

# accuprobe

\*probing the World  
of Microelectronics

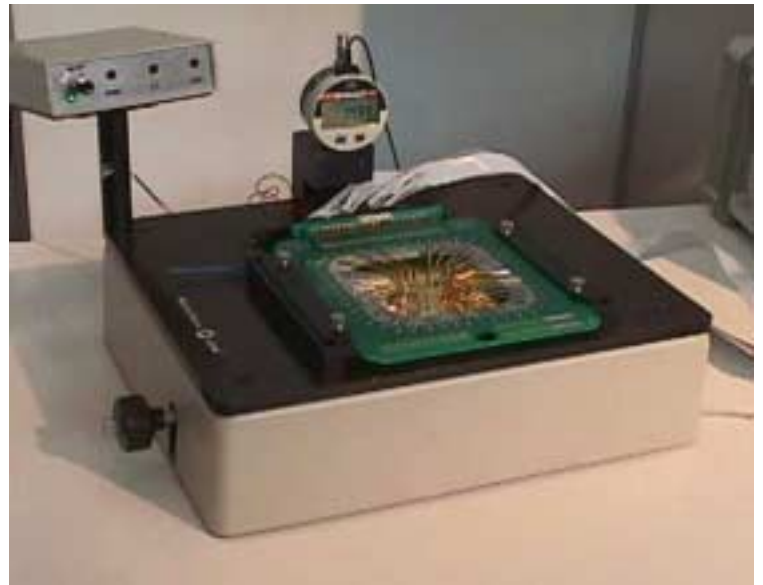
## PTS-100 & PLD-100 PRECISION EQUIPMENT FOR PROBE TO PROBE PLANARIZATION

### PTS-100 PLANARIZATION TEST STATION

Accuracy in probing is what the accuprobe name is all about. The PTS-100 is an excellent example for ease of use, rugged reliability, and high level accuracy in a compact independent package. Since the PTS-100 is an independent instrument someone can be planarizing a probe card while someone else is building or repairing a card on the PCAM.

Measurements are made with a digital linear gauge. The PTS-100 digital linear gauge provides a bright, easy to read display in either inches or millimeters. The gauge has a zero reset and has a data port for an external PC connection.

**TO ORDER: SPECIFY MODEL PTS-100-XXX**  
**XXX= 120 or 240 VAC**  
**Example: PTS-100-120**



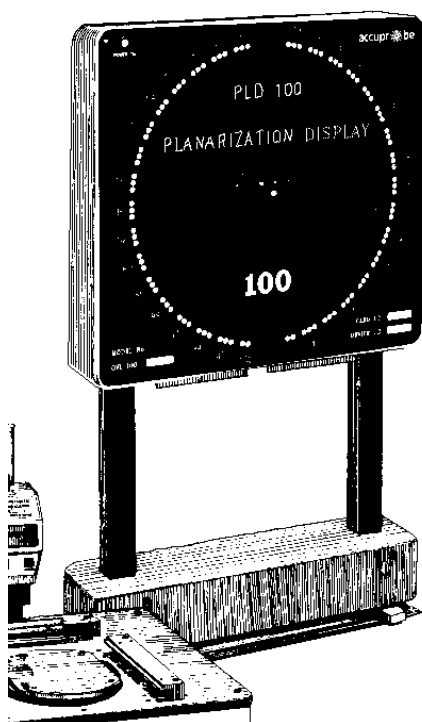
### PLD-100 PLANARIZATION LIGHT DISPLAY

The PLD-100 Planarization display provides a convenient display to monitor probe contact when measuring or adjusting the probe planarization of a probe card assembly. The display significantly enhances the planarization maintenance aspect of probe card care by allowing the user to visually verify the simultaneous contact of all probes to the reference plane and quickly identify high or low probes.

The PLD-100 also includes a unique variable beep-rate audible continuity checker. This troubleshooter can be used to detect shorts and opens and to identify conductive contamination that could result in leakage and corrupt test results.

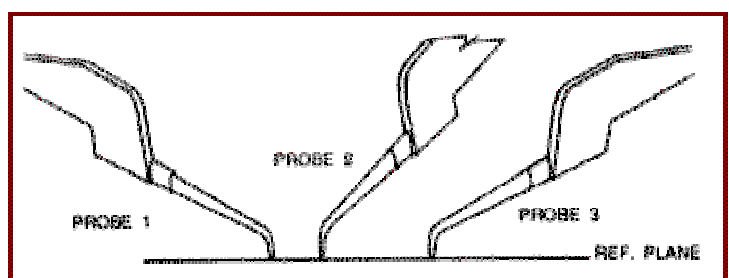
The PLD-100 has a large display area that can display 144 probes in a radial array. Each PLD is supplied with a choice of one display overlay and a matching probe card interface cable that corresponds to the probe card edge connector. Other overlays and interface cables can be ordered separately.

**To Order: Please specify PLD-100-XXX-YYY**  
**XXX= 48, 70, 100 or 120 pin edge connector**  
**YYY= 120 or 240 Volts AC**  
**Example: PLD-100-048-120**



### TECHNICAL BULLETIN

Please visit our web site [www.accuprobe.com](http://www.accuprobe.com) to review Probe Tip # 13 which discusses the importance of probe to probe planarization. Accuprobe's web site was the first and remains the largest and most complete web site in the probing industry. It is designed to be a useful resource and contains a wealth of helpful



information for the probe card technician.

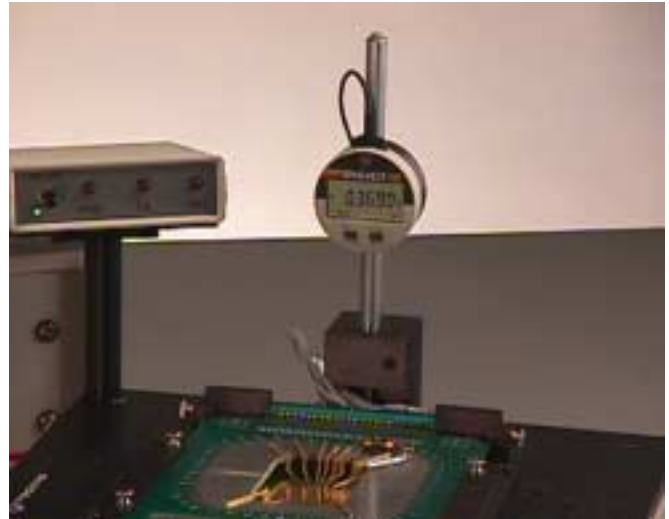
### PRECISION MEASUREMENTS

Measurements are made with a digital linear gauge.

The PTS-100 digital linear gauge provides a bright, easy to read display in either inches or millimeters.

The gauge has a zero reset and has a data port for an external PC connection.

The PTS-100 is the perfect solution for measuring and maintaining the planarity of your probe cards to +/- 5 microns. The precision Z stage uses high quality cross roller slides for extremely smooth and accurate Z motion. The cardholder is fully adjustable and will accommodate most probe card configurations. The card holder accommodates 4.5, 6.0, 6.5, 7.5 & 9.31 inch wide rectangular cards. Various adapters are available for 2.0, 2.7, 4.0, 5.4, 6.0 and other round cards. Adapters are also available for Chip Resistor probe cards for the ESI LT2300 and GSI 724 and 770 Laser Trim Systems.



### CTS-100 - Calibration Tool

The CTS-100 is included with the PTS-100 and is a precision calibration plate for checking or verifying the surface of the PTS chuck in relation to the cardholder. The CTS-100 is also available separately for use with the PCAM or other systems.

**To order separately: Please specify CTS-100**

### ZS-SREWDRIVER

The ZS screwdriver is custom made for the adjustment of Z-Adjustable probes.

**To Order: Please specify ZS Screwdriver**



### BMT- Probe Manipulation Tools

Probe manipulation tools are used for the fine movement of probe tips for Blade Probes or for Epoxy Ring probe arrays.

Two different sets are available, one for Blade Probes and another for Epoxy Ring. The Epoxy Ring BMT set has smaller, finer tips on the tools for working with the typically smaller dimensions found in Epoxy ring. Each set consists of stainless steel tweezers, a hooked pull up tool and a forked push down tool.

**To Order: Please specify as follows:**

**For Blade Probes, order BMT-1**

**For Epoxy Ring, Order BMT-2**

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