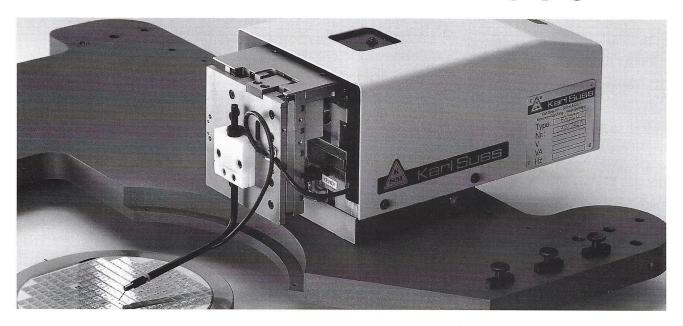# PH 500 AND PH 600

FEATURES

▲ PH 600 provides 0.01 μm resolution and a full 25 mm of travel, ideal for CAD navigation

▲ PH 500 uses 5 μm resolution to move at 5 mm/sec across a range of 25 mm

▲ ProberBench® Operating System offers many control methods

▲ QuietMode removes all motor power, without any mechanical instability

▲ VisionProbe Option can automate the most difficult production applications

Programmable probeheads have to meet a wide range of applications, requiring high resolution and accuracy, as well as high speed. A probehead meeting all these diverse requirements would be a compromise or expensive. For these reasons

SUSS offers two models, the PH 600 for resolution and accuracy, and the PH 500 where speed is important. These probeheads may be used on all probe systems and can be equipped with coaxial, triaxial and high frequency probe arms.

Adding the PH 600 and PH 500 to the SUSS PA 200 Semiautomatic and PM 8 Analytical Probe System with programmable microscope requires simply a drive card to be installed into the electronics. Use on other systems will require drive electronics.

The SUSS ProberBench® Operating System provides many control options: joystick controller, Windows NT® user interfaces and remote control via DDE, RS 232 and IEEE 488.

The PH 600 and PH 500 Probeheads

are similarly constructed of high strength aluminum for stability and hard-coated for durability. The bearing rails are precision ground tool steel V-ways, in place of the typical, at lower cost fabricated rails using rods.

PH 600 PROBEHEAD

The PH 600 Programmable Probehead is designed to meet the requirements of the highest resolution and accuracy applications. It is solidly built to provide stability and repeatability. The drive system is an ultra-modern design using DC servo motors, rotary encoders and harmonic drives. Typical accuracy values are better than ±5 μm at 3σ across 25 mm (1") travel. The PH 600 is an excellent probehead for submicron analytical probing and CAD navigation.

KSM Karl Suss