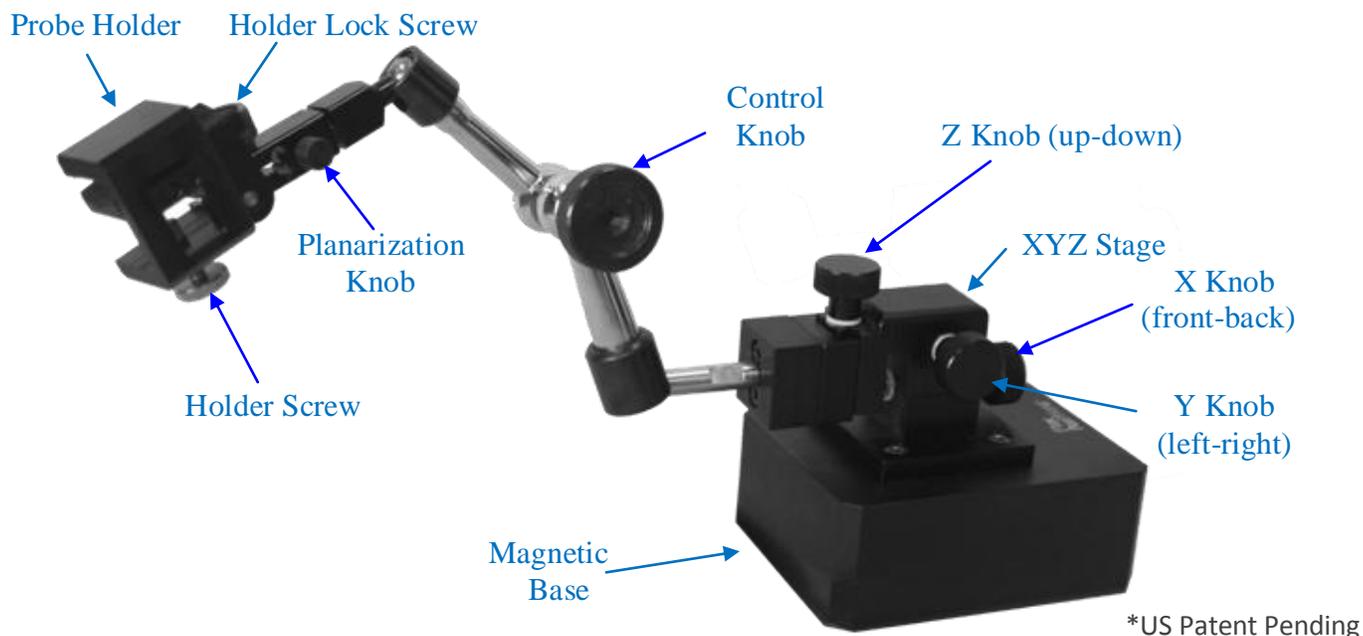


Flex Positioner TP100

The flexible positioner all oscilloscope users can't debug without



A revolutionary probe positioner for quick, steady, and accurate hands-free probing

- Easy-to-manipulate arm controlled by a single thumbscrew
- Independent XYZ stage for fine adjustments of probe position and contact force
- Versatile, sturdy probe holder with planarization control for quick, stable holding of test probes
- Flexible, long arm for vertical probing of a circuit board or backplane in a chassis
- Suitable for lengthy, unmanned testing and detection of hard-to-find glitches



Flex Positioner for wide-range hands-free probing

A helping hand for engineers

Flex Positioner is an innovative probe positioner from PacketMicro for quick and stable hands-free probing. Its unique combination of an articulated arm and an independent precision XYZ stage allow a user to quickly and accurately place the probe on the target. Using the articulated arm for coarse positioning first and then controlling the fine adjustments with the XYZ stage and probe tips planarization knob, one can make good test measurements with reliable probe contact.

Vertical probing of hard-to-reach areas

Flex Positioner's long, articulated arm and rugged structure make it perfect for vertical probing of boards and backplane in a chassis. The arm, comprising 4 links and 3 joints, can be locked down with a single thumbscrew easily. The following figure shows the Flex Positioner is used for the challenging task of probing a vertical backplane in a chassis.



Flex Positioner for the vertical probing of a backplane

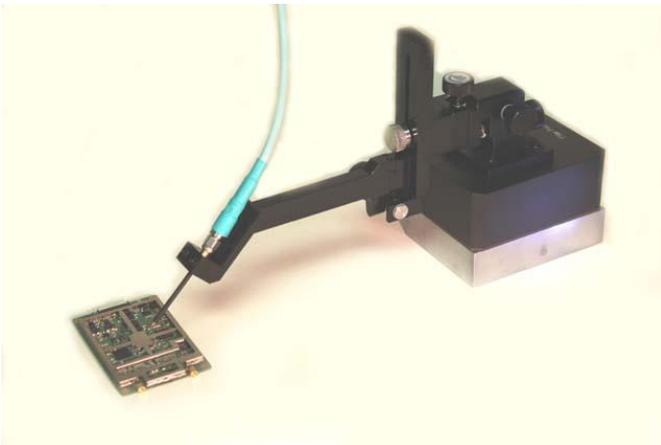
Specifications

Articulated arm: 4 links and 3 joints
controlled by a single thumbscrew
Arm Length: 220 mm/8.7 in
XYZ-axis travel: 12 mm with 250 $\mu\text{m}/\text{turn}$
(100 TPI)
Planarization Θ control: $\pm 7.5^\circ$
Width: 76 mm/3.0 in
Height: 90 mm/3.5 in
Base Length: 101 mm/4.0 in
Weight: 2,828 grams/99.7 oz
(base block: 2,333 grams/82 oz)
Base: Steel with magnets at bottom
Part Number: TP100

Flex Positioner's versatile and sturdy probe holder fits most active probes, passive probes, and differential browsers from equipment manufacturers, such as Agilent, LeCroy, and Tektronix.

Other Probe Positioners from HSDC

- TP60 Easy Positioner for RF and TDR probes
- TP300 Precision Positioner for microwave probes



TP60 Easy Positioner (with 1" Steel Block)

TP60 Specifications

XYZ-axis travel: 12 mm, 250 $\mu\text{m}/\text{turn}$
(100 TPI)
Resolution: 5 μm
Probing angle: 60°
Length: 260 mm/10.2 in
Width: 76 mm/3.0 in
Height: 131 mm/5.2 in
 Θ control: $\pm 10^\circ$
Weight: 2,619 grams/92.4 oz
(base block: 2,333 grams/82 oz)
Base: Steel with magnets at bottom



TP300 Precision Positioner

TP300 Specifications

XYZ-axis travel: 16 mm, 250 $\mu\text{m}/\text{turn}$ (100 TPI) and large 2" y-axis control screw
Z-axis coarse adjustment: 8 mm/step
Resolution: 2.5 μm
 Θ control: $\pm 10^\circ$ with $2^\circ/\text{turn}$ and 0.025° resolution
Length: 185 mm/7.3 in
Width: 68 mm/2.7 in
Height: 74 mm/2.9 in
Weight: 1,165 grams/41.1 oz
Base: Lockable magnet