

**CRYO**

**INDUSTRIES**  
of America, Inc.

*"performance by design"*

# Micro-Manipulated Probe System

*Multiple Probing of Wafers*



**Two Cooling Options  
Available: LHe or LN2  
or Closed Cycle  
Refrigerator**

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## UNIQUE FEATURES

- Remarkable temperature stability over entire temperature range
- Can accommodate up to 4 inch (100mm) diameter wafer
- Up to six probe stations, customer customizable
- Floor mounted or low profile bench top designs
- Wide range of customizable accessories

## CRYOGENIC PROBE WORKSTATIONS

CIA's Cryogenic Manipulator Probe (CMP) Station has an all stainless steel vacuum chamber and can have up to (6) six XYZ probe stations.

This Model CMP can be operated from <10 K to 800 K. Temperature control is provided by a PID temperature controller. The CMP can be fitted to measure electrical, electro-optical, high Z, DC, RF, and microwave properties of materials and devices. In conjunction with our Microscopy Cryostat range of coolers we are able to meet all of your specific measurement requirements.

The probe stations provide precise 3-axis control of the probe position to within 1um resolution. The probe tips are thermally anchored to prevent heat transfer to the device under test.

Two cooling versions are available:

- a. Liquid helium or liquid nitrogen
- b. Closed cycle refrigerator (Cryogen Free)

The CMP is user – configured with up to six ultra stable micro-manipulated probe stations, and comes with a wide range of options which include:

- Various window sizes and materials
- Vibration isolation
- Low pressure LN2 dewar
- Turbo molecular pumping system