

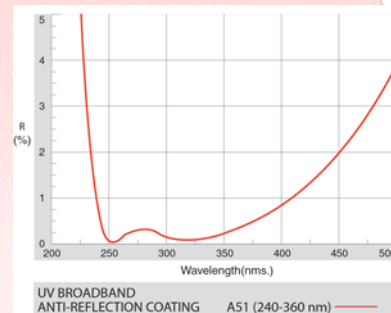


Optik und Optomechanik - Produkte
Produits optiques et mécaniques d'optiques
Optical Components, Opto Mechanics, Manual and Motorized Positioners

Featured Products

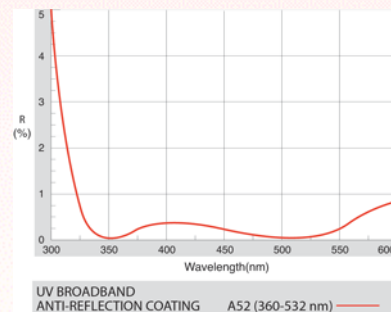
Ultra-Violet Broadband Anti-Reflection Coatings

- Broadband AR for Ultra-Violet
- R<0.5% average from 240 to 360nm
- Apply to catalogue, custom and customer supplied optics
- High quality and repeatable performance
- Contact us for more information on AR coatings



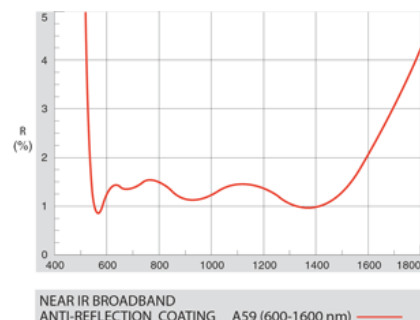
Ultra-Violet Broadband Anti-Reflection Coatings

- Broadband AR for Ultra-Violet
- R<0.6% average from 360 to 532nm
- Apply to catalogue, custom and customer supplied optics
- High quality and repeatable performance
- Contact us for more information on AR coatings



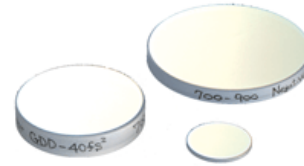
Visible Broadband Anti-Reflection Coatings

- Broadband AR coatings for 600 to 1600nm
- All oxide for increased durability
- Apply to catalogue, custom and customer supplied optics
- High quality and repeatable performance
- Contact us for more information on AR coatings



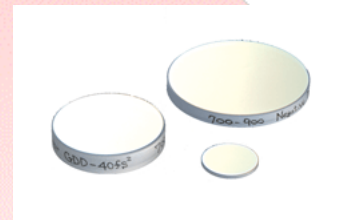
Low Dispersion Mirrors for Femtosecond Laser

- Designed for lasers with femtosecond pulse widths
- Dielectric mirrors minimize wavelength dispersion
- Plasma deposition coated for wider band
- Available in two types, high damage or broad wavelength
- 25.4 and 30.0mm diameters



Negative Dispersion Mirrors for Femtosecond Laser

- Designed for pulse compression in femtosecond lasers
- Provide smaller optical loss than conventional prisms
- Centre wavelength is Ti:Sapphire 800nm
- Plano and concave substrates
- 25.4 and 30.0mm diameter plano mirrors
- Concave mirrors available with 50, 100, 500 and 1000mm radius



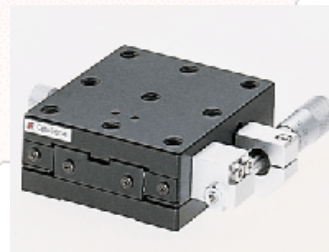
New High Stability Kinematic Mirror Mounts

- Stable, firm, accurate alignment of mirrors
- Precision 100TPI fine adjustment screws
- Sapphire seats
- Available in 12.7 or 50.8mm apertures
- Post and base mountable
- Includes locking adjusters



New 40mm Aluminium Ball Bearing Stage

- Additional 40mm footprint added to offering
- Lightweight
- Micrometer driven
- Lockable
- Precision ball bearings
- Discounts for OEM volumes



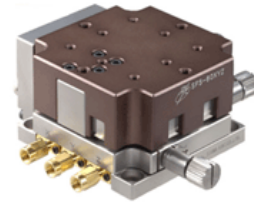
Sub-Micron Micrometer

- Fine adjustment for full 13mm travel
- 0.5 micron resolution
- Direct replacement on 13mm travel manual stages
- Superior alignment capability for fibre applications
- Low cost, high value solution



Piezo Stage Systems

- Precision stages using flexures and piezo actuators
- Available in X, XY, Z, XYZ, Rotations and Goniometer configurations
- 20nm resolution with closed loop controller
- 90 micron travel and 320 micron manual adjustment



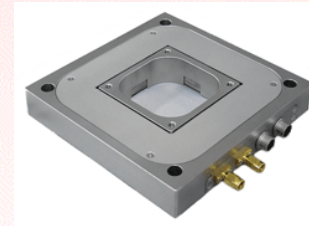
Piezo Actuators for Objective Lenses

- Long travel up to 100 microns
- Theoretical resolution less than 1nm
- RS-232C, GP-IB and USB interface with Fine series controllers
- Software available for easy PC control and data acquisition
- Wide range of applications: scanning interferometer, surface structure analysis, auto focus system, confocal microscopy, biotechnology and semiconductor test equipment.
- Adapters available for Olympus, Nikon and Mitutoyo objectives



XY Piezo Stage Aperture Type

- High precision positioning axis stage with 50mm x 50mm aperture
- Software available for easy PC control and data acquisition
- RS-232C, GP-IB and USB interface
- Wide range of applications: scanning microscopy, metrology, surface structure analysis, semiconductor test equipment, precision mask and wafer alignment, scanning interferometer, imaging, biotechnology systems.



Piezo Fine Controller

- Controller for use with SFS piezo stages
- One, two and three axis controllers available UL and CE versions
- Minimum theoretical resolution less than 1nm open loop and 5nm closed loop
- RS-232C, GP-IB and USB interface



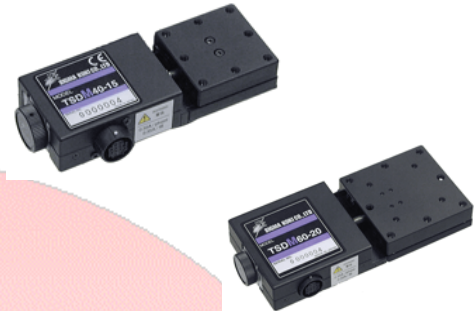
Single Axis Motorized Stage Controller

- Single axis motorized stage controller with fully automated remote control from PC
- Compact and economical controller is ideal for many simple positioning applications
- Toggle switch on front panel provides two directional jog motion
- Two micro-step modes (full step and half step), jog speed and driving current can be selected using PC software



Mini Translation Motorized Stages

- Five-phase stepping motor
- Patented extended contact bearing rail with hardened steel body
- Two-plate low profile design
- High stiffness
- Compatible with our existing five-phase stepping motor stage controllers
- Remote control, manual joy stick control and micro stepping functions available



Motorized Goniometers

- Five-phase stepping motor
- Performance enhanced with superior stiffness
- Durable cross roller design
- 60 X 60mm table size
- Available in one and two axis



Compact Stepping Motor Actuators

- Compact, high precision five-phase stepping motor based actuator
- Direct replacement for manual micrometer, 13 and 25mm travel
- Fits wide range of manual stages and mirror mounts
- High resolution with micro-stepping controller
- RS-232C, GP-IB, USB interface



Software for Motorized Products

- SGEMCS positioning & measurement software
- SGTERM terminal command communication software
- ActiveX positioning & measurement software utilizing Excel macros and Visual Basic
- Software available to control motorized products using SHOT, Fine and PAT controllers



Für weitere Informationen stehen wir gerne zur Verfügung office@ilee.ch
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