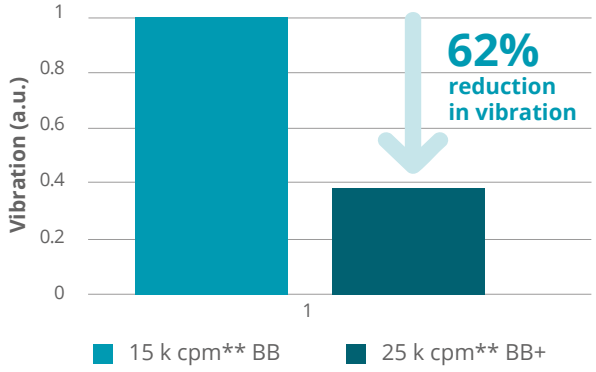
- At the maximum cut speed of 25,000 CPM, Bi-blade™+ demonstrates a 62% reduction in cutter vibration compared to Bi-blade®, for offering the surgeon enhanced feel and comfort towards a stable surgical experience [67% MORE cuts, with 62% LESS vibration]*[1]

- With the addition of Adaptive Fluidics™, there was a significant improvement in chamber IOP at a range closer to physiologic IOP (10 – 20 mmHg) even during high vacuum levels.[1]

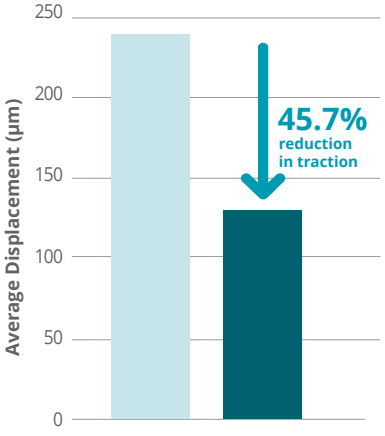
Cutter rate increase



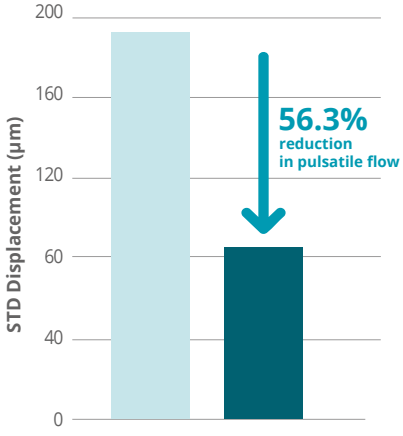
Cutter Vibration



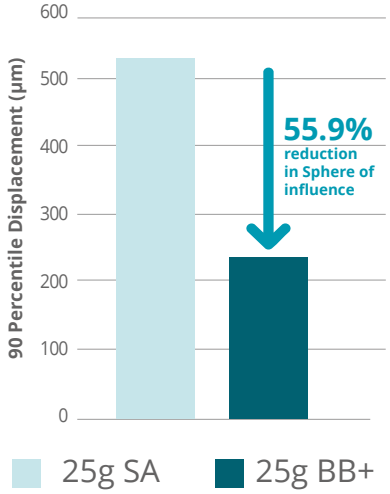
Traction



Pulsatile Flow



Sphere of influence



25g BB+ generates less traction, exhibits less pulsatiles flow, and has a smaller sphere of influence during vitreous removal[1]

*: compared to bi-Blade™
**cpm: cut per minute

BAUSCH + LOMB

bi Blade™ +

Engineered for

Stellaris Elite +
Vision Enhancement System

Stellaris Elite Systems, bi-Blade™ + Compatible	
SE14565	Elite PC system
SE15565	Elite 12.5K PC laser system
Elite 25K Packs	
SE5423WBB+	23 ga. Bi-blade™ + Vitreous Cutter Posterior Wide-Field Stellaris Elite Pack
SE5523WBB+	23 ga. Bi-blade™ + Vitreous Cutter Combined Wide-Field Stellaris Elite Pack
SE5425WWB+	25 ga. Bi-blade™ + Vitreous Cutter Posterior Wide-Field Stellaris Elite Pack
SE5525WWB+	25 ga. Bi-blade™ + Vitreous Cutter Combined Wide-Field Stellaris Elite Pack
SE5427WBB+	27 ga. Bi-blade™ + Vitreous Cutter Posterior Wide-Field Stellaris Elite Pack
SE5527WBB+	27 ga. Bi-blade™ + Vitreous Cutter Combined Wide-Field Stellaris Elite Pack
Elite 25K Anterior Vitrectomy pouch	
SE5623AVBB+	Elite 23 ga. Bi-blade™ + Anterior Vitrectomy

bi Blade™ +

EXPERIENCE
the Dual-Port Difference

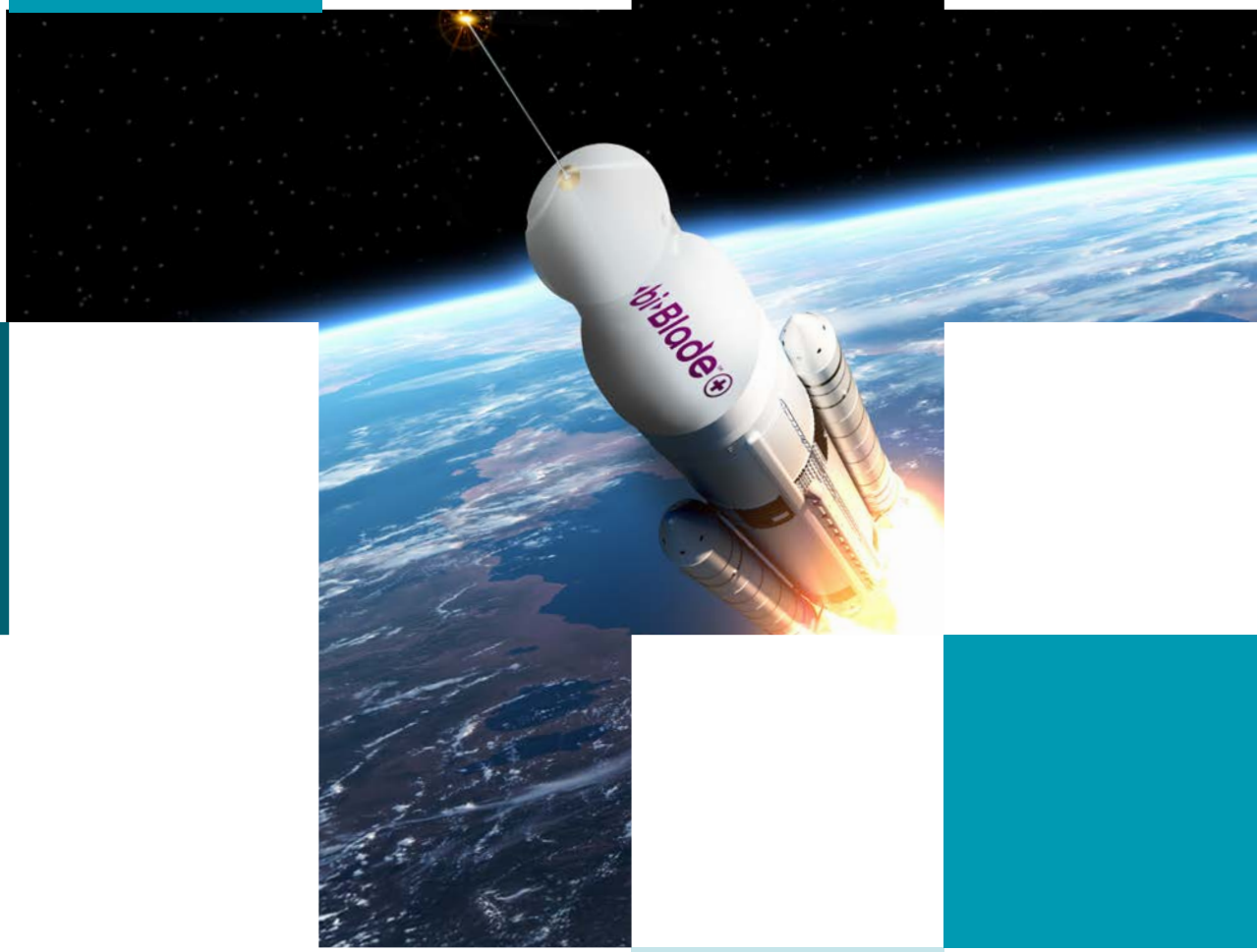
Minimize the sphere of influence

Reduce retinal traction which may cause iatrogenic tears

Promote a high standard of patient care

*Compared to Bi-blade®

1. R&D report 128006001: Biblade+ action characterization, sphere of influence, pulsatile flow, and traction _15/01/2025 **2.** Rossi T, Querzoli G, Angelini G, et al. Introducing new vitreous cutter blade shapes: a fluid dynamics study. Retina. 2014; 34(9):1896-904. **3.** Rossi T, Querzoli G, Malvasi C et al. A new vitreous cutter blade engineered for constant flow vitrectomy. Retina. 2014; 34(7):1487-91. **4.** Teixeira A, Chong LP, Matsuoka N et al. Vitreoretinal traction created by conventional cutters during vitrectomy. Ophthalmology. 2010 Jul;117(7):1387-92.e2.



biBlade™+

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CATARACT
GLAUCOMA
REFRACTIVE
RETINA
VISUALIZATION