

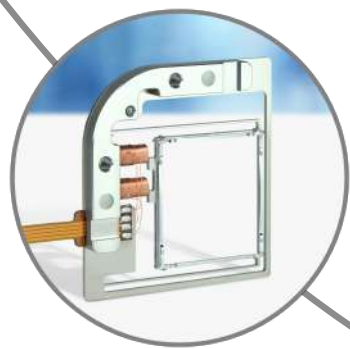


# Medical devices



## Faster, more compact, versatile

Focus tunable lenses, fast-steering mirrors, and laser speckle reducers are ideal for achieving faster and more accurate 3D scanning, lightweight aesthetic lasers, or more reliable detection in fluorescent imaging. Small size, robust, and durable tuning solutions for over a billion cycles. Highly accurate and repeatable.



## Liquid lenses

Compared to motorized lenses or piezos for Z-axis control, liquid lenses offer:

- 100x faster focus
- No mechanical vibrations
- Easy integration & miniaturization
- Compact size
- 3x more affordable
- One-time calibration

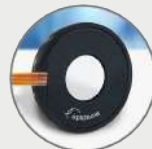
### Medical applications

- Ophthalmology
- Intra-oral scanners
- Spectroscopy
- Dental cameras
- Endoscopy
- Dermatoscopy

### Product range



EL-3-10-TC



EL-12-30-TC



EL-16-40-TC

Focal power range (dpt)	-13 to +13	-6 to +10	-10 to +10
Clear aperture (mm)	3	12	16
Settling time (ms)	4	25	25

## Fast-steering mirrors

Most compact, shock & vibration resistant scanning solution with wide field of view, single optical surface and accurate closed loop control. Integrating our mirror enables versatile:

- Aesthetic lasers
- Biometers
- OCT systems
- Mirror diameter 15 mm
- Mechanical tilt (both axes) 25°
- Full scale bandwidth 20 Hz



MR-15-30

## Laser speckle reducers

Movnig diffusers for effective speckle reduction up to 90% and beam homogenization. Compact design makes them suitable for hand-held devices. Integrating our diffusers enables versatile:

- Fluorescent imaging
- DNA sequencing
- Intra-oral scanning
- Clear aperture 18.5 mm
- Max laser power 600 W
- Lifetime > 40 000 hours



LSR-4C



Let's talk about your application