

Accessory – Packaged Part Holders

SemiProbe manufactures a few different types of packaged part holders (PPH). They can be summarized as a fixture that allows you to hold a variety of devices such as packaged parts, substrates, printed circuit boards. Packaged part holders can even hold a chuck that allows you to test wafers, partial wafers and individual die. It is not uncommon for users to require both wafer and packaged part testing on the same probe system. There are a number of ways to integrate a PPH into a probe system. The PPH has a single leadscrew that allows you to open and close the jaws. The jaws have a grooved rail in them that allows the easy insertion and clamping of the device under test (DUT). Most packaged part holders are designed to hold devices ranging in size from 1" (25 mm) to 6" (150 mm).

SemiProbe Packaged Part Probing Fixtures

Option 1 – mounted directly to the prober X,Y,Z and theta stage

Primarily used for applications that involve packaged part testing only.



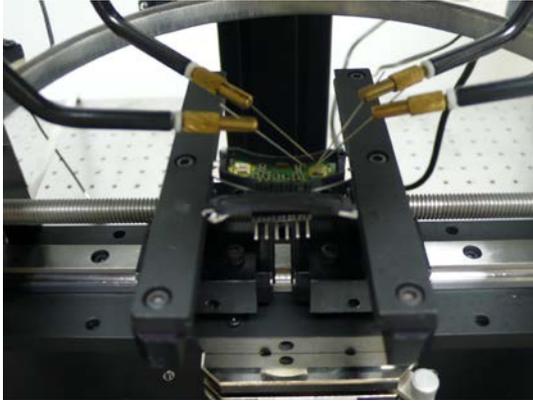
Option 2 – wafer chuck mounted in PPH for multi purpose applications

Packaged Part Holder (PPH) is mounted to the prober X,Y,Z and theta stage. Wafer chuck has a rectangular adapter mounted to it. For wafer probing and high frequency calibrations the user can insert the wafer chuck in the packaged part holder to perform the testing or calibration. When the calibration is complete they can remove the chuck and insert the packaged part they want to probe.



Option 3 – PPH affixed to the adapter plate that mounts to the chuck

The user can mount the packaged part holder on an adapter plate. The adapter plate is affixed to the wafer chuck via vacuum. The user can easily swith between wafer level and packaged part probing applications.



Option 4 – Non Adjustable PPH that affixes to the wafer chuck

PPH that is designed to the customer's specification. They are usually affixed to the wafer chuck via vacuum.

