Smart SELECTA Duet

Your Smart Selection for Glaucoma Care
Lumenis SLT
The Preferred Choice of the Leading Ophthalmic Institutions in the USA

- Bascom Palmer Eye Institute-Anne Bates Leach Eye Hospital, FL
- Wills Eye Hospital, PA
- Wilmer Eye Institute, Johns Hopkins Hospital, MD
- Massachusetts Eye and Ear Infirmary, Massachusetts General Hospital, MA
- Stein and Doheny Eye Institutes, UCLA Medical Center, CA
- Duke University Hospital, NC
- Cleveland Clinic, OH
- University of Iowa Hospitals and Clinics, IA
- USC Eye Institute-Keck Medical Center of USC, CA
- New York Eye and Ear Infirmary, NY
- W.K. Kellogg Eye Center, University of Michigan, MI
- Cullen Eye Institute-Baylor, Methodist Hospital, TX
- Dean McGee Eye Institute, OU Medical Center, OK
- Emory University Hospital, GA
- Hospitals of the University of Pennsylvania-Penn Presbyterian, PA
- Kresge Eye Institute, MI
- Lenox Hill Hospital-Manhattan Eye, Ear and Throat Institute, NY
- Mayo Clinic, MN
- Medical University of South Carolina, SC
- New York-Presbyterian University Hospital of Columbia and Cornell, NY
- Northwestern Memorial Hospital, IL
- Oregon Health and Science University Hospital, OR
- Stanford Hospital and Clinics, CA
- Tufts Medical Center Boston, MA
- UC San Diego Medical Center, CA
- UCSF Medical Center, CA
- University of Chicago Medical Center, IL
- University of Illinois Hospital, Chicago, IL
- University of Miami Hospital, FL
20 Years of SLT Innovation

Lumenis, the pioneer of SLT technology, celebrates 20 years of SLT innovation by launching the newest anterior segment laser platform design, the smart Selecta Duet.

Smart Selecta Duet combines the advantages of Selective Laser Trabeculoplasty (SLT) with YAG photodisruption capabilities, both developed and brought to market by Lumenis.

The smart Selecta Duet encapsulates Lumenis’ reliable core, with a cutting edge design, improved optics and new touch screen remote.

- Quieter than ever
- Cutting edge design
- Extremely low optical breakdown
- Touch screen with sliding axis that matches your practice’s illumination
- Lumenis SLT inside
- Wheelchair Accessible Table
The Smart Choice for Your Clinic

Effective Treatment
Lumenis SLT is clinically proven as first line therapy for glaucoma. Hundreds of studies have demonstrated the effectiveness of Lumenis SLT for open angle glaucoma, with over 80% success rate for reducing IOP.

Proprietary Advanced Laser Design
The smart Selecta Duet represents the next generation of ophthalmic lasers by capitalizing numerous proprietary features:
- Automatic internal tests to ensure power requirements
- Secondary control unit to guarantee power accuracy
- A unique temperature-controlled KTP crystal for accuracy and stability of the laser beam

Uncompromised Quality & Service
- Lumenis SLT systems are proudly manufactured in the US
- Lumenis delivers rapid service with more than 50 direct field service employees with fast on-site response.

Super Gaussian Beam Profile in YAG Mode
The smart Selecta Duet features a highly accurate Super Gaussian beam profile in order to achieve optical breakdown – or photo disruption – with the lowest possible energy levels.

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The Smart Choice for Your Patient

The smart Selecta Duet offers your patient a safe and effective treatment. Lumenis SLT core technology has 20 years of experience, and is clinically proven for treating open angle glaucoma, with hundreds of studies supporting it. System safety measures and a built-in energy indicator assure accurate energy delivery throughout every treatment. It is also the SLT of choice of the leading ophthalmic institutions in the USA.

Every Clinic Needs Its Lumenis SLT

Technology is moving fast, and so are the efforts to find the gold standard protocol for glaucoma care. There’s one thing that hasn’t changed in the past 20 years – every clinic has many patients who need SLT treatment to assure their ocular health.

“We use SLT as first line therapy in just about every patient that comes in and who’s a good patient, so we offer SLT as primary therapy and I think this is probably the most important role that SLT has played in the management of Glaucoma”
Mark A. Latina, MD  

“Studies show that SLT is an effective primary therapy in appropriate patients, working as well as drops without the compliance issues or side effects such as ocular hyperemia and ocular surface disease”
Nathan M. Radcliffe, MD 6,7

Every clinic needs its SLT, we offer you the smartest. Selecta Duet.

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6 SLT Physician Testimonials Mark A. Latina, MD for the AAO 2013
### Specifications

#### SLT Mode
- **Laser Source**: Q-Switched Frequency Doubled Nd:YAG
- **Wavelength**: 532nm
- **Energy (power)**: 0.3 - 2.0mJ per pulse, continuously variable in 0.1 increments
- **Pulse Duration**: 3ns (nanoseconds)
- **Burst Mode**: Single Pulse
- **Spot Size**: < 3 degrees
- **Cone Angle**: Not Applicable
- **Posterior Offset**: 3Hz (in single burst)
- **Pulse Rate**: Not Applicable
- **Aiming Beam**: Red Diode, continuously variable adjustable intensity
- **Cooling**: Air Cooled
- **Electrical Requirements**: 100 - 240 VAC, 50/60 Hz, 3.15 Amps
- **CDRH Classification**: FDA IIIb

#### YAG Photodisruptor Mode
- **Laser Source**: Q-Switched Nd:YAG
- **Wavelength**: 1064nm
- **Energy (power)**: 0.3mJ - 10mJ per pulse
- **Pulse Duration**: 3ns (nanoseconds)
- **Burst Mode**: 1, 2 or 3 pulses per burst (selectable)
- **Spot Size**: 8 microns
- **Cone Angle**: 16 degrees
- **Posterior Offset**: 0 - 350 microns (continuously variable)
- **Repetition rate**: 3Hz (in single burst)
- **Pulse Rate**: Not Applicable
- **Aiming Beam**: Red Diode, continuously variable adjustable intensity
- **Cooling**: Air Cooled
- **Electrical Requirements**: 100 - 240 VAC, 50/60 Hz, 3.15 Amps
- **CDRH Classification**: FDA IIIb

### Selecta Duet
- **Table height**: Wheelchair accessible, 945 mm max, 695 mm min, travel ~250 mm (37.8 in max, 27.4 in min, travel ~10.4 in)
- **Table width**: Small: 630 mm (24.8 in) Medium: 880 mm (34.5 in), Table depth: Small: 400 mm (15.7 in) Medium: 450 mm (17.8 in), Table wheel base: Small: 520 mm x 440 mm (20.4 in x 17.2 in), Medium: 460 mm x 830 mm (18.1 in x 32.7 in), Total system weight <60 kg

### Risks and warnings:
- **SLT**: contraindicated for eyes with neovascular or angle-closure glaucoma. Risks include iritis, conjunctivitis and IOP rise.
- **YAG**: contraindicated for eyes with corneal pathologies and chronically elevated IOP. Risks include IOP rise, macular edema and retinal detachment. Refer to the operator manual for a complete list of intended use, contraindications and risks.

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Risks and warnings: Smart Selecta Duet is intended solely for use by trained physicians. SLT: contraindicated for eyes with neovascular or angle-closure glaucoma. Risks include iritis, conjunctivitis and IOP rise. YAG: contraindicated for eyes with corneal pathologies and chronically elevated IOP. Risks include IOP rise, macular edema and retinal detachment. Refer to the operator manual for a complete list of intended use, contraindications and risks.

Lumenis® Certified Service | USA Toll-free 1-877-LUMENIS (1-877-586-3647)