



**Instruments
of Change**

For retina surgeons on the forefront of innovation, Vortex is a vitreoretinal surgical solutions company that discovers, develops, and manufactures first of its kind transformational surgical instrumentation. Vortex is relentlessly committed to being your trusted partner in the operating room.



Products that make a difference.

We are a vitreoretinal surgical solutions company relentlessly committed to being your trusted partner in the OR. Our team of experts work with surgeons to discover, develop, and manufacture first of its kind transformational surgical instrumentation.

Innovation that creates exceptional choices.

And just like retinal surgeons, we are on the forefront of innovation, creating exceptional choices that go beyond the standard. Within 6 years, we have created and brought to market 8 successful, clinically significant products including E.D.D., Beacon Oncology System, T.I.D., T.I.D. Pharos and the NANO SubRet Gateway Device.

Remarkable service.

Our team is there when you need them: online, on the phone, and onsite especially on surgery day. The expertise they bring to retina surgical instrumentation—along with Vortex innovative instruments—will transform your surgical experience.

A legacy of experience

2016
Vortex established.



2017
Soft Tip Cannulas
No cutting required for easy passage through valves.



2018
Versatile Soft Tip Cannulas
11.5mm extendable tubing.



2019
MAXReach Laser Probes Laser probes for every surgical need. MAXReach model provides greater access.



2019
Todorich Illuminated Depressor - T.I.D.
Transillumination provides surgeon unassisted scleral depression.



2020
Myopic ACTU8 Forceps
Added 5mm of shaft length.



2021
Curved Subretinal Drainage Device E.D.D. Eliminating the need for cutdown while buckling.



2022
BEACON Illumination System Stand alone light system for ocular oncology.



2017
ILM Elevators
Soft silicone instrument with less shredding of diamond dust.



2017
ACTU8 Disposable Instrumentation Line
Highly responsive low profile 360° handle.



2018
I² Kits
Convenient, fully customizable intravitreal injection kits.



2018
Convenience Kits
All surgical tools in one kit.



2019
27ga Product Line

2019
NANO SubRet Gateway Device
Precision injection of medications, gene therapy, and stem cells without vitrectomy.



2019
External Drainage & Depression Device - E.D.D. Device for subretinal drainage without the need for vitrectomy



2020
Curved NANO SubRet Gateway Device Greater access for precision injections without vitrectomy.



2021
T.I.D. Pharos
Brighter transillumination and greater access. Side-Fire Illumination allows better view, less glare.



2021
30ga P.C. Maintainer
Supplementary infusion line with 30ga suture free needle insertion.



2022
Illuminated Laser Probes Bright, crisp illumination with laser probe technology.



ACTU8 Forceps

ACTU8 forceps provide the control you expect and the consistent performance your surgeons demand. 8 individual levers provide precision control, along with a highly responsive and low profile handle design.

- Glare-Free shaft
- 360 degrees of actuation
- Highly responsive handle mechanism
- Lower gram force required to close forceps
- Reduced forceps tip retraction
- Textured platforms for increased holding strength
- Precise performance. "Tips meet perfectly"
- Back end of forceps is removable for use in tight spaces



Adaptive

- Large textured platforms for multiple pathologies
- Precise corners allow for removal of ILM and ERM



ILM Tip

- Enhanced visibility design paired with small, rounded platforms
- Ideal for ILM or other fine membrane grasping



End-Grip

- Tapered, fine tip enhances visualization
- Multi-purpose design with ideal grasping force



Pro-Grip

- Perfect for PVR, lens complications and haptic repositioning
- Large tip platform provides stability while grasping



Tewari T2

- Unique tip design allows for easy purchase of the ILM
- Improved visualization



Asymmetrical

- Angled tip design conforms to the curvature of the retina
- Improved visualization



Myopic

- Extended shaft length forceps to accommodate myopic patients (shaft length is 35mm)
- Currently available in ILM Tewari and End-Grip configurations



Dropped IOL

- 25ga Dropped IOL Retriever
- 27ga DENROD Suture Manipulator

Laser Probes

Vortex Laser Probes offer several significant improvements in comparison to the commoditized laser probe offerings on the market currently.

- High quality laser fiber design to maximize laser throughput and delivery
- Fiber polishing process that provides a tight, uniform spot for consistent burns
- Lightweight, hassle-free fiber jacketing combined with an easy to open packaging configuration
- 8-foot fiber length to accommodate every sized operating room
- Pencil size handle for improved control
- Multiple laser probe configurations to accommodate any size facility



MAXReach
Laser Probe

- Smooth slide button extension design allowing the surgeon to curve the probe inside the eye
- Maximized curve angle (up to 105 degrees) gives the surgeon greater access to the periphery
- Uniform spot size in straight and curve positions
- Direct connect to Alcon, Iridex and all other major laser providers on the market (SMA 905 connector for Constellation, Iridex, Ellex, Stellaris, some DORC EVA machines)
- 27ga probe available



Curved
Laser Probe

- Single tube design curved at 34 degrees for easier access to the peripheral retina
- Uniform spot size and consistent uptake
- 27ga probe available



Flex-Tip
Laser Probe

- Custom curved Nitinol allows for flexible curved fiber for easy insertion through the cannula
- Curve angle (42 degrees) is maximized for greater surgeon access in the globe
- Smooth transition at the needle and fiber
- Uniform spot size and consistent uptake



Straight
Laser Probe

- Direct access to the posterior pole
- Uniform spot size and consistent uptake



Illuminated
Laser Probe

- All of the benefits of non-illuminated laser probes
- Crisp, bright illumination pattern
- Compatible with Alcon, Bausch and Lomb and DORC vitrectomy systems

Cannulas

Cannulas for many procedural needs of irrigation, drainage, and delivery. Our soft tip cannulas require no cutting for easy passage. The blunt, highly radiused distal tip allows for atraumatic contact with the retinal surface.

EZ Pass Soft Tip Cannulas fit any procedure. Custom tubing for high flow performance. Easy passage through all cannula systems, without cutting the tip.



EZ Pass Soft Tip Cannulas

- 30% increase in flow over competitive cannulas
- 1mm soft material extension
- Rigid enough to pass through valved cannulas without cutdown
- Available in 23, 25 and 27ga



Blunt Cannula

- Highly radiused distal tip makes safe for retinal surface
- 100+% increase in flow over soft tip cannulas
- Radiused tip to allow for atraumatic contact with the retinal surface
- Available in 23, 25 and 27ga



Side Port Cannula

- Side port location to allow for effective delivery of staining agents
- Cost effective cannula with multiple surgical indications
- 27ga injection cannula



Dual Port Cannula

- Dual side port locations to allow for effective delivery of staining agents
- Cost effective cannula with multiple surgical indications
- 27ga injection cannula



Subretinal Injection Cannula

- 41ga x 88mm polyimide tubing at tip
- Rigid polyimide allows for easy penetration through pathology
- Perfect for TPA injections
- Available in 25ga



Versatile Soft Tip

- .45 inch/11.5 mm extendable silicone tubing allowing for injection or drainage on the retinal surface
- Extendable tubing allows for easier drainage through a retinotomy
- Easy to use slide button retracts tip for insertion through valved cannulas
- Comparable competitive products – B+L – 30.10.23, MedOne – 329X
- 23ga and 25ga Versatile Soft Tips



Injection & Drainage

Vortex has a wide range of unique injection and drainage devices to fit any surgeon's preference and every patient's needs.



NANO SubRet Gateway Device

- Optimized for use without vitrectomy
- Transcleral/transvitreal passage
- Precise subretinal delivery of medications, gene therapy and stem cells
- Ideal for tumor biopsies
- 28ga self-penetrating outer needle with 41ga beveled injection needle



25ga Viscodissector I.D.D.

- Beveled end for easy penetration of pathology
- Ideal for delivery of viscoelastics
- Micro-dose tubing set included to minimize injection waste.
- Available in 25ga



30ga PC Maintainer

- Supplementary infusion line for reops, teaching facilities
- Provides infusion while suturing infusion line sclerotomy
- 30ga insertion needle



External Drainage and Depression Device E.D.D.

- Eliminates the need for a cut down while buckling
- Precise localization of drainage point
- Fixed drainage needle length for improved control
- Straight and curved configurations available
- 28ga drainage needle x 2.4mm long



Backflush and Retractable Backflush

- 1mm soft tip extension
- 45% increase in reflux volume
- Passive and Active Aspiration capabilities
- Available in 23, 25 and 27ga



Backflush

- 30% increase in flow over competitive backflush devices
- Rigid enough to pass through valve cannulas without a cutdown

Retractable Backflush

- Retractable features allows easy passage through valve cannulas

Illumination

Vortex unique transilluminators help surgeons with a better view of surgery in a different light.

Todorich Illuminated Depressors (T.I.D.)



**T.I.D. Pharos
Illuminated
Depressor**

- The ONLY one-piece, complete illuminated depressor connects directly with vitrectomy machine
- “Side Fire Illumination” provides a better view, less glare and improved surgeon ergonomics
- Designed to perform unassisted scleral depression while shaving the vitreous base
- Additional features: identify lens fragments, radiation seed placements and outer periphery breaks/tears



**T.I.D.
Illuminated
Depressors**

- Illuminated depressor cap-over fits over vitrectomy machine endoilluminator
- Perform unassisted scleral depression while shaving the vitreous base
- Compatible with Alcon, Bausch & Lomb and DORC EVA

Ocular Oncology



**BEACON LED
Light Source**

- 50 watt LED light source
- Customized illumination pathway to maximize output and usable light
- Low profile and portable unit for use in the clinic or operating room



**BEACON
Transilluminator**

- Conventional ball-point depressor tip with “Side Fire Illumination” for a better view, less glare and improved surgeon ergonomics
- Designed for simultaneously unassisted scleral depression while performing oncology evaluations



**BEACON
Pupillary
Illuminator**

- Provides illumination through the pupil for superior identification and marking of choroidal tumors
- Helps identify Vortex veins and other structures during buckling

ILM Elevators



**ILM Elevator
and Retractable
ILM Elevator**

- Soft silicone tip that is safe for the retinal surface
- Diamond dusted tip helps elevate membrane edge
- Available in retractable and non-retractable versions
- Available in 23ga and 25ga

I² Kits



Basic

- Adult blade speculum
- Scleral marker



Standard

- Adult blade speculum
- Scleral marker
- 1cc syringe (2)
- 18ga x 1” hypo needle (2)
- 27ga x 1/2” hypo needle
- 30ga x 1/2” hypo needle
- Cotton tip applicator (4)
- Exam gloves
- Soaking tray
- Small mayo tray cover

**Standard +
Drape**

- Adult blade speculum
- Scleral marker
- 1cc syringe (2)
- 18ga x 1” hypo needle (2)
- 27ga x 1/2” hypo needle
- 30ga x 1/2” hypo needle
- Cotton tip applicator (4)
- Exam gloves
- Soaking tray
- Small mayo tray cover
- Fenestrated eye drape

Convenience Kits



Custom Kits

- Design your own
- Streamline ordering process
- Facilitates case setup
- Minimizes packaging waste

Product Ordering



ACTU8 Forceps



Pro-Grip	23ga	VS0713.23
	25ga	VS0713.25
	27ga	VS0713.27



Adaptive	23ga	VS0740.23
	25ga	VS0740.25
	27ga	VS0740.27



Tewari T2	23ga	VS0742.23
	25ga	VS0742.25



End-Grip	23ga	VS0743.23
	25ga	VS0743.25



ILM	23ga	VS0744.23
	25ga	VS0744.25
	27ga	VS0744.27



Asymmetrical	23ga	VS0745.23
	25ga	VS0745.25

Myopic ACTU8 Forceps



Adaptive	23ga	VS0740.23-35
	25ga	VS0740.25-35
	27ga	VS0740.27-35



Tewari T2	23ga	VS0742.23-35
	25ga	VS0742.25-35



End-Grip	23ga	VS0743.23-35
	25ga	VS0743.25-35



ILM	23ga	VS0744.23-35
	25ga	VS0744.25-35
	27ga	VS0744.27-35



Dropped IOL Retriever	25ga	VS0790.25
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DENROD Suture Manipulator	27ga	VS0795.27C
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Laser Probes



MAXReach Laser Probe	23ga	VS0140.23
	25ga	VS0140.25
	27ga	VS0140.27



Straight Laser Probe	23ga	VS0110.23
	25ga	VS0110.25
	27ga	VS0110.27



Curved Laser Probe	23ga	VS0120.23
	25ga	VS0120.25
	27ga	VS0120.27



Curved Illuminated	23ga	VS0125.23
	25ga	VS0125.25



Flex-Tip Laser Probe	23ga	VS0130.23
	25ga	VS0130.25

Cannulas



Soft Tip Cannula Imm	23ga	VS0200.23
	25ga	VS0200.25
	27ga	VS0200.27

Soft Tip Cannula 0.5mm

	23ga	VS0205.23
	25ga	VS0205.25
	27ga	VS0205.27



Blunt Cannula	23ga	VS0201.23
	25ga	VS0201.25
	27ga	VS0201.27



Single Port Cannula	27ga	VS0202.27
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Dual Port Cannula	27ga	VS0203.27
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Subretinal Injection Cannula	25ga	VS0220.25
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Versatile Soft Tip Cannula	23ga	VS0280.23
	25ga	VS0280.25

Injection & Drainage



NANO SubRet Straight	28ga	VS0225
NANO SubRet Curved		VS0225C



Viscodissector I.D.D.	25ga	VS0250.25
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30ga PC Maintainer	30ga	VS0240.30
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Backflush	23ga	VS0270.23
	25ga	VS0270.25
	27ga	VS0270.27

Retractable Backflush

	23ga	VS0275.23
	25ga	VS0275.25
	27ga	VS0275.27



Straight External Drainage Device E.D.D.	VS0290
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Curved External Drainage Device E.D.D.	VS0290C
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I² Kits



I2 Basic Kit	VS0500
I2 Standard Kit	VS0510
I2 Standard + Kit	VS0520

Illumination



TID Pharos	Alcon	VS0801A
	B&L	VS0801B
	DORC	VS0801C



TID Illuminated Depressor	VS0800
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BEACON Light Source	VS0900
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BEACON Transilluminator	VS0802
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BEACON Pupillary Illuminator	VS0803
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ILM Elevators



ILM Elevator	23ga	VS0300.23
	25ga	VS0300.25



Retractable ILM Elevator	23ga	VS0350.23
	25ga	VS0350.25



Corza Ophthalmology is the business unit within Corza Medical that is dedicated to vision care globally with decades of experience delivering innovative products to the ophthalmic surgical community. With a broad portfolio includes biologics, diagnostic lenses, punctum plugs, knives, instruments, devices, and suture, our promise is to always prioritize you, so that you can prioritize patients. Together, we can create the best patient experience.

Remarkable Service

A seamless, personal experience designed around customers.

Trusted Performance

Our products are the result of years of experience championing surgeons and listening to their expertise.

Outstanding Value

No matter the specialty, we deliver quality products for all markets.

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