

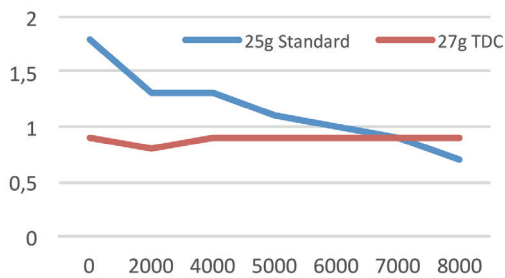


27G Instruments

No compromise small gauge surgery

NO COMPROMISE EFFICIENCY IN 27G

27G TDC flow efficiency vs standard 25G *



TDC: Two Dimensional Cutter

(ref. 8268.VIT27)

- High efficiency 27G TDC vitrectome performs at aspiration flow rates similar to traditional 25G *
- Versatile 27G vitrectome enables removal of floaters, PVR and lens material
- TDC design provides effective 92% duty cycle maximising cutting efficiency and reducing vitrectomy time vs traditional 27G cutters



“The TDC cutter changed the way we approach vitreous removal, fluidics and cutting parameters - the “two dimensions” of Vitrectomy evolution are: Flow Efficiency and Safety.”

Professor Fanis Pavlidis, TDC cutter developer (DORC/Pavlidis)
Augenentrum Cologne, Germany



*Pavlidis, M. (2016). Two-Dimensional Cutting (TDC) Vitrectome: In vitro flow assessment and prospective clinical study evaluating core vitrectomy efficiency versus standard vitrectome. J. Ophthalmol.

NO COMPROMISE PERFORMANCE IN 27G

Wide Grip Forceps

(ref. 1286.WRD04)



- Designed for one touch membrane peeling
- 260% improvement in gripping area vs previous 27G design
- 40% enhanced rigidity enabling membrane removal in the periphery

Ultra Peel Forceps

(ref. 2286.CD304)



- Ideal for removal of fibrotic, adherent membranes
- Over 90% equivalent grasping area vs 23G forceps
- Blunt, rounded tip design and optimal shaft stiffness provides precise control



“The DORC 27G wide grip forceps are fantastic. They provide a firm grasp on membranes with minimal shredding. Also, their rigidity is comparable to 25G forceps. I highly recommend them.”

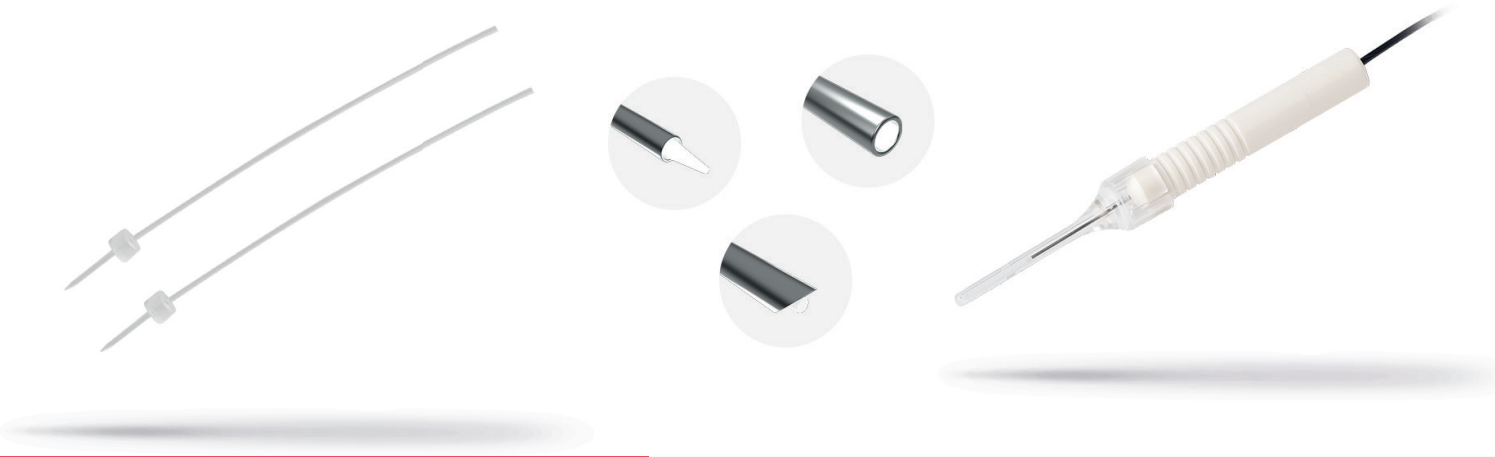
Christopher L. Haupert, M.D. Iowa Retina Consultants, USA



“It has been designed to ensure a tangential contact with the membrane, easy to rip and gentle to peel.”

Developed in collaboration with Kazuhito Yoneda, MD, PhD, Japan

NO COMPROMISE ILLUMINATION IN 27G



"Disposable Eckardt TwinLight Chandelier 27G (Ref. 3269.MBD27) is a very good light fiber that doesn't need specific trocars and can be inserted through the conjunctiva using a guidance needle."

Umberto Lorenzi MD, Head of Medical and Surgical Retina, Hospital Center University Charles-Nicollès Rouen, France

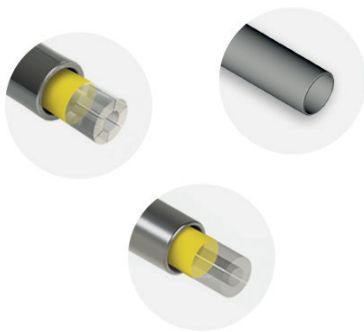
Enhanced Illumination

(ref. 3269.SBS04, 3269.D04, 3269.B04)

- Light output increased by 65% compared to current 27G fibers
- Trans-scleral illuminated depressor
- Shielded, focal and total view
- Improved control and visualisation
- Increased rigidity



NO COMPROMISE INSTRUMENTATION DESIGN IN 27G



New Backflush

(ref. 2281.AD04, 2281.BTD04, 2281.STD04)

- slimline design for easier movement and control
- Less force required to activate reservoir
- Larger reservoir



"Good feeling of the handpiece in the hand. Sufficient size of reservoir. The backflush does not come into conflict with the Viewing system."

Ulrich Spandau, Associate Professor, Head of vitreoretinal surgery Department of Ophthalmology at University of Uppsala, Sweden



Disposable One step cannula system

(ref. 1272.ED204)

Revolutionary MVR blade - requires more than 50% less insertion pressure.

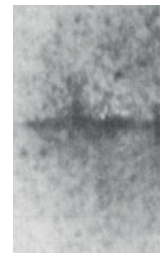
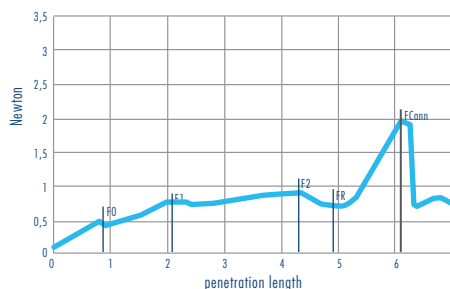
Unique translucent closure valve provides enhanced visibility when entering instruments.



"Requires low insertion force. There is no leakage. It is one of the best trocar systems at the moment."

Dr Adriana Bratu, Vitreoretinal surgeon at "Santa Maria Delle Croci" Hospital, Ravenna, Italy

Recorded with Spear Pointed Needles



1120.04

Endo-diathermy handle, straight pointed tip.
(27 gauge / 0.4 mm - Box/1)



1292.E04

Eckardt Membrane Pic, angled at 120°.
(27 gauge / 0.4 mm - Box/1)



1272.VFI04

Disposable VFI cannula, with 6mm thin wall polyimide tip. (27 gauge / 0.4 mm - Box/6)



Phaco-Vitrectomy system that maximizes surgeon control

- Revolutionary fluidics: Vacuum and Flow modes
- Two Dimensional Cutting (TDC) up to 16,000 cpm*
- Extensive range of 27 Gauge instruments with rigid shaft
- LED illumination with constant Lumen output

* The TDC cutter has a cut speed of up to 8000 cpm and is designed to facilitate cutting tissue on the return of each stroke of the vitrectome, effectively doubling the cut speed.



"Vacuum Mode can be useful during core vitrectomy for high speed vitreous removal, while Flow Mode provides greater safety when working close to a detached retina."

Professor Peter Stalmans, UZ Leuven, Belgium

For additional information please contact:

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