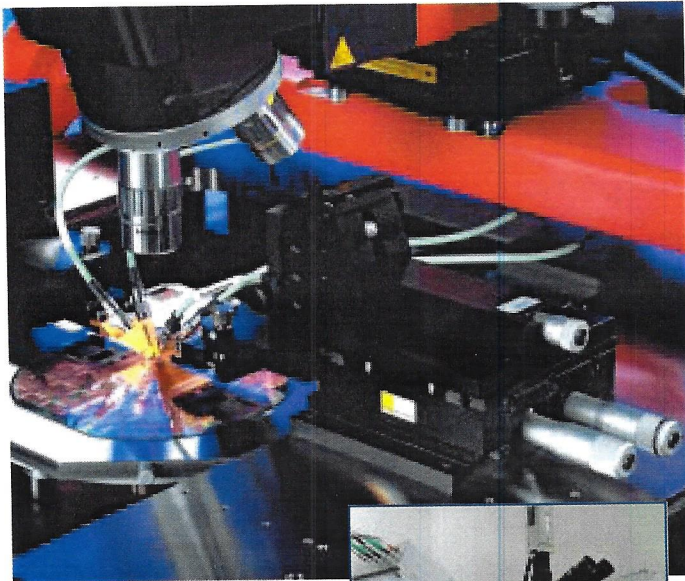


MANUAL HIGH FREQUENCY PROBEHEAD PH250HF



SUSS PH250HF Manual ProbeHead

The SUSS PH250HF is specially designed to meet the strict demands of high frequency probing. Its rigid design is however also useful for special requirements in analytical and production probing such as holding large area detectors for optoelectronics applications.

Features and Benefits

- Rugged, precise construction
- Ergonomic and robust design
- Probe tip planarization
- Flexible arm configurations enable left/right, front/rear and straight set-ups

The PH250HF has a travel range of 25 mm on both the X and Y axis, and 10 mm in Z. All movements are independent and are controlled by micrometers with a resolution of 500 μ /rev (50 tpi).

The PH250HF footprint size allows up to four ProbeHeads to be used on any SUSS Probe Station.

The micrometers are located at the rear of the ProbeHead which eliminates the design of dedicated left or right and front or rear positioners. All high frequency probearms are available in right/left or front/rear configuration as well as straight. They accept all HF probes such as the SUSS IZI Probe.

The different holes in a HF ProbeHead platen enable the PH250HF to be bolted-down wherever desired in 1 inch steps (X and Y) while remaining absolutely parallel. Bolting down the ProbeHeads ensures an absolutely stable deviation-free wafer contact which is essential for accurate HF measurements.

The superior mechanical design of the PH250HF allows heavy test instrumentation (such as load pull tuners and mm wave modules) up to 10 kg to be mounted on to the Z plate of the ProbeHead. This shortens the cable length significantly and ensures no relative cable movement in X, Y or Z.

Lithography

Bonding

Wet Processing

Testing

www.suss.com

SUSS MicroTec

Technical Data: SUSS PH250HF Manual High Frequency ProbeHead

Travel Range

Travel Range X, Y	25 mm
Travel Range Z	10 mm

Resolution

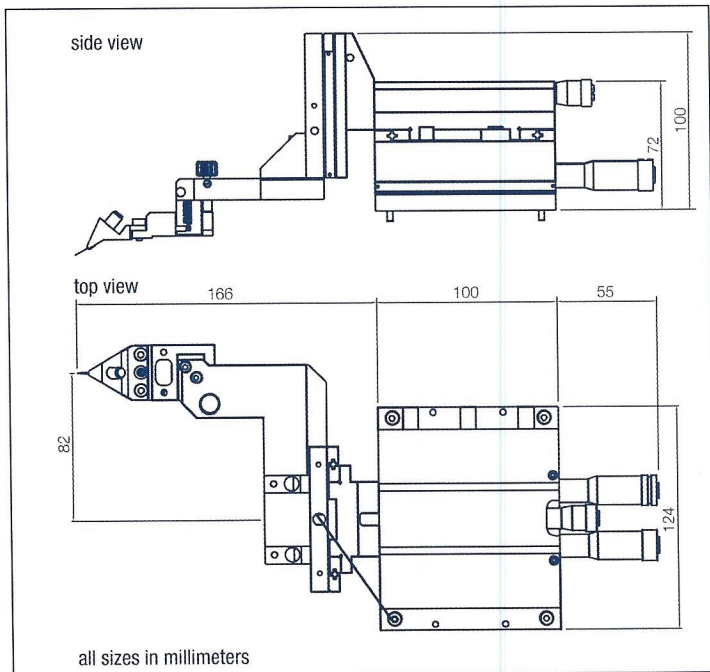
Feature Resolution	3 μ m
Screw Resolution X, Y, Z	500 μ m/rev (50 tpi)

Bases

Choose between	Bolt-down (ideal)
	Magnetic
	Vacuum

Footprint

Footprint Dimension	100 x 124 mm
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