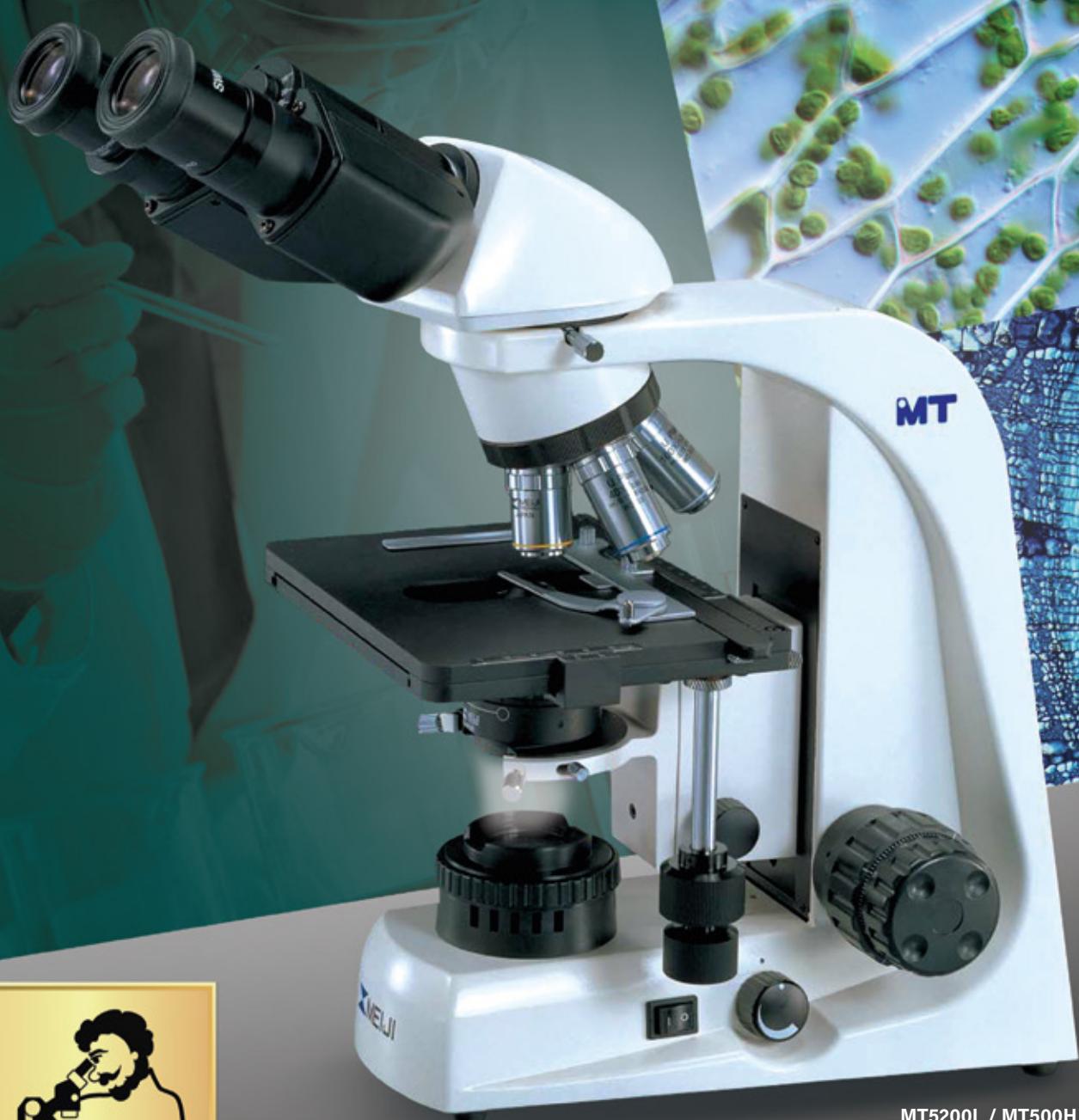


Infinity Corrected Optical System

MT5000 SERIES

MEIJI TECHNO BIOLOGICAL COMPOUND MICROSCOPES



MT5200L / MT500H



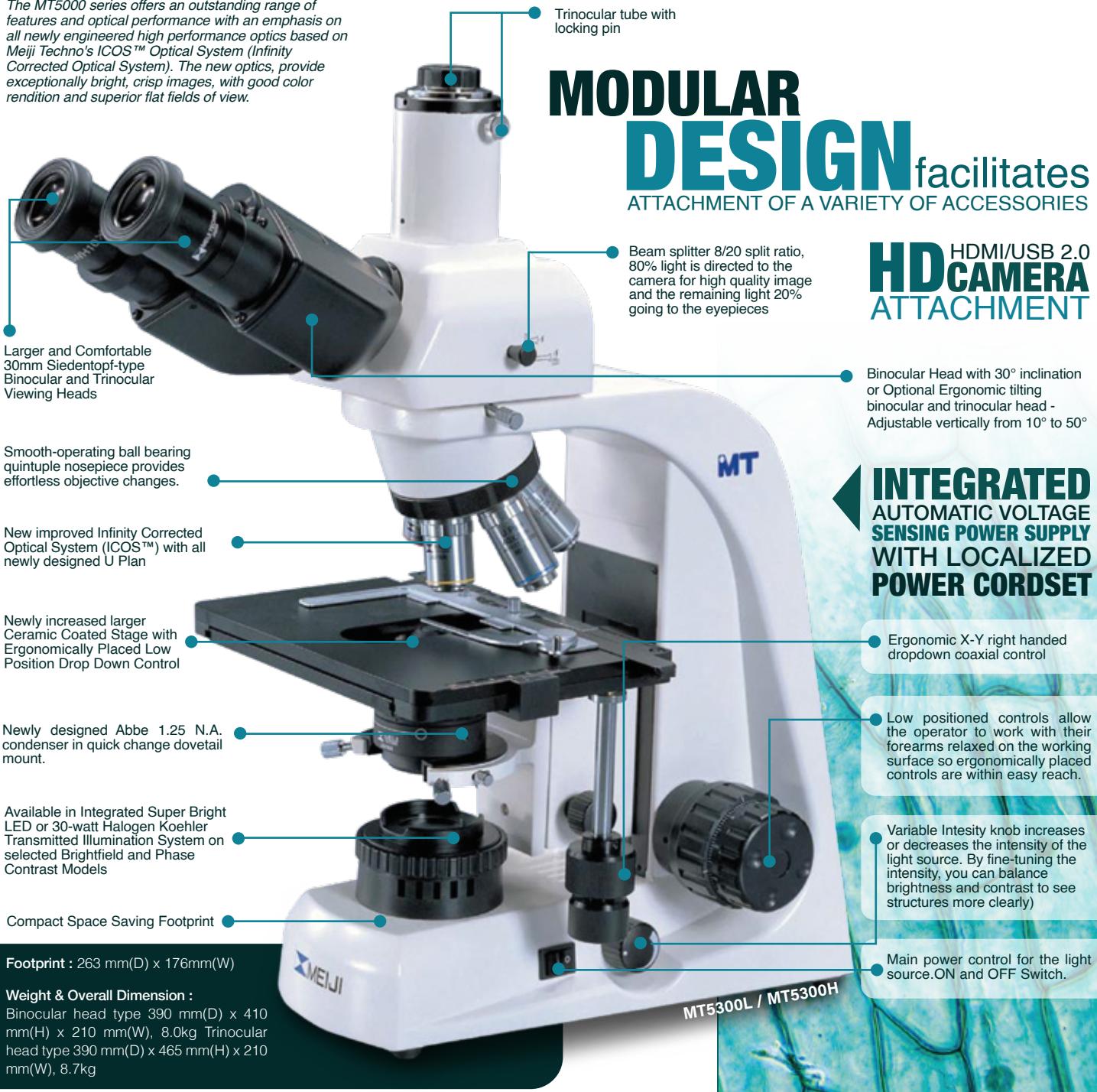
BRIGHTFIELD/PHASE CONTRAST

MT5000 SERIES

MEIJI TECHNO BIOLOGICAL COMPOUND MICROSCOPES

The Meiji Techno MT5000 Series Biological Microscopes have been designed as versatile, modular, ergonomic microscope systems which are ideally suited for use in research, or advanced laboratory applications. Ergonomic placement of controls allows for stress free operation, increased efficiency and maximum productivity. The MT5000 Series microscopes feature a new computer engineered rigid frame that incorporates low positioned coaxial coarse/fine focus controls and ergonomic stage design for maximum efficiency and comfort while also providing an extremely stable operating platform.

The MT5000 series offers an outstanding range of features and optical performance with an emphasis on all newly engineered high performance optics based on Meiji Techno's ICOS™ Optical System (Infinity Corrected Optical System). The new optics, provide exceptionally bright, crisp images, with good color rendition and superior flat fields of view.



MEIJI TECHNO

MODULAR DESIGN facilitates ATTACHMENT OF A VARIETY OF ACCESSORIES

HD CAMERA ATTACHMENT

Binocular Head with 30° inclination or Optional Ergonomic tilting binocular and trinocular head - Adjustable vertically from 10° to 50°

INTEGRATED AUTOMATIC VOLTAGE SENSING POWER SUPPLY WITH LOCALIZED POWER CORDSET

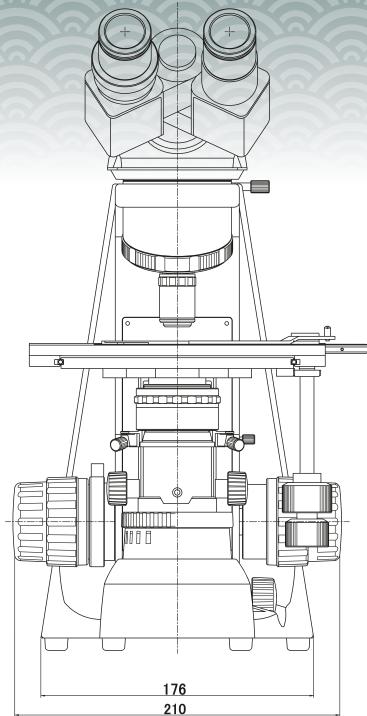
Ergonomic X-Y right handed dropdown coaxial control

Low positioned controls allow the operator to work with their forearms relaxed on the working surface so ergonomically placed controls are within easy reach.

Variable Intensity knob increases or decreases the intensity of the light source. By fine-tuning the intensity, you can balance brightness and contrast to see structures more clearly

Main power control for the light source. ON and OFF Switch.





MT5210L / MT5310H
(Binocular Phase Contrast Model)

BRIGHTFIELD BINOCULAR AND TRINOCULAR MODEL SYSTEMS

MODEL	BODY	ILLUMINATOR	EYEPIECES	OBJECTIVES	STAGE	CONDENSER
MT5200L	Binocular	LED ILLUMINATION KOEHLER AUTO VOLTAGE SENSING 110V-240V	KHW 10X F.N. 20 (O.D. 23.2mm) PAIRED	INFINITY OPTICAL SYSTEM F = 200mm (Bright Field) U PLAN 4X U PLAN 10X U PLAN 40X U PLAN 100X OIL	FIXED CERAMIC COATED FLAT-TOP RIGHT HANDED CONTROLS	ABBE N.A. 1.25 WITH IRIS IN DOVETAIL MOUNT
MT5200EL	Ergonomic Binocular					
MT5300L	Trinocular					
MT5300EL	Ergonomic Trinocular					
MT5200H	Binocular					ABBE N.A. 1.25 WITH BLUE FILTER IN DOVETAIL MOUNT
MT5200EH	Ergonomic Binocular					
MT5300H	Trinocular					
MT5300EH	Ergonomic Trinocular					

PHASE CONTRAST / BRIGHTFIELD BINOCULAR AND TRINOCULAR MODEL SYSTEMS

MODEL	BODY	ILLUMINATOR	EYEPIECES	OBJECTIVES	STAGE	CONDENSER
MT5210L	Binocular	LED ILLUMINATION KOEHLER AUTO VOLTAGE SENSING 110V-240V	KHW 10X F.N. 20 (O.D. 23.2mm) PAIRED	INFINITY OPTICAL SYSTEM F = 200mm (Phase Contrast /Bright Field) U PLAN 4X, U PLAN PH10X, U PLAN PH40X	FIXED CERAMIC COATED FLAT-TOP RIGHT HANDED CONTROLS	ZERNIKE TYPE PHASE N.A. 1.25 WITH GREEN FILTER IN DOVETAIL MOUNT
MT5210EL	Ergonomic Binocular					
MT5310L	Trinocular					
MT5310EL	Ergonomic Trinocular					
MT5210H	Binocular					
MT5210EH	Ergonomic Binocular					
MT5310H	Trinocular					
MT5310EH	Ergonomic Trinocular					

HDMI-USB 2.0 CAMERAS WITH 11.8" MONITOR

Requiers 0.5 CAdapter Model MA151/35/03

HD1000-LITE-M Affordable Color HD 5MP CMOS 15FPS/ HDMI/ USB 2.0 Camera/Annotation & Measurement Software with 11.8IN HDMI monitor.

HD1500T-M Color HD 6MP CMOS 60FPS/ HDMI/ USB 2.0 Camera/Annotation & Metric Measurement Software with 11.8IN HDMI monitor.

HD1500MET-M Color HD 6MP CMOS 60FPS/ HDMI/ USB 2.0 Camera/Annotation & Metric Measurement Software with 11.8IN HDMI monitor.

HD1500MET-AF-M Autofocus HD 6MP CMOS 60FPS/ HDMI/ USB 2.0 Camera/Annotation & Metric Measurement Software with 11.8IN HDMI monitor.

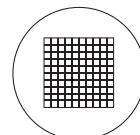
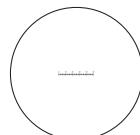
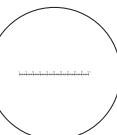
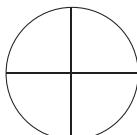


MT5310L / MT5310H
(Trinocular Phase Contrast Model)

COMPONENTS & ACCESSORIES FOR MT5000 SERIES

EYEPiece MICROMETERS (25MM DIAMETER) FOR USE WITH MA817 SWH10X EYEPiece)

MA523 Cross-line reticle, 25mm diameter
MA506 10mm divided into 100 units, 25mm diameter
MA509 5mm divided into 100 units, 25mm diameter
MA524 10mm square into 400 parts, 0.5mm square, 25mm diameter
MA510 10mm square into 100 parts, 1.0mm square, 25mm diameter
MA542 Cross-line with 0.1mm graduation, 25mm diameter



MA523

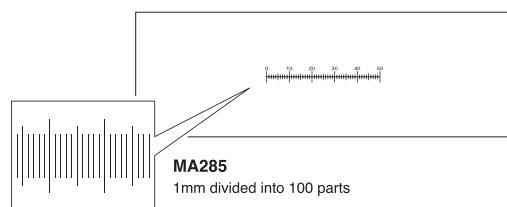
MA506

MA509

MA542

STAGE MICROMETERS

MA285 Glass micrometer, 0.01mm ruling
MA286 Glass micrometer, 0.04" divided into 40 units, 0.001"



Zernike Phase Set

MISCELLANEOUS

MA906 Eyeshield for MA817 SWH10X Eyepiece (ea) (Included in all models.)
MA326 Spare bulb 6V 30W halogen lamp
MA327 Spare Fuse 3A for Halogen illuminator version
MA929 Spare Fuse 0.5A for LED illuminator version
MA809/10/AC Removable AC Electric cord with UL plug for 115V models
MA809/20/AC Removable AC Electric cord with European plug for 220V models
MA809/30/AC Removable AC Electric cord with UK plug for 240V models
MA701 Dust Cover for MT5000 Series

COMPONENTS AND ACCESSORIES FOR MT5000 SERIES

VIEWING HEAD (without eyepieces)

MA815 Binocular head (Siedentopf type), I.P. adjustment 53mm to 75mm graduated diopter on left eyetube (30.0mm I.D. eyetubes). Inclined at 30°(Included in Models MT5200L, MT5200H, and MT5210H)

MA816 Trinocular head (Siedentopf type), I.P. adjustment 53mm to 75mm graduated diopter on left eyetube (30.0mm I.D. eyetubes). Inclined at 30°.(Included in Models MT5300L, MT5300H, and MT5310H)

MA957 Ergonomic tilting binocular head (Siedentopf type), adjustable from 10° to 50°, I.P. adjustment 53mm to 75mm, graduated diopter on left eyetube (30.0mm I.D. eyetubes)

EYEPieces WITH 30.0MM O.D. TUBE

MA817 SWH10X, Widefield high eyepoint eyepiece, Field No. 22, Tube O.D. 30.0mm (paired), Included in Models MT5200L, MT5300L, MT5200H, MT5300H, MT5210H and MT5310H)

MA818 SWH15X, Widefield high eyepoint eyepiece, Field No. 16.0, Tube O.D. 30.0mm (paired)

MA819 SWH20X, Widefield high eyepoint eyepiece, Field No. 12.0, Tube O.D. 30.0mm (paired)

MA859 SWH10X-F Focusing eyepiece with reticle mount (without reticle), Tube O.D. 30.0mm (paired)

PLANACHROMAT OBJECTIVES

MA830 U Plan Objective 2.5X, N.A.0.07, W.D.5.7mm, F.N.24

MA831 U Plan Objective 4X, N.A.0.10, W.D.25.8mm, F.N.24, (Included in Models MT5200L, MT5300L, MT5200H and MT5300H)

MA832 U Plan Objective 10X, N.A.0.25, W.D.10.67mm, F.N.24, (Included in Models MT5200L, MT5300L, MT5200H and MT5300H)

MA833 U Plan Objective 20X, N.A.0.40, W.D.7.29mm, F.N.24

MA834 U Plan Objective 40X, N.A.0.65, W.D.0.5mm, F.N.24, (Included in Models MT5200L, MT5300L, MT5200H and MT5300H)

MA835 U Plan Objective 50X oil, N.A.0.87, W.D.0.28mm, F.N.24

MA837 U Plan Objective 100X oil, N.A.1.25, W.D.0.23mm, F.N.24, (Included in Models MT5200L, MT5300L, MT5200H and MT5300H)



ERGONOMIC HEAD

ZERNIKE PLANACHROMAT PHASE OBJECTIVES AND COMPONENTS

MA839 U Plan Phase 10X Objective, N.A.0.25, W.D.10.7mm, F.N.24, (Included in Models MT5210H and MT5310H)

MA840 U Plan Phase 20X Objective, N.A.0.40, W.D.7.29mm, F.N.24, (Included in Models MT5210H and MT5310H)

MA841 U Plan Phase 40X Objective, N.A.0.65, W.D.0.5mm, F.N.24, (Included in Models MT5210H and MT5310H)

MA842 U Plan Phase 100X Objective, N.A.1.25, oil, W.D.0.23mm, F.N.24, (Included in Models MT5210H and MT5310H)



PLANACHROMAT OBJECTIVES

ZERNIKE PHASE CONDENSER

MA913 Zernike Phase condenser with centerable phase annuli for 10X, 20X, 40X, 100X with brightfield position, darkfield stop for 40X objective, (black-out position for epi-fluorescence on MT6000 Series only) with iris in dovetail mount (Included in Models MT5210H. MT5310H)



POLARIZER SET

OTHER ZERNIKE COMPONENTS

MA458/05 Centering Telescope,30.0mm O.D. (Included in Models MT5210H and MT5310H)

MA861/05 Green interference filter, 40.0mm diameter, unmounted (Included in Models MT5210H. MT5310H)

BRIGHTFIELD CONDENSER

MA910 Abbe condenser, N.A.1.25 with iris diaphragm and filter tray, dovetail mount (Included in all Models)

DARKFIELD OIL IMMERSION OBJECTIVE/CONDENSER SYSTEM

MA836 Plan Objective 50X, N.A.0.87, oil, with iris, W.D.0.28, F.N.24

MA838 Plan Objective 100X, N.A.1.25, oil, with iris, W.D.0.23, F.N.24

MA914 Darkfield condenser, N.A.1.25, dovetail mount

POLARIZERS

MA915 Polarizer set for MT5000 Series microscopes

FILTERS

MA858/05 ND25 Neutral density filter, 40.0mm diameter, unmounted

MA856/05 LB100 Blue Clear filter 40mm diameter, unmounted (Included in all Halogen illuminator models) (Included with MT5200H, MT5300H, MT5210H & MT5310H)

MA857/05 Green filter, clear, 40.0mm diameter, unmounted

MA861/05 Green interference filter, 40.0mm diameter, unmounted (Included in Models MT5210H, MT5310H)

STAGES

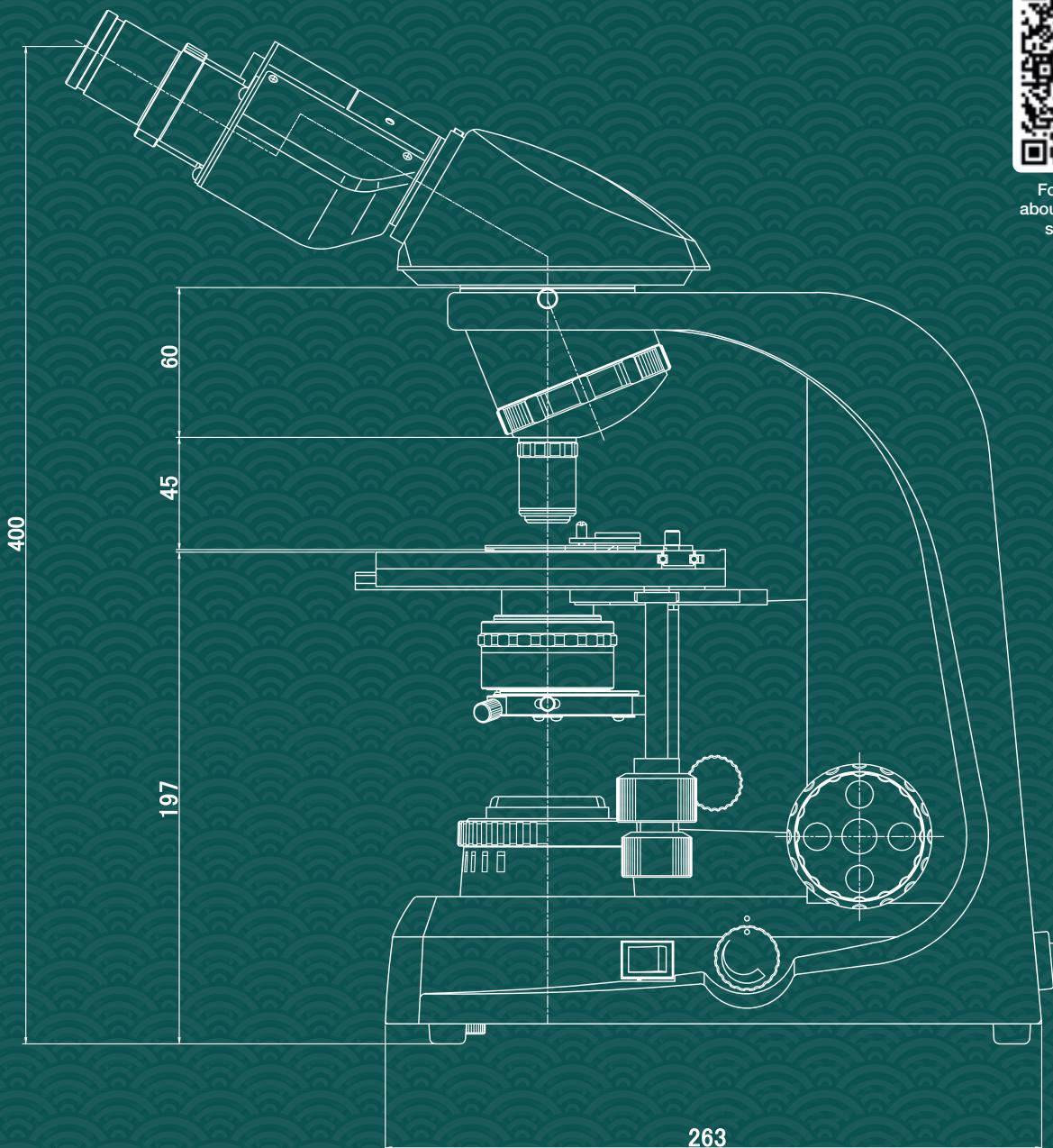
MA918R Ceramic coated flat-top stage, 78mm x 52mm, X-Y movement, with right hand drop-down coaxial controls. (Included in Models MT5200L, MT5300L, MT5200H, MT5300H, MT5310H, and MT5310H)

MA918L Ceramic coated flat-top stage, 78mm x 52mm, X-Y movement, with left hand drop-down coaxial controls. (Included in Models MT5200L, MT5300L, MT5200H, MT5300H, MT5310H, and MT5310H)

MA676 Attachable clinical specimen holder for MA918R and MA918L



ARKFIELD CONDENSER AND OBJECTIVES WITH IRIS DIAPHRAGM



For more information
about the MT5000 Series,
scan this QR code.

Specifications and design subject to change without notice for improvements

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