Motion Control

AMA501 Base Assembly

Pitch & Yaw Platforms, 19mm Thick



The ATP001 and ATP003 tilt platforms provide ±4° of both pitch and yaw adjustment. They are designed specifically to offer a low-cost, five-axis solution when used in conjunction with the NanoMaxTM, RollerBlockTM, PiezoBlockTM, or MicroBlock[™] stages. The optical axis height is then raised by 15mm to 90mm when mounted directly on the stage.

Alternatively, the ATP series can be mounted to a base assembly to ensure the proper beam height [62.5mm (2.46") deck height plus 12.5mm (0.49") accessory height for 75mm (2.95") beam height] when placed in front of the stage. Typical applications include angled pigtails and placement of components requiring manual adjustment on the angular axes. All standard nanopositioning accessories (see page 319) may be fitted to the platform by means of the grooved keyway interface.

Pitch	These platforms can be attached to our flexure stages in place of the top plate.
Yaw	77.5mm Deck Height
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ATP001 shown with an optional base (AMA501), which

ITEM#	METRIC ITEM #	\$	£	€	RMB	DESCRIPTION
ATP001	ATP001/M	\$ 204.00	£ 128.50	€ 189,70	¥ 1,948.20	Pitch & Yaw Platform with Thumbscrew Drives
ATP003	ATP003/M	\$ 510.00	£ 321.30	€ 474,30	¥ 4,870.50	Pitch & Yaw Platform with Micrometer Drives
AMA501*	AMA501*	\$ 54.40	£ 34.30	€ 50,60	¥ 519.50	Base Assembly for the Standard 62.5mm Deck Height
AMA036*	AMA036*	\$ 60.00	£ 37.80	€ 55,80	¥ 573.00	Base Assembly for 112.5mm Deck Height

*Universal Design, Imperial and Metric Compatible

15mm Thick Bracket Spacers for Roll, Pitch, & Yaw Platforms

- Increases the Height of the Fixed Brackets of Our Multi-Axis Flexure Stages by 15mm (0.59")
- Easily Attaches to the "L" Bracket via 2 Screws (for the AMA502) or 4 Screws (for the AMA503)



AMA502 shown in a typical application where the fixed bracket height needs to be increased to match a pitch & yaw accessory that has replaced the removable top deck of a NanoMax[™] MAX311 Stage.



When either of the Pitch & Yaw or the Roll & Pitch platforms are mounted in place of the top plate of one of our 3-axis flexure stages, the deck height is increased by the 15mm thickness of the accessory. These spacer plates mount directly to the top surfaces of the large and small fixed angle brackets (as shown in the above photographs) leading to this increase in deck height. The fixed "L" brackets are found on page 319.

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AMA503 shown in a typical application where the fixed bracket height needs to be increased to match a roll & pitch accessory that has replaced the removable top deck of a MicroBlock™ MBT616 Stage.



ITEM#	METRIC ITEM #	\$	£	€	RMB	DESCRIPTION
AMA502	AMA502/M	\$ 44.20	£ 27.80	€ 41,10	¥ 422.10	15mm Thick, Small Angle Braket Spacer Plate
AMA503	AMA503/M	\$ 56.10	£ 35.30	€ 52,20	¥ 535.80	15mm Thick, Large Angle Braket Spacer Plate

Multi-Axis Stages

Flexure Stage Accessories

Rotation Stages

Single Axis Stages

Drive Electronics & Auto-Alignment

Actuators & Adjusters