

Motion Control

Single Axis Stages

Multi-Axis Stages

Flexure Stage Accessories

Motorized Mirror Mounts

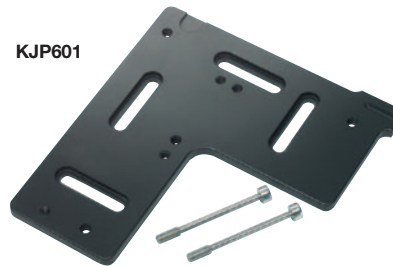
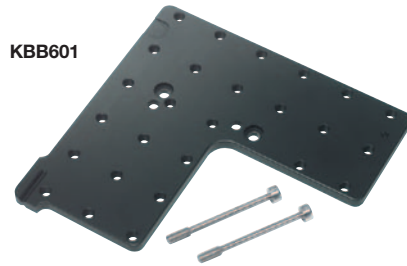
Rotation Stages

Drive Electronics & Auto-Alignment

Actuators & Adjusters

Brief Tutorials

Kinematic Breadboard & Joiner Plates



- KJP601 – Mounts the APT600 Stage in a Horizontal Orientation or Stack Several Stages Together
- KBB601 – Bolt Components Such as Fixtures or Cameras to the Side Faces

The KJP601 joiner plate allows the APT600 stage to be mounted horizontally. It also allows the stages to be bolted together in a close stacked configuration. For horizontal mounting, the correct plate must be used to mate up with the face of the APT600 being fixed to the mounting surface, either left or right-handed. For close stacking, both the right and left-handed plates are required.

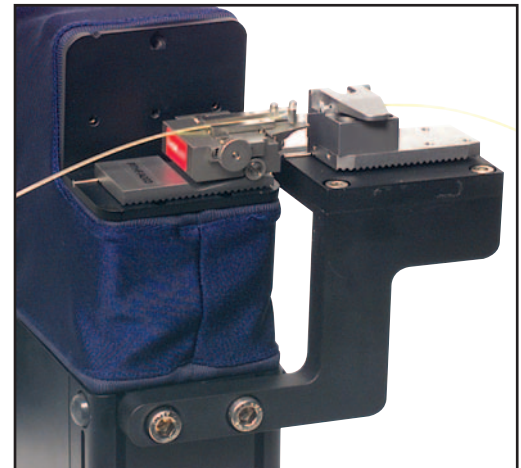
The KBB601 breadboard plates allow accessories such as fixtures, cameras, and probes to be mounted to the side faces of the APT600 stage.

| ITEM# | METRIC ITEM | \$ | £ | € | RMB | DESCRIPTION |
|---------|-------------|-----------|---------|----------|------------|--|
| KJP601 | KJP601/M | \$ 129.03 | £ 81.30 | € 120,00 | ¥ 1,232.20 | apt™ Kinematic Mounting and Joining Plate |
| KJP601L | KJP601L/M | \$ 129.03 | £ 81.30 | € 120,00 | ¥ 1,232.20 | Left-Handed Kinematic Mounting and Joining Plate |
| KBB601 | KBB601/M | \$ 121.30 | £ 76.40 | € 112,80 | ¥ 1,158.40 | apt™ Breadboard Plate |

Fixed Bracket with Kinematic Seat



- Fixed Mounting Bracket for APT600 Series Accessories
- The AMA609 Attaches to the APT600 Stage in Either Right- or Left-Handed Orientation
- Kinematic Base Plate Allows for Fast Exchange of Accessories



The AMA609 fixed angle bracket is designed to accept all of the APT600 series accessories shown in this section. The hardened carbide steel guide pin and ball visible on the top of the platform serve to locate the accessories when they are placed on the surface. A high strength rare earth magnet is used to hold the accessory in place. The repeatability of this kinematic base design is better than $\pm 2\mu\text{m}$, reducing the time required to cycle through a large number of devices in a manufacturing environment.

| ITEM# | \$ | £ | € | RMB | DESCRIPTION |
|--------|-----------|---------|----------|------------|---------------------------------------|
| AMA609 | \$ 145.00 | £ 91.40 | € 134,90 | ¥ 1,384.80 | Fixed Bracket for APT600 Series Stage |

Kinematic Base for APT600 Series Stages



- Kinematic Base Snaps into Place for Fast Exchange of Fixtures
- Mounting Holes Provided to Allow Customer Supplied Devices to be Attached
- Precision Register Points Ensure Load/Unload Repeatability of $\pm 2\mu\text{m}$



This blank kinematic base plate is provided to allow users of the APT600 series stages to build quickly their own device fixtures. The on the right photograph shows a series of precision machined grooves in the bottom of the plate. These grooves form a highly stable kinematic assembly when the plate is dropped into place on the stage. The rod and ball that are visible in the close-up photograph of the stage provide the mating features that create a series of register points for the top plate.

| ITEM# | \$ | £ | € | RMB | DESCRIPTION |
|--------|-----------|---------|---------|----------|---|
| KMT601 | \$ 102.00 | £ 64.30 | € 94,90 | ¥ 974.10 | Kinematic Base for APT600 Series Stages |

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