DUTCH OPHTHALMIC USA

UPGRADED

- Redesigned integrated footswitch
- Enhanced illumination

eva

Phaco - Vitrectomy system that maximizes surgeon control

WHY EVA ?

Phaco - Vitrectomy system that maximizes surgeon control

Meet EVA

an innovative cataract and vitrectomy system that maximizes surgeon control.

Enhanced fluidics: Vacuum & Flow

- Precise flow eliminating pulsation
- Fast vacuum rise times
- Automatic Infusion Compensation for IOP stabilization*

Redesigned integrated footswitch UPGRADED

- Integrated control of laser via main footswitch
- Single or Dual Linear control
- Wireless with longer battery life

Two dimensional cutting

- Stable flow at all cut speeds
- High speed cutting up to 16,000 cpm**
- High efficiency vitreous removal

Intuitive user interface

- Simple and logical
- 19 inch interactive screen with voice feedback
- Fully programmable surgeon preferences

LED endoillumination UPGRADED

- Light output increased by at least 30% (for 25/27G)
- No degradation of output for +10,000 hours
- Adjustable yellow tinting for extended surgical time

Complete phacovitrectomy system

- Efficient phaco emulsification
- Diathermy
- 532 nm laser
- Single, universal cassette for cataract, vitrectomy and combined procedures

* AIC available for vitrectomy mode

** The TDC cutter has a cut speed of up to 8,000 CPM and is designed to facilitate cutting tissue on the return of each stroke of the vitrectome, effectively doubling the cut speed.

REVOLUTIONARY DUAL MODE FLUIDICS: VACUFLOW VTI

Valve Timing Intelligence (VTi) pump provides surgeons with flexibility and control

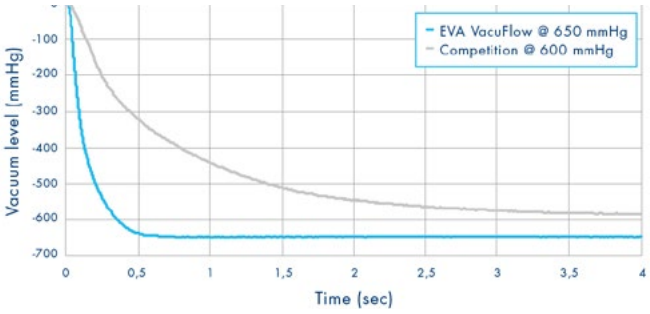
Vacuum Mode or Flow Mode?

There's no need to choose

Vacuum mode

- Provides surgeon with efficiency: tissue comes to the port
- Ideal for core vitreous removal
- Controllable vacuum response time

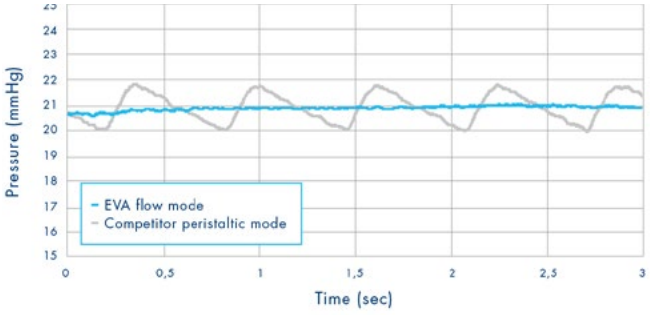
3 times faster rise time than traditional Venturi



Flow mode

- Provides control for precise removal of tissue
- Ideal fluidics for:
  - shaving vitreous base
  - trimming membranes for retinal tears
  - working close to mobile retina

Reduction in the pulsatile characteristics of Peristaltic (pressure pulsation with 23G cutter)



Derek Kunimoto, MD, USA

"For mobile retina the safety of EVA is remarkable. The flow mode, unique to EVA, provides exquisite control. In core vitrectomy it is important to have a good level of flow, and with EVA, the balance between flow rates and aspiration is ideal in all gauges. "

Colin McCannel, MD, USA

"EVA's pump technology is unique in that we can toggle back and forth between the Vacuum mode and the Flow mode. The Flow mode allows us to shave vitreous in the periphery with much more precision. I find the Flow technology extremely beneficial when I perform retinectomies."

TWO DIMENSIONAL CUTTING (TDC) UP TO 16,000 CPM*

Combining TDC with up to 16,000 CPM* and VacuFlow VTi fluidics defines a new standard for surgeon control

* The TDC cutter has a cut speed of up to 8,000 CPM and is designed to facilitate cutting tissue on the return of each stroke of the vitrectome, effectively doubling the cut speed.

Mitul Mehta, MD USA

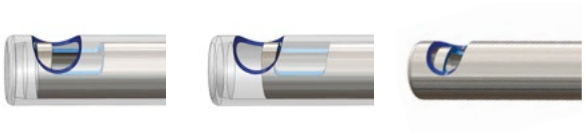
"TDC cutter is very efficient. You can cut very close to mobile retina; you can do a vitrectomy very close to the retinal edge without the risk of damaging the retina."

Colin McCannel, MD, USA

"TDC cutter is perhaps the biggest advancement in the last decade in vitrectomy technology. Allows for more efficient and rapid vitreous removal."

Efficiency

- TDC cuts in both directions doubling the cutting - further reducing traction
- Port open 92% of the time - for faster tissue removal



TDC Cutter

Continious open aspiration port. Constant aspiration flow, independent of cut rate.

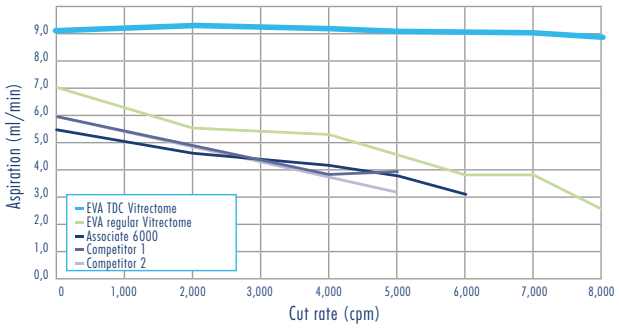
Classic Cutter

Duty cycle controlled aspiration port. Higher speed, lower aspiration flow.

Stability

- TDC with VacuFlow VTi fluidics allows surgeon to control flow of tissue into the port for precise cutting
- Port open design reduces intraocular turbulence caused by traditional cutters allowing better surgeon control

Comparative evaluation of small-gauge vitrectomy cutters measuring flow rates at varying cut speeds



UPGRADED

ENHANCED LED ILLUMINATION

Improved light output for no compromise small gauge surgery

Increased light output for 27G surgery

- Latest 27G light fibers provide 65% increase in output
- Enhanced LED light source delivers further increase of at least 30%
- Achieves optimum illumination for 27G surgery

Constant lumen output

- No degradation of light output over the +10,000 hour life of the LED
- Significant cost savings compared to traditional Xenon bulbs (400 hours).

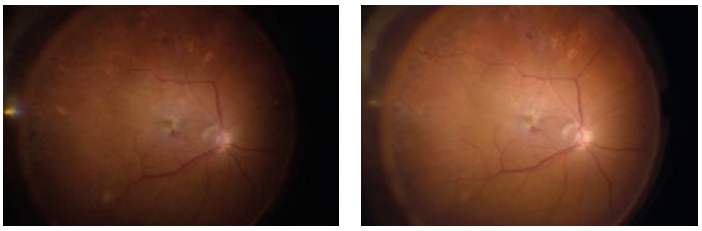
Available color tinting

- Allows for user adjustable tissue contrast for enhanced visualization
- Increased safety profile for extended or highly complicated cases.

UPGRADED

Older LED module + 27G fiber

LED module + enhanced 27G fiber



Images courtesy of Peter Stalmans, MD, Belgium

David Eichenbaum, MD, USA

"The LED illumination system offers improved visualization with 27G instrumentation. The color of the light can be varied from white to yellow or amber."

Gaurav K. Shah, MD, USA

"More light makes it much easier to work on small fibers. It's very noticeable for surgeons and training fellows who serve as assistants. It's a huge improvement in terms of 27G surgery."

REDESIGNED INTEGRATED FOOTSWITCH

Improved efficiency of use and comfort, with integrated laser control

Gaurav K. Shah, MD, USA

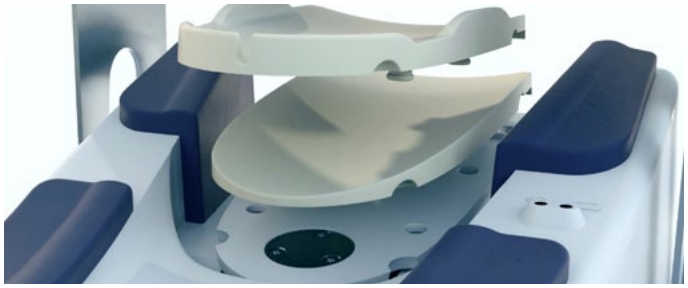
"The new, ergonomically correct foot pedal is very comfortable. It enables me to switch between all of the system's functions, such as moving between vitrectomy settings, turning the laser on and off, increasing the laser's power, using cautery, and changing pressure in the eye."

Derek Kunimoto, MD, USA

"It is the first pedal to offer laser control without the need to break from the procedure to find the secondary pedal or lift a covering to use the laser pedal. For me as a surgeon, it is critical because it avoids the need to break concentration."

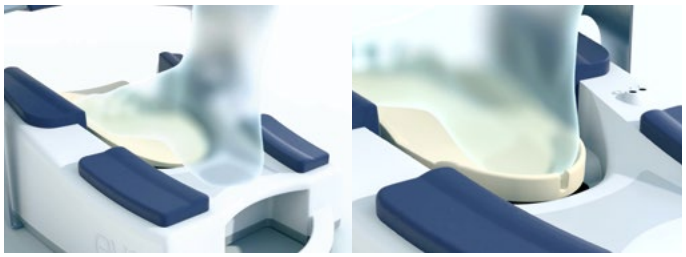
Refined ergonomics

- 6 programmable buttons
- Customizable inlays
- Alternative positions for optimal comfort



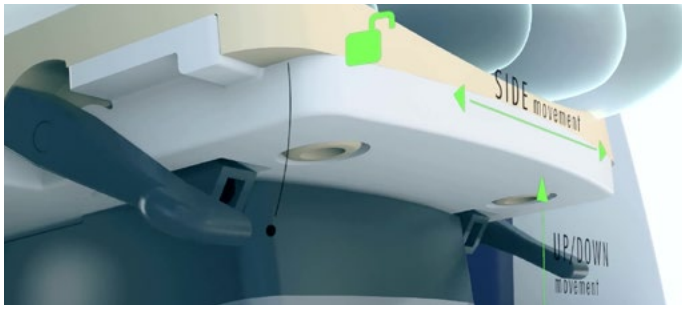
Enhanced surgeon control

- Integrated laser control
- Intuitive switching between laser and vitrectomy modes
- Wireless with longer battery life



Wireless, dual linear functionality

- Independent control of aspiration and cutting
- Independent control of aspiration and phaco
- Single linear lock



EVA FOR ANTERIOR SURGERY

Dual-mode: Vacuum and Flow fluidics designed for optimal phaco performance

Optimal phaco

- Needle detection & auto tuning
- Fluidics include aspiration threshold function enabling precise targeting of nucleus segments during phaco
- Wide range of phaco modes including multiburst, softsonic and pulse mode with up to 250 pps
- One handpiece for both phacoemulsification and fragmentation

SURE TOUCH PHACO HANDPIECE

- Compact, lightweight phaco handpiece designed to be more comfortable to hold and for easier manipulation during surgery
- Ridged, ergonomic design for a secure grip during surgery

A FULL RANGE OF HIGH PERFORMANCE EVA EQUIPHACO™ TIPS

- Anterior chamber stability
- Improved ultrasound efficiency and effective phaco time
- Easier sleeve positioning

DORC
EVA EquiPhaco™

DUTCH
OPHTHALMIC USA

For additional information please contact:

Dutch Ophthalmic USA
Phone: +1 800 75 DUTCH
or +1 603 778 69 29
E-mail: sales@dutchophthalmicusa.com

0057-A 10-2020 US