Product portfolio

GLAUCOMA

RETINAL DISEASE

FLOATERS (VITREOUS OPACITIES)

DIAGNOSTIC ULTRASOUND

Helping the world see clearly
Over 35,000 Ellex ophthalmic laser and ultrasound systems are in use in more than 100 countries around the world, achieving ophthalmic outcomes once never thought possible – safely, effectively, accurately and consistently. Initially with SLT Selective Light Therapy, then through the introduction of iTrack™ – our solution for minimally invasive glaucoma surgery (MIGS) – and more recently with 2RT® Retinal Rejuvenation Therapy, we’re expanding our focus on the development of restorative, rejuvenative treatment options that work holistically with the body’s natural healing ability.

Ellex works with leading physicians, technical institutions and universities to discover, develop and deliver new ways to treat of some of the world’s most prevalent eye conditions.
Tango™ and Tango Reflex™ for Selective Light Therapy

Non-thermal nanosecond Selective Light Therapy (SLT) reduces IOP as effectively as medication\(^1\)

Determine potential point(s) of glaucoma blockage and deliver treatment – consistently and safely

Sharp edged aiming beam, three shots per second firing rate

Tango Reflex™ also offers laser-based floater treatment functionality for maximum versatility

iTrack™ Surgical System for ABiC™ and Canaloplasty

ABiC™ — the optimum in minimally invasive glaucoma surgery

iTrack™ restores the eye’s outflow pathways – naturally, safely, and efficaciously

Addresses all outflow pathway resistance points, including blockages in the collector channel ostia – atraumatically

Efficacious in a wide spectrum of patients, including phakic and pseudophakic patients, and in cases of controlled and uncontrolled glaucoma

Can be performed as a standalone procedure, or as an adjunct to other treatments, including MIGS and SLT

Canaloplasty — the restorative surgery for later stages of glaucoma

iTrack™ achieves same reduction in IOP as trabeculectomy but with better safety\(^3, 4\)

Obviates bleb formation – improving and simplifying postoperative care

Extensive peer review data – safe, efficacious, proven minimally invasive

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Helping physicians to prioritize proactive care
Floater management

**Ultra Q Reflex™ and Tango Reflex™ for Laser Floater Treatment**

Reflex Technology™ at the heart of our floater treatment solutions

True Coaxial Illumination – TCI™
Converges and focuses sight line, target illumination and treatment beam into one optical path

Optimizes visualization and illumination of the vitreous

Effortlessly switch between on-axis and off-axis modes for improved visualization and treatment

Images courtesy of Karl Brasse, MD, MRCOphth
Transform visual functionality, improve patients’ life quality
Retinal disease

Integre Pro™ and Integre Pro Scan™
for photocoagulation

- True Spot™ technology for better visualization and optimal illumination
- Eliminate hotspots, achieve optimal, homogenous lesions
- Real-time, active light feedback continuously monitors and adjusts power output
- Maximize treatment consistency and efficacy across wide range of pathologies
- Enhanced depth perception and wider peripheral view
- High power yellow-red configuration redefines multi-color laser technology

Also available with Integre Pro Scan™ configuration

- Intuitive tablet user interface for easy, accurate and precise pattern spacing, shaping and positioning
- Perform PRP 100% faster than with conventional single-spot photocoagulation*
- Comprehensive pattern and wavelength choice to cover all retina pathologies
- Speed up procedures with computer-controlled pattern generation

2RT®
for Retinal Rejuvenation Therapy

- Proprietary Nanopix Technology™ combines an ultra-short nanosecond laser pulse and a unique pixelated beam profile to target selected individual cells within RPE in order to stimulate the eye’s natural healing mechanism
- Slows degenerative processes that cause retinal disease¹
- Induces mononuclear cell response including microglia stimulation¹
- Uses around 500 times less energy than retinal photocoagulation²

Precision and efficiency for optimized treatment outcomes
Diagnostic ultrasound

Eye One™ and Eye Cubed™
for ultrasound examination, measurement and diagnosis

Comprehensive ultrasound solutions for posterior and anterior segments

Customizable configuration:
- B-Scan, 40 MHz UBM;
- B-Scan, 10 MHz Posterior;
- A-Scan, Biometry;
- A-Scan, Standardized Diagnostic

Advanced movie mode technology

Real-time image capture

Wide range of measurement and annotation tools and reporting capabilities

Intuitive, easy-to-use software

Posterior Vitreous Detachment, PVD
B-Scan 10 MHz

Melanoma
B-Scan 10 MHz

Pediatric Cataract
B-Scan 40 MHz

Hyphema with bowing of iris
B-Scan 40 MHz
Intuitive, high performance solutions
Ellex is the manufacturer of 2RT®. It has been approved for the indications Clinically Significant Macular Edema (CSME) and in patients with early Age-Related Macular Degeneration (AMD) where it can produce bilateral improvements in macular appearance and function under CE marking. Ellex does not accept any responsibility for use of the system outside of these indications. 2RT® has a CE Mark (Conformité Européenne) and US Food and Drug Administration (FDA) 510(k) Market clearance for the treatment of Clinically Significant Macular Edema (CSME).

Integre Pro Scan™ has a CE Mark (Conformité Européenne) and US Food and Drug Administration (FDA) 510(k) Market release for the indications of Retinal Photocoagulation, Laser Trabeculoplasty and Laser Iridotomy.

Integre Pro™ has a CE Mark (Conformité Européenne) and US Food and Drug Administration (FDA) 510(k) Market release for the indications of Retinal Photocoagulation, Laser Trabeculoplasty and Laser Iridotomy.

Ellex is the manufacturer of Reflex Technology for use in the treatment of symptomatic floater patients. It has been approved for the indication of Posterior Membranectomy (incl. Nd:YAG Laser Vitreolysis/Laser Floater Treatment) whereby it may potentially improve the patient’s perception of visual functionality. Ellex does not accept any responsibility for use of the system outside of these indications.

Ultra Q Reflex™ has a CE Mark (Conformité Européenne) and US Food and Drug Administration (FDA) 510(k) Market release for the indications of Posterior Membranectomy (incl. Nd:YAG Laser Vitreolysis/Laser Floater Treatment), Capsulotomy and Laser Iridotomy.

Tango Reflex™ has a CE Mark (Conformité Européenne) and US Food and Drug Administration (FDA) 510(k) Market release for the indications of Selective Laser Trabeculoplasty (Selective Light Therapy, SLT) Capsulotomy and Laser Iridotomy.

Ultra Q™ has a CE Mark (Conformité Européenne) and US Food and Drug Administration (FDA) 510(k) Market release for the indications of Capsulotomy and Laser Iridotomy.

Tango™ has a CE Mark (Conformité Européenne) and US Food and Drug Administration (FDA) 510(k) Market release for the indications of Selective Laser Trabeculoplasty (Selective Light Therapy, SLT) Capsulotomy and Laser Iridotomy.

Ellex is the manufacturer of the iTrack Canaloplasty microcatheter for the reduction of intraocular pressure (IOP) in adult patients with open-angle glaucoma. It has been approved for the indication of fluid infusion and aspiration during surgery, and for cataract extraction and incision of Schlemm’s canal during the Canaloplasty procedure. Ellex does not accept any responsibility for use of the iTrack Canaloplasty microcatheter outside of these indications. iTrack™ has a CE Mark (Conformité Européenne) and US Food and Drug Administration (FDA) 510(k) # K080067 for the treatment of open-angle glaucoma.