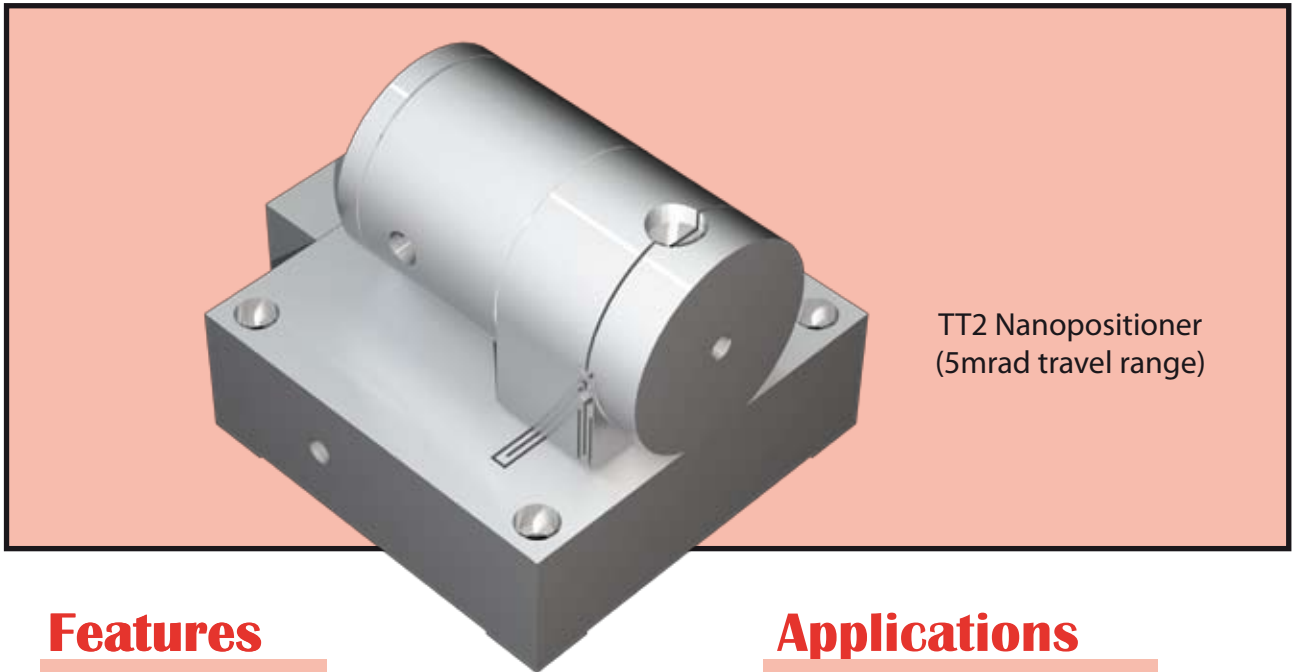


TT2 NANOPositionER

The TT2 is a 2-axis tip-tilt stage with a range of motion of 5 mrad (for each axis). This piezostage is the ideal tool for applications where an optical beam steering is necessary. This makes this high-speed stage a best-seller for application such as : particle tracking, optical tweezer, beam stabilization and scanning microscopy. This nanopositioner is part of our high-speed product line (High power controller available). High speed scan at 500Hz and step response time smaller than 2ms are then possible.



Features

- Ultra high speed
- 1 inch mirror mounting surface
- 5mrad Tip-Tilt motion
- Closed loop control
- Silicon sensor technology
- Less than 1nrad noise floor

Applications

- Beam stabilization
- Particle tracking
- Fast beam steering
- Confocal microscopy
- Optical tweezer
- TERS

Specifications

	TT2.5
Range of angular motion (mrad)	5
Angular resolution (μrad)	0,005
Typical angular noise floor (μrad)	0,0005
Full range repeatability (μrad)	0,01
Linearization (typical)	0,02%
Resonant frequency Tip/Tilt (Hz)	4000/2000
Stiffness (N/ μm)	N/A
Maximum load (kg) - horizontal use	0,2
Maximum load (kg) - vertical use	0,2
Sensor	Silicon HR sensor
Size W x L x H (mm)	51 x 60,5 x 43,2
Material	Al
Cable length (m)	2
Recommended Controller	Standard or High Speed

Drawing

