

Motion Control

Single Axis Stages

Multi-Axis Stages

Flexure Stage Accessories

Motorized Mirror Mounts

Rotation Stages

Drive Electronics & Auto-Alignment

Actuators & Adjusters

Brief Tutorials

Aspheric Lenses



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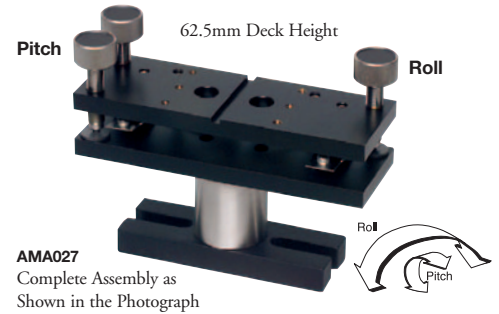
Roll & Pitch Platform With Adjustable Thickness

Specifications

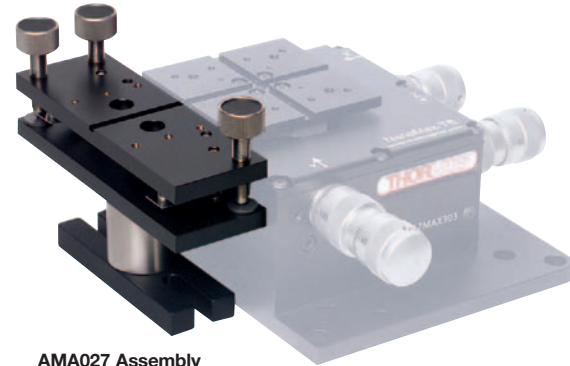
- Travel: +4 and -8 Degrees/Axis
- Resolution: 10arcsec
- Deck Height: 62.5mm (2.46")
- Adjuster Travel: ±4mm
- Platform Thickness: 24mm (0.95") at the Center of Height Adjustment

The AMA027 is intended to allow an angled optical component to be positioned in front of one of our 3-axis flexure stages. This add-on stage provides pitch and roll adjustment using the two labeled thumbscrews indicated in the photograph. Both the roll and pitch adjustment provide -8° and +4° of range; use of all three adjusters allows for the adjustment of the overall height of the platform. The amount of height adjustment ranges from -1mm to +4mm around the nominal 62.5mm height of the entire assembly.

This platform is designed for use with our family of 3-axis flexure stages including the RollerBlock™, the MicroBlock™, and the NanoMax™. This same roll and pitch device is available for use with our 4-, 5-, and 6-axis stages; details for these products are presented in the next catalog section.



AMA027
Complete Assembly as Shown in the Photograph



AMA027 Assembly

The AMA027 comes complete with the tilt platform as well as the support structure that is designed to position the platform at the proper height for use with our multi-axis flexure stages.

ITEM#	METRIC ITEM #	\$	£	€	RMB	DESCRIPTION
AMA027	AMA027/M	\$ 306.00	£ 192.80	€ 284.60	¥ 2,922.30	Roll & Pitch Tilt Platform With Adjustable Thickness

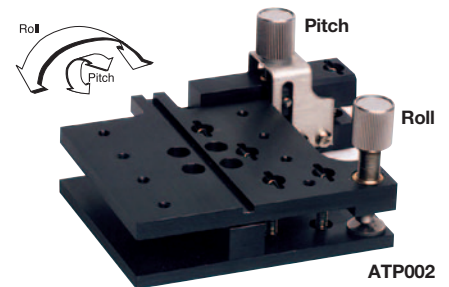
Roll & Pitch Platform

Specifications

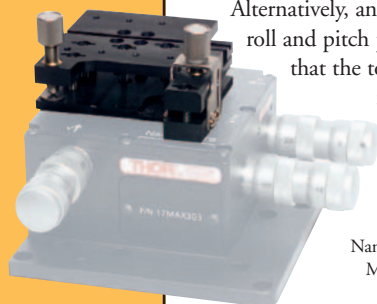
- Roll & Pitch Platform
- Travel: ±4 Degrees/Axis
- Resolution: 10arcsec
- Effective 3-Axis to 5-Axis Stage Upgrade
- Tilt Platform 19mm (0.75") Thick

The ATP002 platform provides ±4 degrees of both roll and pitch adjustment, and was designed for use with our family of 3-axis flexure stages (NanoMax™, RollerBlock™, PiezoBlock™, and MicroBlock™). The optical axis height is then raised by 15mm to 90mm when mounted directly on the stage when replacing the top plate.

Alternatively, an optional (sold separately) base assembly allows this roll and pitch platform to be directly mounted to an optical table such that the top surface is at the proper beam height when placed in front of any of our 3-axis flexure.



ATP002



ATP002

Shown Mounted on a NanoMax™ Stage (Model MAX313), See Page 286



AMA501 Base Assembly

The ATP002 is shown mounted on a AMA501 base assembly; the resulting platform height matches the 62.5mm deck height of our 3-axis flexure Stages.

ITEM#	METRIC ITEM #	\$	£	€	RMB	DESCRIPTION
ATP002	ATP002/M	\$ 494.00	£ 311.20	€ 459.40	¥ 4,717.70	Roll & Pitch Platform with Thumbscrew Drives
AMA501	AMA501/M	\$ 54.40	£ 34.30	€ 50.60	¥ 519.50	Base Assembly for 62.5mm Deck Height