MEIJI TECHNO

MC SERIES
PRECISION MEASURING MICROSCOPE SYSTEMS

MEIJI's MC Series modular, measuring systems are composed of high quality metallurgical microscope components,precision X-Y stages and durable heavy-duty stands. The MC Series measuring microscopes are available with 2-axis and 3-axis electronic digital readouts. (Readouts can be set for English or Metric measurments.)

Systems can be configured for use with 35mm photomicrography, CCD video and digital still camera systems. Operators can perform visual inspection and measurement of small parts and components without complicated system preparations.The MC Series systems are available in 110 or 220/240 voltage.

Magnification range with included optics:
50X, 100X, 200X & 400X
Magnification range with optional optics:
500X, 600X & 1000X

Model MC-50 with CK3900 1/2" CCD Color TV camera.
("C" mount adapter is required. Digimatic micrometer heads are optional.)

www.digital-usb-microscopes.com info@digital-usb-microscopes.com

MEIJI TECHNO

MC Series

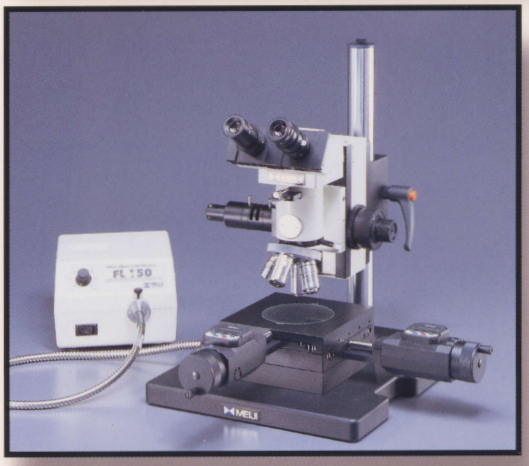
PRECISION MEASURING MICROSCOPE SYSTEMS

MODEL MC-40

Reflected light Measuring Microscope with erect image Binocular head

MODEL MC-40T

Transmitted light Measuring Microscope with erect image Binocular head (Convertible to reflected light by inserting light guide into vertical illuminator tube)



MODEL MC-50

Reflected light Measuring Microscope with erect image Trinocular head

MODEL MC-50T

Transmitted light Measuring Microscope with erect image Trinocular head (Convertible to reflected light by inserting light guide into vertical illuminator tube)

Note: MTI164-162 Digimatic micrometer heads for X-Y axis movement are optional.

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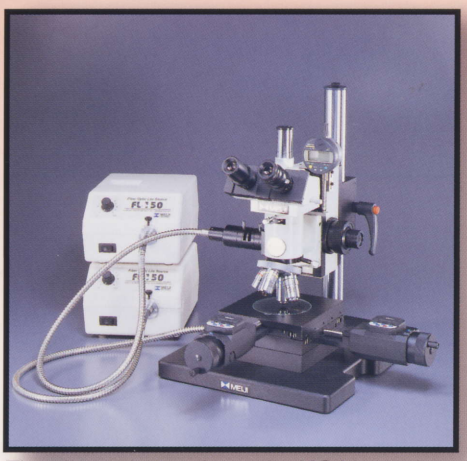


The above picture shows the MC Measuring Microscope with MTI543-252B MITUTOYO Digital indicator. (MA807Mounting bracket is required to mount the digital indicator.) This microscope is a specially configured model with two illuminators for vertical and transmitted light.

The above picture shows the Model MC-50 with CK3900 1/2" CCD Color TV camera. ("C" mount adapter is required.)

The above picture shows the Model MC-50 with NIKON Digital camera Coolpix 950 (MA151 Digital camera adapter is required.)

MC Series STANDARD SPECIFICATIONS:

	CAT. No.	MODEL	MC-40	MC-40T	MC-50	MC-50T
Viewing Head	MA657/05	Erect image Binocular head with depolarizer	■	■		
	MA655/05	Erect image Trinocular head with depolarizer			■	■
Eyepieces	MA413CF	Focusing Eyepiece HWF10X-FF. with cross-line reticule,with set screw	■	■	■	■
	MA406	High eyepoint eyepiece HWF10X, F.N.: 18, Eyepoint: 24mm				
Objectives	MA330	Objective, S.Plan M5X, N.A.0.10, W.D. 20mm	■	■	■	■
	MA337	Objective, S.Plan M10X, N.A.0.25, W.D. 9.4mm				
	MA338	Objective, S.Plan M20X, N.A.0.40, W.D. 5.28mm				
	MA339	Objective, S.Plan M40X, N.A.0.65, W.D. 0.81mm				
Illuminator	MA806	Infinity corrected vertical Koehler illuminator, focal length 200mm, with sliding rotatable polarizer. Fillter set: Blue Clear, Green Clear, Neutral Density ND8, and Polarizing filters in metal mounts. Port to accept FL150/12 flexible 36" (914.4mm) single arm fiber optic light guide.	■	■	■	■
	FL150/12	Flexible 36" (914.4mm) single arm fiber light guide for MA806				
	FL150/50	Focusing lens for FL150/12				
	FL150/115 or FL150/200	Light source:115V, 50-60Hz halogen lamp, 21V150W Light source: 230V, 50-60Hz halogen lamp, 21V150W				
Focus Block	FU1010	Coaxial coarse and fine focus block with quadruple ball bearing nosepiece	■	■	■	■
Stand	MAC-11	Heavy duty stand with pillar and mounting bracket Diameter of pillar: 38mm, Height: 432mm, Base: 300 x 300 x 25mm	■	■	■	■
Stage	MA728	Reflected light measuring stage: 150mm x 150mm with 50mm x 50mm X-Y movement, with mounting brackets for digital micrometer heads	■		■	
	MA729	Transmitted light measuring stage: 150mm x 150mm with 50mm x 50mm X-Y movement, with glass stage plate, mounting brackets for digital micrometer heads		■		■

Note: MTI164-162 Digimatic micrometer heads for X-Y axis movement are optional.

OPTIONAL ACCESSORIES

MC SERIES

VIEWING HEADS

MA657/05 Erect image binocular head with depolarizer (Included in the Models MC-40 and MC-40T)

MA603/05 Trinocular head (non-erect image)with depolarizer

MA655/05 Erect image trinocular head with depolarizer (Included in the Models MC-50 and MC-50T)

MA403 Inclined monocular head

EYEPIECES (DIN)

MA413CF Focusing Eyepiece HWF10X-FF with cross-line reticule, with set screw (Included in the Models MC-40, MC-40T, MC-50 and MC-50T)

MA406 Widefield eyepiece, HWF10X, F.N.: 18.0mm, Eyepoint: 24mm (included in the Models MC-40, MC-40T, MC-50 and MC-50T)

MA407 Widefield eyepiece, KHW10X, F.N.: 20.0mm, Eyepoint: 22mm

MA408 Widefield eyepiece, HWF15X, F.N.: 12.2mm, Eyepoint: 15mm

MA409 Widefield eyepiece, HWF20X, F.N.: 9.0mm, Eyepoint: 9mm

MA413 Focusing eyepiece HWF10X-F

MA414 Filar micrometer eyepiece with Inclined monocular head

MA584 Protractor eyepiece 10X

OBJECTIVES

(INFINITY CORRECTED, PARFOCAL DISTANCE: 45MM)

MA336 S.Planachromat M4X, N.A.0.10. Working Distance: 20mm

MA330 S.Planachromat M5X, N.A.0.10. Working Distance: 20mm (included in the Models MC-40, MC-40T, MC-50 and MC-50T)

MA337 S.Planachromat M10X, N.A.0.25. Working Distance: 9.4mm (included in the Models MC-40, MC-40T, MC-50 and MC-50T)

MA338 S.Planachromat M20X, N.A.0.40. Working Distance: 5.28mm (included in the Models MC-40, MC-40T, MC-50 and MC-50T)

MA339 S.Planachromat M40X, N.A.0.65. Working Distance: 0.81mm (included in the Models MC-40, MC-40T, MC-50 and MC-50T)

MA722 S.Planachromat LWD M40X. N.A.0.45, Working Distance: 5.8mm

MA344 S.Planachromat M50X, N.A.0.70. Working Distance: 0.36mm

MA349 S.Planachromat LWD, M50X, N.A.0.50. Working Distsnce: 6.0mm

MA329 S.Planachromat M60X, N.A.0.85. Working Distance: 0.48mm

MA328 S.Planachromat M100X, N.A.0.75. W. D.: 0.28mm, Dry

EYEPIECE MICROMETERS

MA279 Eyepiece micrometer, cross-line reticle, 19mm diameter for use with HWF10X eyepiece (MA406)

MA280 Eyepiece micrometer, 10mm divided into 100 units, 19mm diameter for use with HWF10X eyepiece (MA406)

MA281 Eyepiece micrometer, 5mm divided into 100 units, 19mm diameter for use with HWF10X eyepiece (MA406)

MA282 Eyepiece micrometer, 10mm divided into 400 parts, 0.5mm square,19mm diameter for use with HWF10X eyepiece (MA406)

MA283 Eyepiece micrometer, 10mm divided into 100 parts, 1.0mm square,19mm diameter for use with HWF10X eyepiece (MA406)

MA539 Eyepiece micrometer, crossline with 0.1mm graduations, 19mm diameter for use with HWF10X eyepiece (MA406)

STAGE MICROMETERS

MA285 Stage Micrometer, 1mm divided into 100 units, each unit 0.01mm

MA286 Stage Micrometer, 0.04" divided into 400 units, each unit 0.001 inch

MA292 Metal stage micrometer, 0.01mm. for reflected light

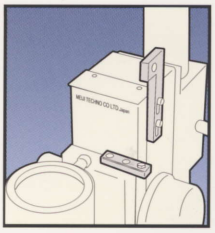
DIGIMATIC INDICATORS

MTI164-162 Mitutoyo Digimatic micrometer for X-Y axis movement: Range 50mm (2")

MTI543-252B Mitutoyo Digimatic Indicator for Z axis movement: Range 12.7mm (0.5")

MA721 Extension rod for axis indicator

MA807 Mounting bracket for Z axis indicator



MA807 Bracket for mounting Digital indicator (Optional) The FU1010 Focusing blocks are all provided with threaded holes for mounting the MA807 Bracket

VIDEO EQUIPMENT

CK3100N CCD Color TV camera. 1/3" CCD, 450 TV lines of resolution, NTSC system with DC12V adapter

CK3100P CCD Color TV camera. 1/3" CCD, 450 TV lines of resolution, PAL system with DC12V adapter

CK3900N CCD Color TV camera. 1/2" CCD, 450 TV lines of resolution, NTSC system with DC12V adapter

CK3900P CCD Color TV camera. 1/2" CCD, 450 TV lines of resolution, PAL system with DC12V adapter

VIDEO "C" MOUNTS

MA151/10 "C"mount adapter (Replaces existing phototube)

MA151/35/04 "C"mount adapter with 0.45X lens (Slips over top of existing phototube)

MA151/35/15 "C"mount adapter with 1.0X lens (Slips over top of existing phototube)

MA151/35/20 "C"mount adapter with 0.7X lens (Slips over top of existing phototube)

MA151/35/25 "C"mount adapter with 2.5X lens (Slips over top of existing phototube)

DIGITAL CAMERA ADAPTERS

MA151/35/50 Digital Camera adapter for use with Nikon Coolpix 950 and 990 digital cameras. (Slips over top of existing phototube)

MA151/35/60 Digital Camera adapter for use with Olimpus Camedia digital cameras. (Slips over top of existing phototube)

OTHERS

FL150/70 Spare Bulb, 21V 150W (EKE)

MA569 Glass stage plate for MA729 reflected and transmitted light stage

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