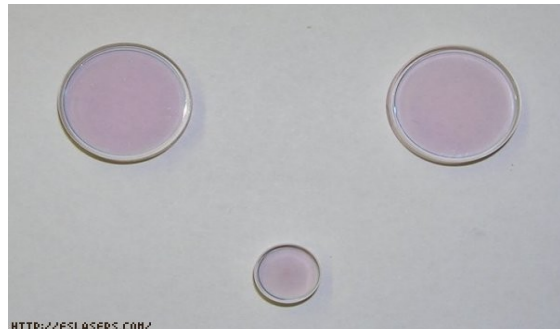
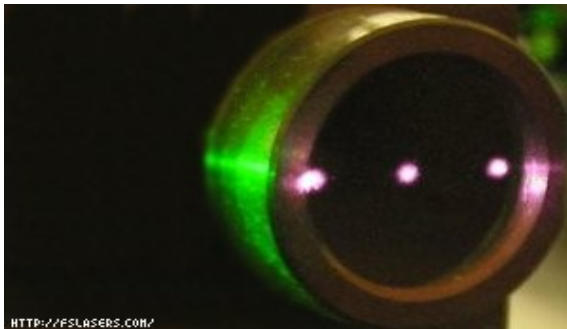




R&D ULTRAFAST LASERS LTD.

Femtosecond Optics

- Chirped mirrors
- Low loss, low dispersion ripple negative dispersion mirrors (MCGTI)
- Ultrabroadband chirped mirrors



In 1995 Dr. Róbert Szipócs - the inventor of **chirped mirrors** - and his colleagues at the Research Institute for Solid State Physics, Budapest, Hungary, and at JATE University, Szeged, Hungary founded the R&D Lézer-Optika Inc., the predecessor of the R&D Ultrafast Lasers Ltd. Their aim was to put their scientific knowledge and experience into practice, and to develop optical thin film components for high performance, compact femtosecond laser sources.

Products:

- **Low-loss, Multicavity Gires-Tournois type dispersive dielectric mirrors** developed for Mirror-Dispersion-Controlled mode-locked Ti:S, Cr:LiSAF, Cr:LiSGaF, Yb:KGW, Yb:glass, etc. lasers
- **Ultra-broadband mirror set** for broadly tunable femtosecond Ti:sapphire lasers (Xwave or Xband optics)
- **Chirped mirrors** for linear group delay vs. frequency control in optical parametric amplifiers (OPA-s) or in white light continuum experiments in the visible and NIR

Services:

- **Custom design of femtosecond laser mirrors** for dispersion control (Ti:S, Cr³⁺, Yb³⁺, etc.), IR OPO, Vis-OPO, OPA, etc.
- **Dispersion measurement** on laser mirrors and other optical components