

STT-2013 - Tip-Tilt-Mirror Mount

In difference to the kinematic mirror mounts, the STT-2013 mirror mount has a gimbal design which allows for a full 360° pitch rotation (tip) and ±90° yaw rotation (tilt). With the use of an adapting mirror mount optical mirrors of 0.5 and 1 inch diameter can be used. It is available as an open-loop or a closed-loop version as well as a specialized version to be used in high and ultra-high vacuum environments.
The STT-2013 is a gimbal type mirror mount that offers a wide agular travel range to position the optical component.

	Mechanical
Dimensions [mm]	35 x 46 x 61
Weight [g]	75
Mirror Diameter [inch]	0.5; 1
Tip Angles [°]	360°
Tilt Angles [°]	± 90
	Open-loop
Angular Velocity [°/s]	45
	Closed-Loop
Sensor Resolution MCS2 [µ°]	25 (S)
	Options
Material Options	Aluminum as standard: Titanium base (-TI) and others on request
Vacuum Options	HV (1E-6 mbar); UHV / (1E-11 mbar)
Non-Magnetic Option	Yes (-NM)

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