IRIDEX

IRIDEX® Vitreoretinal Instrumentation & Consumables

Vitreoretinal Instrumentation

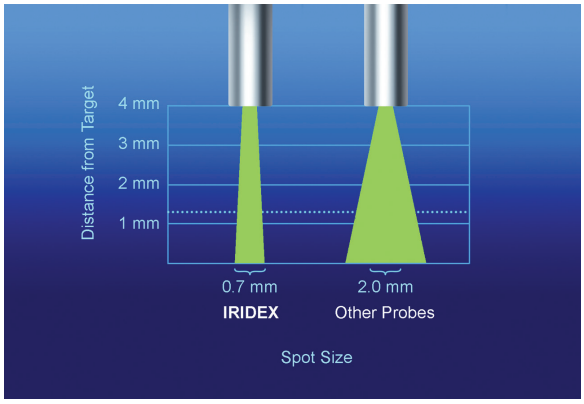
Precision and quality you can depend on, choose an IRIDEX EndoProbe®

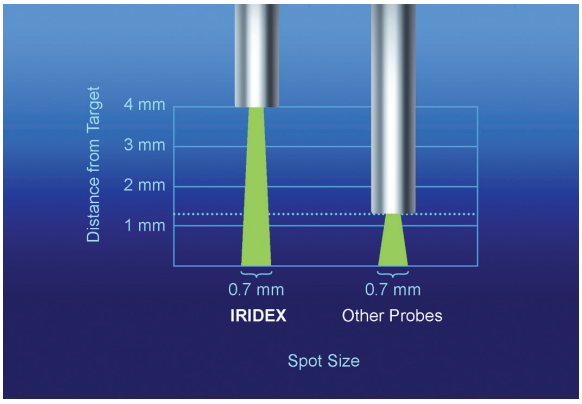
EndoProbe Handpieces - Precisely on Target

EndoProbe instrumentation targets the retina to deliver precise energy exactly where you need it. With a wide array of models, there is an EndoProbe for every vitreoretinal laser case.

Maximize Laser Energy

A tighter cone angle permits treatment at an increased distance from the retina and helps to preserve laser power density, creating a safer procedure.[1]





"My endophotocoagulation probe of choice is the Stepped Angled EndoProbe, which I have found to be particularly efficient and safe. The narrow beam provides an appreciable improvement in laser spot consistency and allows the probe to be held further from the retina while maintaining excellent laser uptake. The laser handle is well designed and curvature of the probe is ideal for phakic patients."

Pouya N. Dayani, MD

Retina-Vitreous Associates Medical Group, Los Angeles, CA

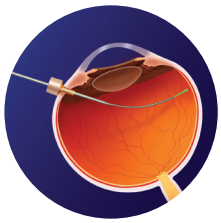
"Using the A&I XR Probe, I was able to reach the full periphery of the eye. Its narrow cone angle allowed me to treat with lower power and further from the retina than other laser probes. This results in enhanced physician visualization and improves patient safety."

Sam Mansour, MSc, MD, FRCSC, FACS

Virginia Retina Center & George Washington University

Stepped Angled

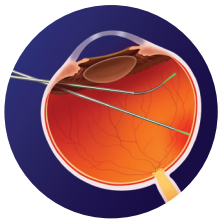
- Smooth and gently tapered needle permits insertion of angled tip through standard and valved cannulas
- Patented design provides full coverage of peripheral retina without removing probe from eye
- Offers rigid, fixed 45° angle for a sturdy alternative to flex-tip probes



Description (Box/6)	20 gauge	23 gauge	25 gauge
Angled 45˚	14030	14400	14120

Adjustable & Intuitive (Finger or Thumb)

- Patented design allows continuous adjustment of fiber optic over a wide range of angles
- Provides full coverage of peripheral retina without removing probe from eye
- Extends in logical motion, forming a greater angular deflection as slider is advanced



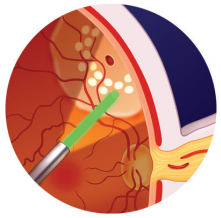
A&I Standard

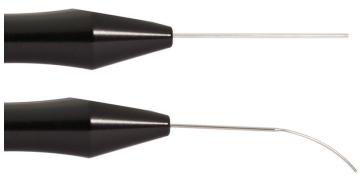
A&I XR (Extended Reach)

Description (Box/6)	20 gauge	23 gauge	25 gauge
Finger Adjust (0˚ - 45˚)	14572F	14573F	14574F
Thumb Adjust (0˚ - 45˚)	14572T	14573T	14574T
XR Finger Adjust (0˚ - 70˚)	15905F	15906F	15907F
XR Thumb Adjust (0˚ - 70˚)	15905T	15906T	15907T

Illuminating Laser Probes

- Dual function - white-light illumination with laser delivery in one convenient design
- Offers bimanual operation - one hand manages illumination and laser delivery, freeing the other hand to operate additional instruments
- Optimal brightness - combines multiple illumination fibers and one laser fiber





Description (Box/6)	19.5 gauge	20 gauge	23 gauge	25 gauge
Bayonet Angled 30˚		14410		
BriteLight™ Straight	13900		14540	14490
BriteLight Angled 30˚	14020			
BriteLight Angled 45˚	13930			
BriteLight Stepped Angled 20˚				14560
BriteLight Stepped Angled 45˚			14545	

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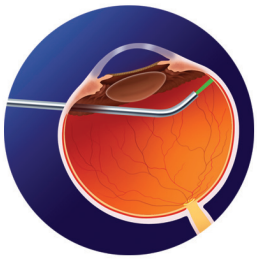
Standard Straight

- Provides direct access to treatment site
- Facilitates easy insertion and extraction at the sclerotomy site
- Increased visibility due to tapered tip

Description (Box/6)	20 gauge	23 gauge	25 gauge
Straight	10562	14390	13920

Standard Angled

- Used for treatment of the peripheral retina
- Provides greater flexibility when using a wide field viewing system
- Includes a tapered tip for easier insertion and visibility of the treatment area



Description (Box/6)	20 gauge
Angled 45˚	10547

Aspirating

Active

- Combines the utility of active aspiration and endophotocoagulation in a single device
- Eliminates the need for extrusion needles and frees hand for illumination
- Includes Luer fitting compatible with standard aspirating equipment

Passive Fluted

- Combines the utility of passive aspiration and endophotocoagulation in a single device
- For subretinal fluid aspiration associated with tears and detachments
- Designed for surgeons who prefer to control the rate of fluid extrusion with their finger

Description (Box/6)	20 gauge
Passive Fluted	11473

RFID EndoProbe Handpieces*

Description (Box/6)		23 gauge
Stepped	Angled 45°	65698

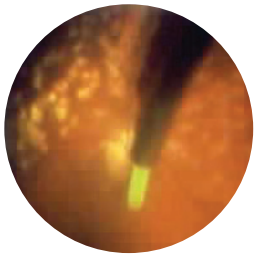
*Compatible with IQ 532™ and IQ 577™ laser systems

Patented GreenTip™ Design

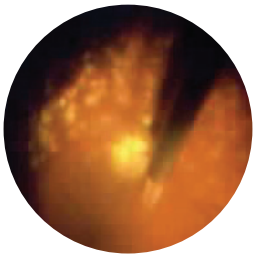
Effectively visualize and assess the proximity of the retina with the patented “fluorescing” GreenTip. Unlike transparent silicone-tipped needles, the GreenTip is designed to provide optimal contrast against the red-orange background of the retina.

GreenTip provides high contrast with the retina for improved visualization

GreenTip



Clear Silicon Tip



Greater intraoperative visibility and safety, compared to clear silicone-tipped needles.

GreenTip Soft Tip Cannula

- Atraumatic silicone tip protects the retina during aspiration and subretinal fluid drainage
- Standard tip design maximizes flow
- Brush tip design protects the tissue by directing partial flow along the side of the tip
- New 0.5 mm standard tip allows for easy insertion and improved fit in valved cannulas

Description (Box/12)	Model Number
23 Gauge - Standard Tip 1.0 mm	100-41
25 Gauge - Standard Tip 1.0 mm	100-42

GreenTip Membrane Scraper

- Optimal flex for ILM purchase
- Compact shelf-friendly packaging

Description (Box/5)	Model Number
23 Gauge	15940
25 Gauge	15950

Vitreoretinal Consumables

Enhancing visualization and surgical performance with every product

MoistAir™ In-Line Air Humidifier

Enhance surgical performance by reducing dehydrating effects of dry air in the posterior chamber with the MoistAir humidifier.[4,5]

Peer reviewed studies show:

- Delay crystalline lens feathering[6]
- May prevent visual field defects after macular hole surgery[7,8]
- Protect the corneal endothelium[9,10]

The MoistAir chamber inserts into any standard tubing set and is self-priming when placed between the stop cock and infusion cannula.

Description (Box/10)	Model Number
MoistAir Humidifying Chamber	200-10

Endoview™ Sapphire Surgical Contact Lenses*

Manufactured from single-crystal sapphire, the Endoview Sapphire lenses offer superior clarity, visualization and durability over standard quartz lenses.

Durability with Superior Performance

- Scratch and chip proof
- High refractive index for wide field viewing
- Increased visualization during fluid-gas exchange
- Reusable
- Wide array of lens models available

1. *Whitacre, M. M., Timberlake, G. T., Stein, R. A., Stanley, A. M., Van Vleck, S. and Dominick, K. E. (1994), Light distribution of ocular endophotocoagulator probes and its surgical implications. *Lasers Surg. Med.*, 15: 62–73. doi: 10.1002/lsm.1900150109.
2. Haller JA, Blair N, de Juan E Jr, De Bustros S, Goldberg MF, Muldoon T, Packo K, Resnick K, Rosen R, Shapiro M, Smiddy W, Walsh J. Transscleral diode laser retinopexy in retinal detachment surgery: Results of a multicenter trial. *Retina* 1998;18(5):399-404.
3. Kapran Z, Uyar OM, Bilgin BA, Kaya V, Cilsim S, Eltutar K. Diode laser transscleral retinopexy in rhegmatogenous retinal detachment surgery. *Eur J Ophthalmol* 2001;11(4):356-60.
4. Harlan JB, Jr., Lee ET, Jensen PS, de Juan E, Jr. Effect of humidity on posterior lens opacification during fluid-air exchange. *Arch Ophthalmol* 1999;117(6):802-4.
5. Welch JC. Dehydration injury as a possible cause of visual field defect after pars plana vitrectomy for macular hole. *Am J Ophthalmol* 1997;124(5):698-9.
6. Ohji M, Nao IN, Saito Y, Hayashi A, Tano Y. Prevention of visual field defect after macular hole surgery by passing air used for fluid-air exchange through water. *Am J Ophthalmol* 1999;127(1):62-6.
7. Cekic O, Ohji M, Zheng Y, Hayashi A, Kusaka S, Tano Y. Experimental study of viscoelastic in the prevention of corneal endothelial desiccation injury from vitreal fluid-air exchange. *Am J Ophthalmol* 2003;135(5):641-7.
8. Cekic O, Ohji M, Hayashi A, Fang XY, Kusaka S, Tano Y. Effects of humidified and dry air on corneal endothelial cells during vitreal fluid-air exchange. *Am J Ophthalmol* 2002;134(1):75-80.
9. Cekic O, Ohji M, Hayashi A, Fang XY, Kusaka S, Tano Y. Humidified air effect on pupil size during fluid-air exchange. *Retina* 2001;21(5):529-31.
10. Eter N, Brinken R, Garbe S, Spitznas M. Intraocular humidity immediately after fluid-air exchange in pars plana vitrectomy. Graefes *Arch Clin Exp Ophthalmol* 2006;244(3):305-8.

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