

DOUBLE VIEW MICROSCOPE DCM-40/60

For comparison of top & bottom patterns of a wafer

Outline of Product

DCM-40/60 is a special microscope designed to see if the top and bottom patterns of a wafer are identical with each other. With DCM-40/60, it is possible to superimpose the two patterns in one view field (usually on monitor screen) for their comparison. Any differences between them can be easily detected, and the amount of difference can be determined by linear gauge & counter.

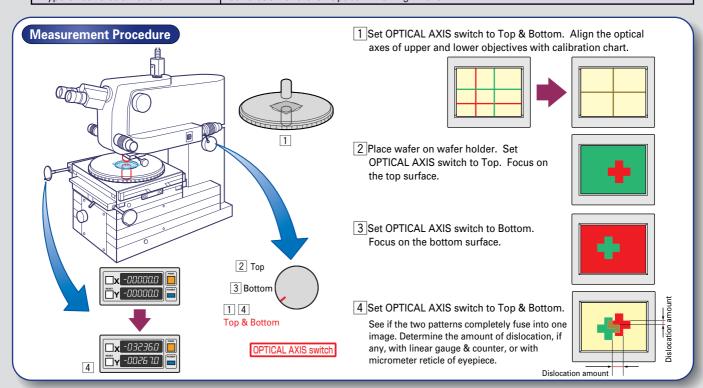
Objectives are available in various magnifications (5X, 10X, 20X, 40X), making DCM-40/60 applicable to a variety of materials.

DCM-40 is for wafers of up to 4 inches. DCM-60 is for wafers of up to 6 inches.

- Easy alignment of beam axes of upper and lower objectives.
- DCM-40/60 can come with various types of stages.
- Comes with C mount as standard. TV monitor observation and photographing are possible. (Both CCD video camera and Digital Camera can be used. Digital Camera adaptor is
- It is possible to observe top or bottom face alone.

Specifications

	DCM-60			DCM-40		
Objectives (To be selected by customer)	(Total Magnification) Top Bottom		PLI	00X) M10X M10X	(200X) PLLWDM20X PLLWDM20X	(400X) PLLWDM40X PLLWDM40X
Eyepiece	A pair of SUW10X (including Micrometer Reticle) A pair of UW10X (including Micrometer Reticle)					
Total Magnification	50X to 400X (Larger Magnifications are available on custom-order basis.)					
Travel Distance of Upper Objective	24mm			30mm		
Travel Distance of Lower Objective	3mm			12mm		
Filter	Top: Green Bottom: Red					
Stage & Counter	150 x 150mm Manual Stage KC-12R Counter (1µm reading)			50×50 mm Manual Stage, Digital Micrometer (1 μ m reading) 100×100 mm Manual Stage, KC-12R Counter (1 μ m reading)		
Stage Travel	X: 150mm Y: 150mm			X:50mm Y:50mm/X:100mm Y:100mm		
Wafer Holder	Maximum : 6 inches			Maximum : 4 inches		
	Holder can be supplied in specially designed shape on custom-order basis.					
Stage Rotation	360°					
Illumination	150W Halogen Light Guide Illumination					
Thickness of Material	20 mm or less			30mm or less		
Type of Calibration Chart	Calibration Chart for Optical Axis Alignment					



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All specifications are subject to change without prior notice.