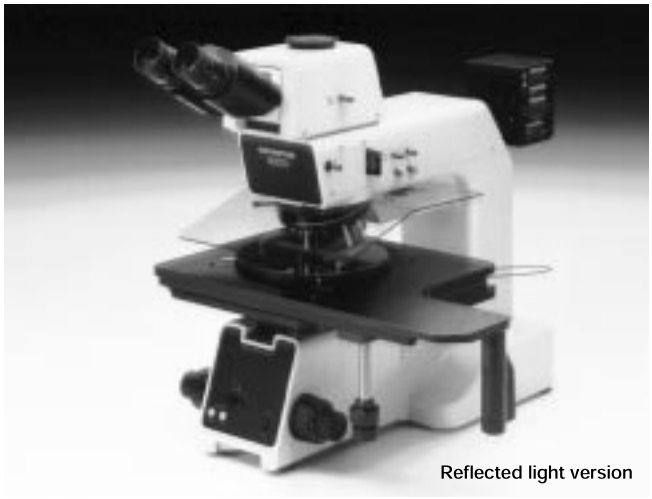
UIS
UNIVERSAL INFINITY SYSTEM

MX50

SEMICONDUCTOR INSPECTION MICROSCOPE

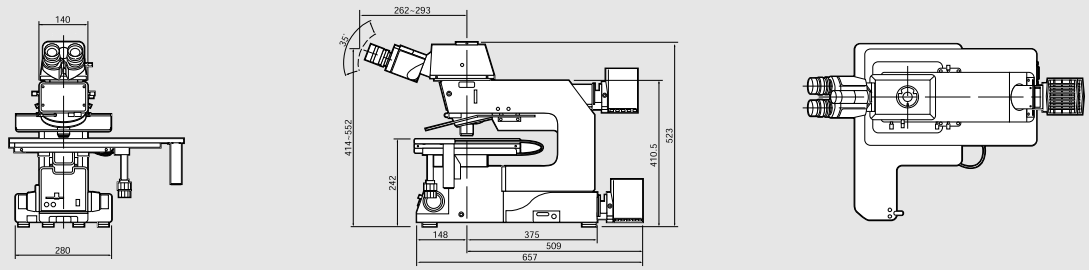
Thanks to Olympus Frontal Control,
inspection is fatigue-free for extended periods,
whether the operator is seated or standing.



Reflected light version

Reflected light/transmitted light version

Dimensions
(unit: mm)



MX50 Specifications

Item		MX50A reflected light version	MX50T reflected light/transmitted light version
Microscope stand	Frame	8″ arm-integrated frame with built-in transformer for reflected light and power supply for driving the motorized revolving nosepiece	8″ arm-integrated frame with built-in transformer for reflected/transmitted light (switchable) and power supply for driving the motorized revolving nosepiece
	Focus	Coaxial coarse and fine focus, stage travel range: 32mm (2mm up and 30mm down from the stage surface), fine focus stroke per rotation: 0.1mm, minimum fine focus adjustment graduation: 1μm, sensitivity: 1μm or less	
	Revolving nosepiece	Motorized quintuple nosepiece for brightfield/darkfield observation (adapter needed for brightfield objectives), magnification changeable via front panel switch or directly selectable via remote control unit (U-HS)	
	Incident illumination	Brightfield/darkfield switchable via slider (also usable for Nomarski DIC* and polarized light observation) 12V, 100W halogen bulb light source (xenon lamp housing mountable) Aperture diaphragm, field diaphragm (with centering mechanism) and pinhole slider built-in	
	Base illumination	—	12V, 100W halogen bulb light source Condenser N.A.: 0.2–0.63 (with aperture iris diaphragm, fixed)
Stage	8″ × 8″	Stroke: 210 × 210mm (transmitted light: 185 × 185mm), roller guide slide mechanism, belt drive system (no racks), stage holder with built-in clutch	
	6″ × 6″	Stroke: 158 × 158mm, roller guide slide mechanism, friction ring, triangular wire rail system (no racks), 4-step clutch disengagement	
	For wafer loader combination	AL100-VS (vacuum stages) mountable	
Observation tube	Invert	Binocular tube, trinocular tube (F.N. 22), super widefield tilting trinocular tube (F.N. 26.5)	
	Erect	Super widefield trinocular tube (F.N. 22), super widefield tilting trinocular tube (F.N. 26.5)	
Objectives		UIS objectives	
Eyepieces		UIS eyepieces (10×, 12.5×, 15×)	
Photo eyepieces		UIS photo eyepieces (2.5×, 3.3×, 4×, 5×)	
Power consumption		200VA (xenon light source: 200VA)	
Weight		Microscope stand: approx. 27kg. Combined with MX-SIC8R and U-SWETTR: approx. 38kg	
Dimensions		See above diagram	

**High resolution type DIC slider available*