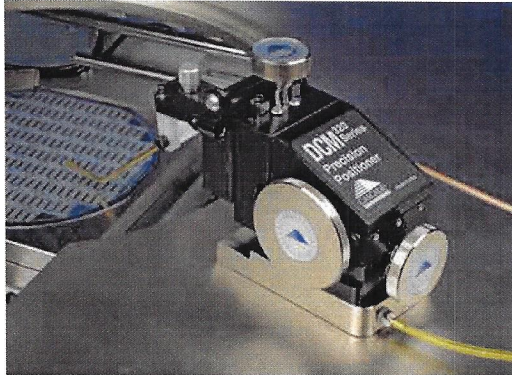


DCM Series Probe Micropositioner Technical and Ordering Information

See It. Touch It.
Measure It.®

Precision micropositioners for DC/CV measurements



The DCM-Series Probe Micropositioner, optimized for all DC/CV applications, accepts a variety of Cascade Microtech DC probes. Its small profile enables you to position multiple positioners at any angle to the DUT. With optional probes and triaxial accessories, this micropositioner configures to state-of-the-art, guarded, low-noise probing (as low as 1 fA), in minutes.

Features

- Easily adjusted right-hand and left-hand knobs
- Adjustable probe arm mounting plate
- Compatible with Cascade's MicroChamber®
- Optimized for Cascade's triaxial probing accessories
- Cross-roller bearings
- Magnetic or vacuum base
- 0.5 inch (1.27 cm) x-, y-, and z-axis adjustment range
- Calibrated movements using scales on x-, y-, z-axis knobs

Benefits

- Accurate overtravel with calibrated z-axis knob
- With probe and triaxial accessories, micropositioner configures to state-of-the-art, guarded, low-noise triaxial probing in minutes
- Micron-placement accuracy

Applications

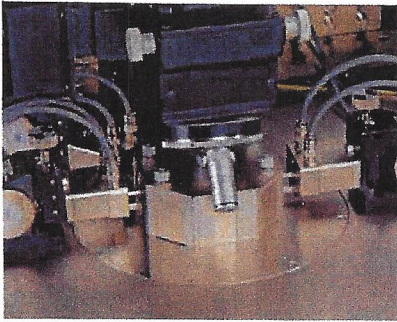
- DC/CV wafer probing
- Package probing

Operating Characteristics

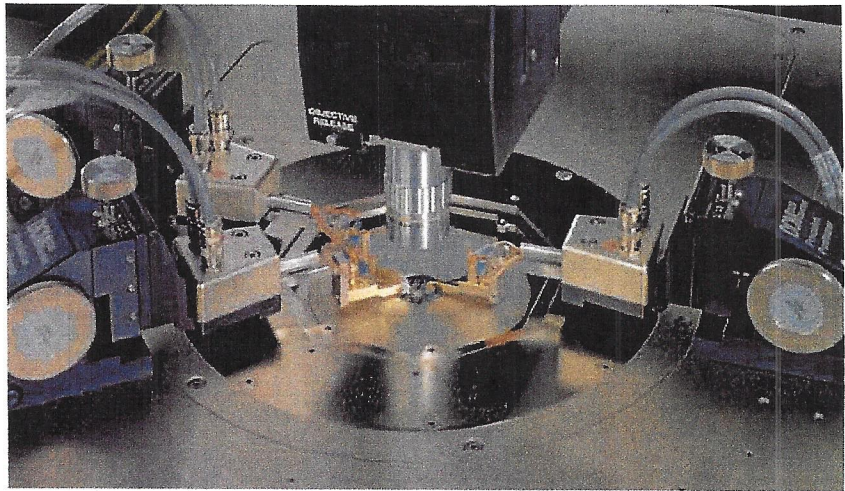
Vacuum base option: vacuum release (requires 13 in. Hg @ 0.15 CFM vacuum)
Magnetic base option: magnetic break handle release

Specifications

Parameters/Models	DCM-205	DCM-210	DCM-320
Feature Resolution	3µm	2µm	1µm
Screw Resolution X, Y, Z	500µm/rev (50TPI)	250µm/rev (100TPI)	125µm/rev (200TPI)
Foot Dimension (XxY)	2.5" (6.35cm) x 4" (10.16cm)		
X-Y-Z Travel	.5" (1.27cm)		



DCM-series probe micropositioners in use with a Cascade Microtech patented MicroChamber



When ordering DCM probe micropositioners in pairs, it is recommended to order one right-hand positioner (R) and one left-hand positioner (L). A right-hand positioner has the x-axis adjustment knob on your right as you face the probe. A left-hand positioner has the knob on your left. Photo shows triax block adapter and coaxial probe.

Ordering Information

The DCM comes with a vacuum or magnetic base, 50, 100 or 200 turns per inch, and with a right- or left-hand configuration.

Order number..... DCM-x-yz

Create the order number by choosing the "x", "y", and "z"
 x = 205 for 50 turns per inch,
 210 for 100 turns per inch,
 or 320 for 200 turns per inch
 y = M for magnetic base or V for vacuum base

z = R for right-hand positioner or L for left-hand positioner
 e.g. DCM-205-ML
 or DCM-210-VR

To complete your triax positioner-probe configuration, you must also order a dual triax adapter for a DCM-200 or 300 series positioner.

Refer to the DCP 100-Series data sheet and Precision DC Probe Holder data sheet for more information.

Recommended Accessories

DCP probe mount, dual triax adapter (Kelvin), for DCM-200 series positioners	114-818	\$ 420-
Needle probe mount & jack lock holder for DCM-200 series positioners	114-842	
DCP probe mount for DCM-200 series positioners, direct probe/cable connection (SSMC)	116-031	
PTT probe mount (MMP-01/J) & adapter kit for DCM positioner (non Top-hat)	129-116	
Enhanced Jack Lock Needle probe holder for a DCM-200 series positioner	138-014	
Vacuum pump (115VAC/60Hz)	141-050	
Vacuum pump (230VAC/50Hz)	141-050E	



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DCM-TO-0108
 Data subject to change
 without notice

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