

# Opti-Vit Twedge

ON THE CUTTING TWEDGE OF TECHNOLOGY

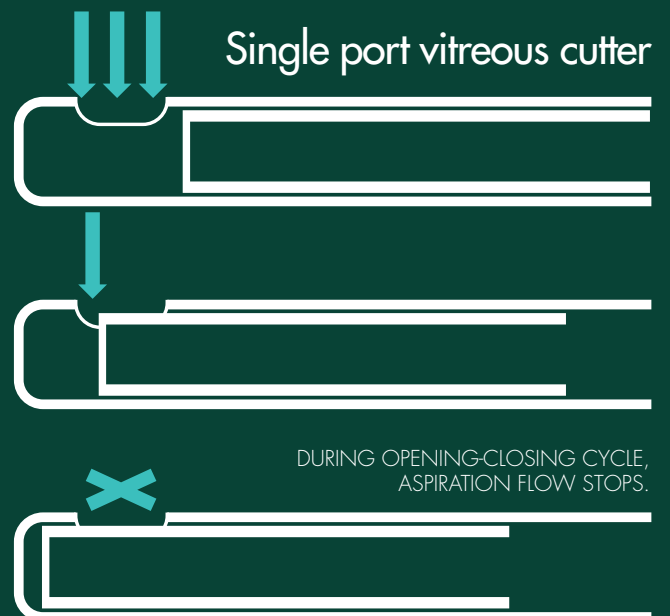
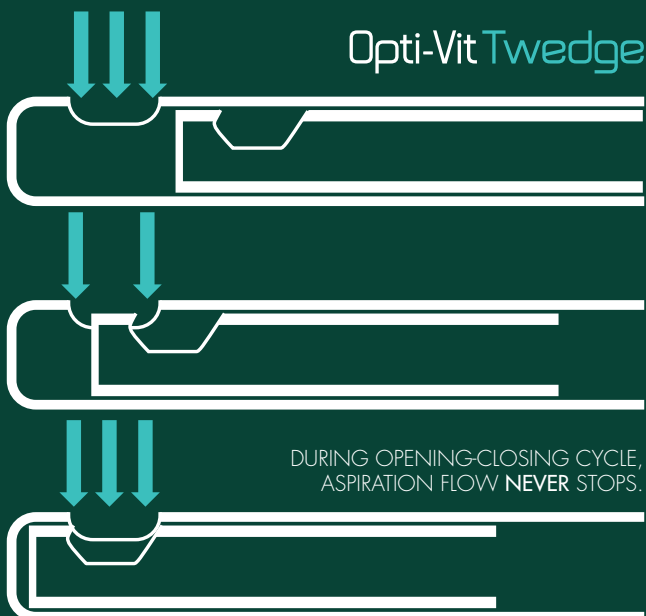


**NEW DUAL BLADE VITREOUS CUTTER**

INCREASED FLOW WITH AN OVER 30% REDUCTION IN SURGICAL TIMES

CONSTANT FLOW RATE WHEN THE CUT RATE VARIES

PULSE-FREE AND THE UTMOST SAFETY WHEN CLOSE TO THE RETINA



# Opti-Vit Twedge

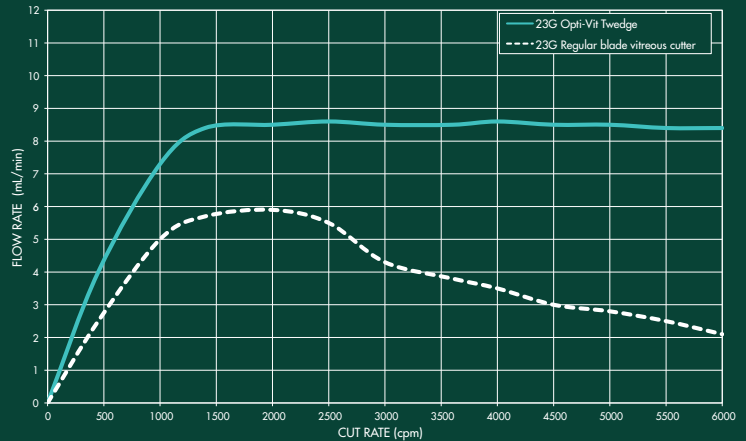
23G VITREOUS CUTTERS ASPIRATION CURVES

## INCREASED FLOW WITH AN OVER 30% REDUCTION IN SURGICAL TIMES

Flow rate differences (porcine vitreous, vacuum 650 mmHg, Venturi pump, Optikon R-Evolution CR) between the new 23G Opti-Vit Twedge vitreous cutter (solid line) and a 23G single port vitreous cutter (dotted line) are shown in the chart.

With the Opti-Vit Twedge, flow rate increases proportionally to the cutting rate up to 1500 cpm and remains steady up to 6000 cpm; vice versa, for a single port vitreous cutter, the flow rate decreases with the cutting rate once the maximum value has been passed (above 1500 – 2000 cpm).

The increased flow rate with an over 30% reduction in surgical times due to the new 23G Opti-Vit Twedge is highlighted when the two curves are compared.

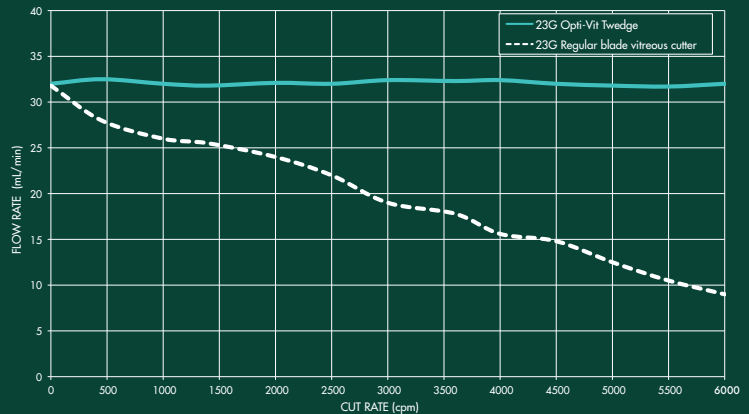


23G VITREOUS CUTTERS ASPIRATION CURVES

## CONSTANT FLOW RATE WHEN THE CUT RATE VARIES

The chart shows the flow rate differences (balanced salt solution, vacuum 650 mmHg, Venturi pump, Optikon R-Evolution CR) between the new 23G Opti-Vit Twedge vitreous cutter (solid line) and a 23G single port vitreous cutter (dotted line).

With the Opti-Vit Twedge, flow rate remains almost constant when the cut rate varies, while with a single port vitreous cutter, the flow rate drastically decreases as the cutting rate increases.

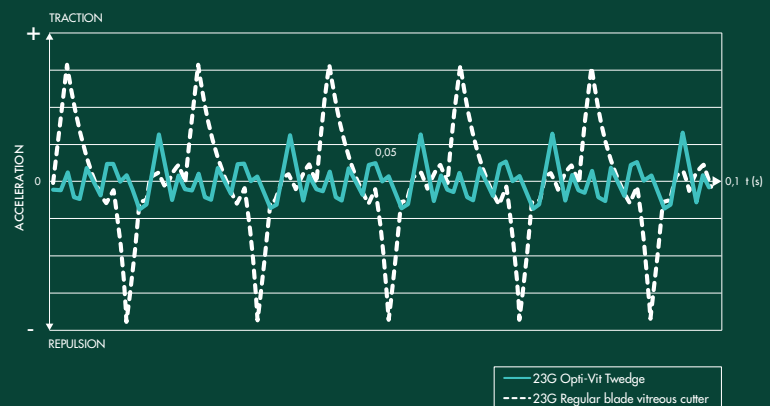


RETINAL STRESS DURING 23G VITRECTOMY

## PULSE-FREE AND THE UTMOST SAFETY WHEN CLOSE TO THE RETINA

Acceleration differences induced on porcine vitreous (3000 cpm, vacuum 300 mmHg, Venturi pump, Optikon R-Evolution CR) by the new 23G Opti-Vit Twedge vitreous cutter (solid line) versus 23G single port vitreous cutter (dotted line) are shown in the chart.

At every single working cycle of the blade, the stress reduction due to the Opti-Vit Twedge generates a pulse-free action and the utmost safety when close to the retina.



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