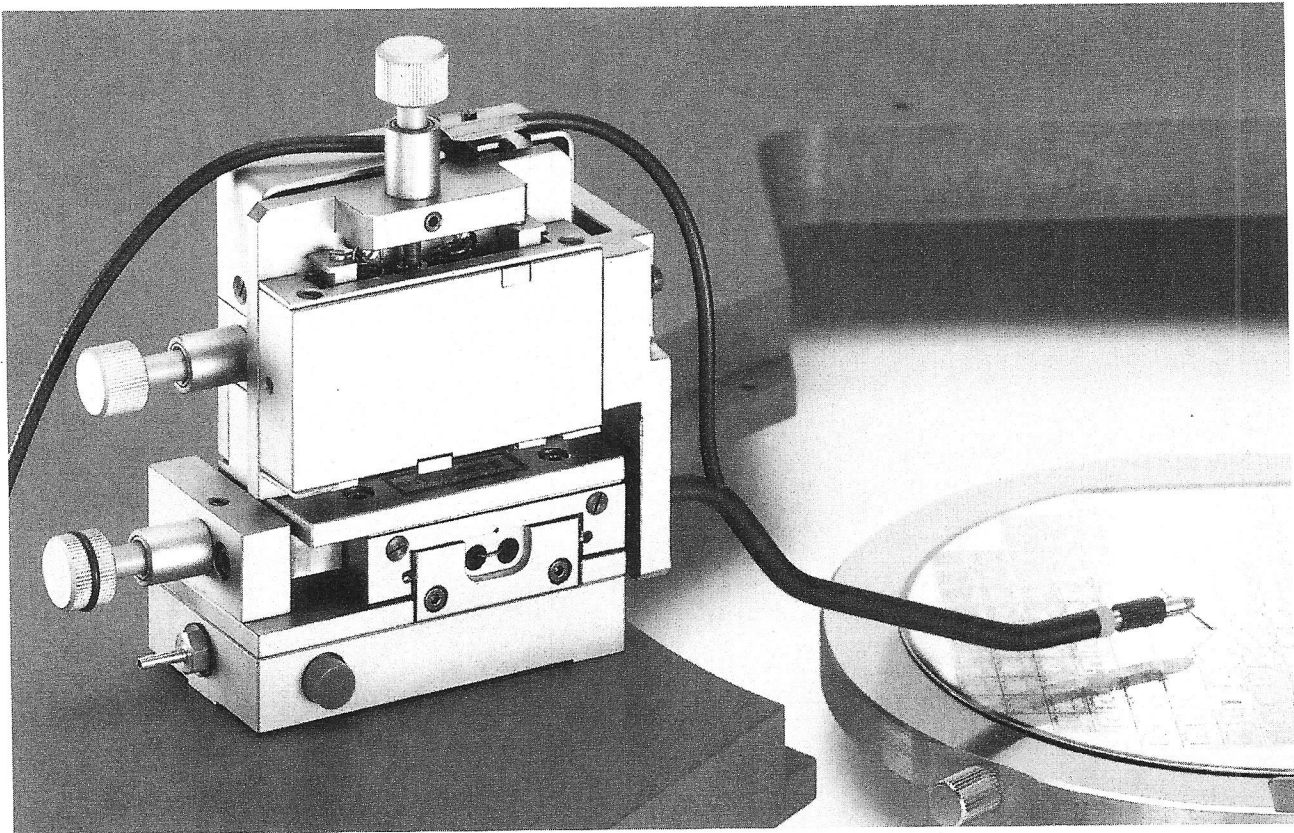


# MANUAL PROBEHEAD PH 120



ACCESSORY DESCRIPTION

## SUSS PH 120 PROBEHEAD

- ▲ Robust, cost-effective, 3  $\mu$ m probing
- ▲ Superior mechanical and ergonomic design
- ▲ Both analytical and microwave versions
- ▲ Precision ball-bearing slides
- ▲ High-resolution positioning screws
- ▲ Strong vacuum base that does not deviate at release

- ▲ Single and double arms with gold collet clamping
- ▲ Electroless, scratch and corrosion-resistant nickel finish

The SUSS line of manual probeheads offers the advantages of proven high quality, superior mechanical and ergonomic design, and complete product line compatibility.

The SUSS PH 120 is the ultimate blend of cost-effective probing and quality mechanics. The PH 120 is a compact and robust positioner which is available in both DC and HF versions.

The PH 120 incorporates an independent X, Y and Z stage system with a maximum mechanical cross-talk deviation of 3 microns. Each stage incorporates hardened steel rails and ball bearings assembled to strict specifications. Each axis has 8 mm of travel with 50 or 100-tpi (threads per inch), high-resolution options. The Z axis has an additional coarse travel of 10 mm for greater flexibility.

All knobs are ergonomically located. The X and Y knobs are located at the rear. The Z knob is located over the mid section of the probehead.

Accurate probe/needle touch down, uninfluenced by finger pressure, is maintained.

The PH120 vacuum base system uses dual circular vacuum ports to guarantee strong holding power. These vacuum ports use the proven SUSS rubber lip design, not O-rings.

Vacuum actuation is controlled by a convenient, body-mounted, "easy touch" plunger. This system gives the operator complete control of

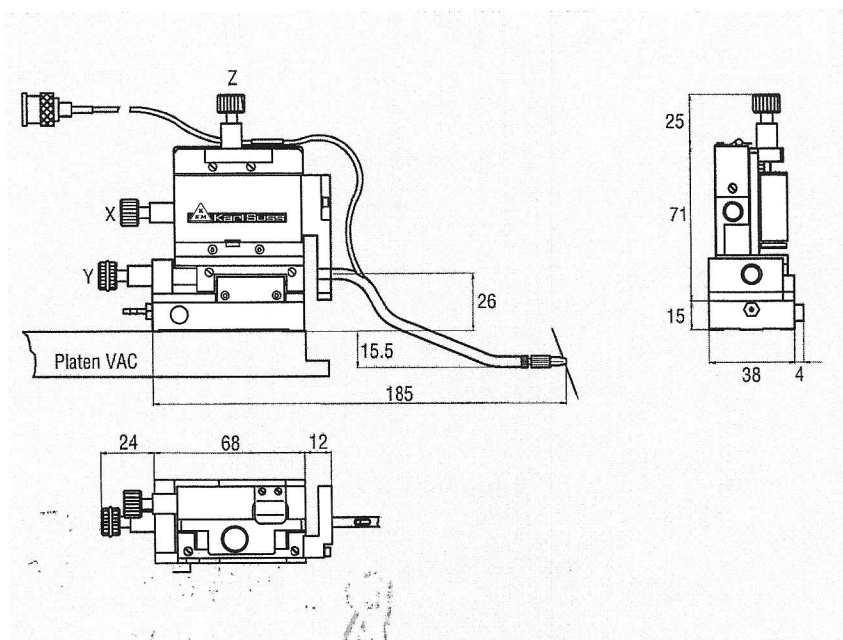
probehead positioning, without gross probe-needle deviation in the Z direction! Both magnetic and mechanical bases are available.

The PH120 is compatible throughout the SUSS product line. The finish of the PH120 is conductive nickel, which is both scratch and corrosion-resistant.

Probe arms are available for all applications, whether standard or special.

## TECHNICAL DATA: SUSS PH120 PROBEHEAD

Travel Range X, Y, Z	8 mm	Feature Resolution	3 µm
Z Coarse Adjustment Range	± 5 mm	Bases	mechanical magnetic vacuum
Screw Resolution X, Y	250/500 µm/rev (100/50 tpi)	HF option	
Screw Resolution Z	250 µm/rev (100 tpi)	Footprint Dimension	68 x 38 mm



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