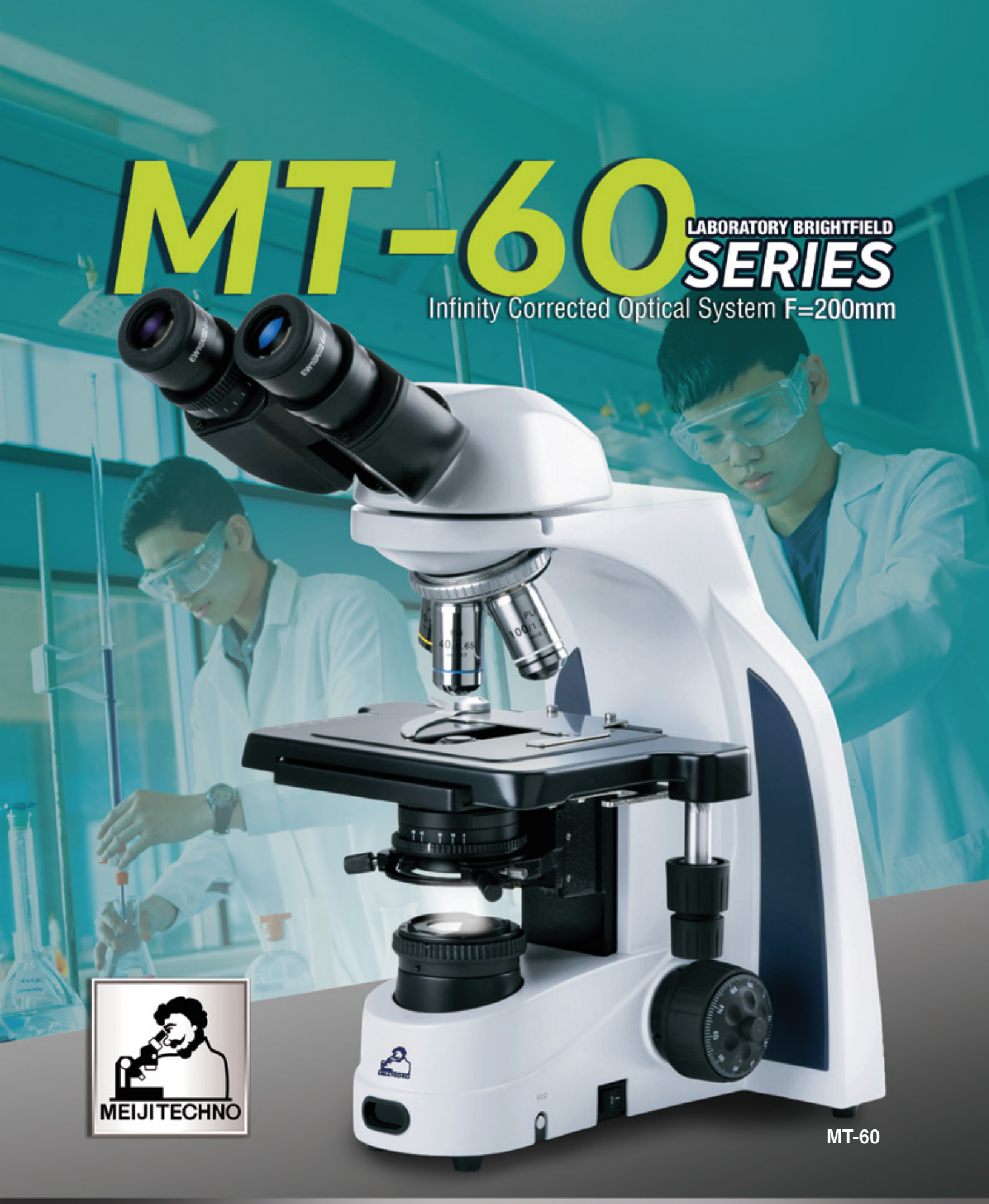
MT-60 LABORATORY BRIGHTFIELD SERIES

Infinity Corrected Optical System F=200mm



LABORATORY BRIGHTFIELD BIOLOGICAL UPRIGHT COMPOUND MICROSCOPES

MT-60 SERIES

MEIJI TECHNO

EDUCATIONAL LABORATORY MICROSCOPES

UPRIGHT BRIGHTFIELD BIOLOGICAL COMPOUND SYSTEMS

LABORATORY MICROSCOPE WITH INTELLIGENT ENERGY SAVING SENSOR

INTRODUCING THE NEW MT-60 & MT-61 SERIES. INTELLIGENT, ENERGY-EFFICIENT, AND PRECISELY ENGINEERED MICROSCOPES FOR MODERN LIFE AND BIOMEDICAL SCIENCES

Meiji Techno introduces the MT-60 and MT-61 Series, our latest generation of Infinity Corrected Compound Biological Brightfield Microscopes engineered for precision, durability, and professional performance. The MT-60 (Binocular) and MT-61 (Trinocular) models are specifically designed for Life Science and Biomedical applications, offering outstanding optical quality and ease of use. Both models are equipped with Infinity Plan Objectives (4X, 10X, 40X, and 100X oil) that deliver superior image resolution and color fidelity across all magnifications.

A robust, rackless mechanical stage (228.6 mm x 140 mm) with a smooth 79 x 52 mm travel range ensures precise slide movement and long-term reliability. The 3W transmitted LED illumination system provides bright, even light distribution with low heat emission and an exceptionally long service life. Both microscopes feature a Smart Sensor Illumination System, designed to conserve energy — automatically switching off the LED light source when the operator steps away from the instrument. This innovation enhances operational efficiency while extending the life of the illumination system. With their ergonomic design, precision optics, and energy-saving technology, the MT-60 and MT-61 Series set a new standard for clarity, performance, and reliability in routine laboratory and educational environments.

MODEL	BODY	ILLUMINATOR	EYEPIECES	OBJECTIVES	STAGE	CONDENSER
MT-60	Binocular	3W INTENSITY ADJUSTABLE LED ILLUMINATION WITH INTERNAL POWER SUPPLY/CHARGER AUTO VOLTAGE SENSING POWER SUPPLY 100V - 240V	PAIRED HWF 10X//20MM F.O.V. 23.2MM WITH DIOPTER ADJUSTMENT	INFINITY PLAN ACHROMAT 4X 10X 40X 100X OIL	228.6MM X 140MM RACKLESS STAGE EQUIPPED WITH INTEGRATED 79MM X 52MM MECHANICAL STAGE	ABBE CONDENSER N.A. 1.25 WITH SLIDER HOUSING FOR SLIDERS AND PINION FOR VERTICAL MOVEMENT
MT-61	Trinocular					

for **LABORATORY**
STUDENTS & PROFESSIONALS

RUGGED, CAST METAL FRAME
(WITH CLEMICAL RESINTANT FINISH)

VIEWING HEADS
360° rotatable binocular 30° inclined tube trinocular Viewing Head 30° inclined

ATTACHABLE
DIGITAL CAMERA
23.2mm PHOTO PORT

LABORATORY
EDUCATIONAL LEVEL
MICROSCOPES

EYEPIECES
Paired HWF 10X//20mm F.O.V. 30.0mm with diopter adjustment

BEAM SPLITTER
securely holds the fragile filters in place within the microscope's optical path.

OPTICAL PARTS
ARE ***ANTI-FUNGUS TREATED***
FOR HUMID AND TROPICAL CLIMATES

OBJECTIVES
Reverse facing nosepiece with Infinity Corrected Plan Achromat 4X, 10X, 40X, 100X oil N.A. 1.25, W.D. 0.19mm, 180mm tube length

CABLE
STORAGE SYSTEM
EASY CARRYING GRIP
ASSEMBLY
WITH TRIANGULAR
COMPACT SPACE
FOOTPRINT DESIGN

STAGE
149mm x 138mm Mechanical stage with X – Y movement of 76mm x 50mm. With locked-on specimen holder stage clamp

MECHANICAL DROPDOWN
Ergonomic X-Y right handed dropdown coaxial control

CONDENSER
Abbe condenser, N.A. 1.25 with Iris diaphragm and lever for height adjustability

FOCUSING ADJUSTMENT
Coaxial coarse and 200 μm fine adjustments, 2 μm precision, Friction adjustment. "Slip-clutch" system protects against over-focusing

ILLUMINATION
Built-in 3W intensity adjustable LED illuminator provides constant, reliable, pre-focused illumination. Power supply, 100V – 240V with 45mm Filter Holder

MT-61

LIGHT SWITCH
Main power control for the light source.ON and OFF

SENSOR ILLUMINATION
Save energy by Automatically switching off shortly after microscopists step away from their position.

Customer Support (U.S.A Based)
1-(800) 832-0060 (P.S.T.)

Normal Configuration:
Length 14" x Width 8" x Height 15.5"
Head Rotated 180° for Storage:
Length 9.5" x Width 6" x Height 15.5"

HDMI-USB 2.0 CAMERAS WITH 11.8" MONITOR

Requires C - Mount Adapter on trinocular model MT-61

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.

HD1500MET-M

AVAILABLE C-MOUNT ADAPTERS FOR MT-60 SERIES

MA151/MT61/03	C-mount adapter with 0.35X lens for MT-61
MA151/MT61/04	C-mount adapter with 0.45X lens for MT-61
MA151/MT61/15	C-mount adapter with 1.0X lens for MT-61

ATTACHABLE **DIGITAL** CAMERA **SYSTEM**

IDEAL FOR *LABORATORY LEVEL*
UNIVERSITY
MEIJI TECHNO MICROSCOPES FOR EDUCATIONAL APPLICATIONS

For more information about the MT-60 Series, scan this QR code.

MT-61

Specifications and design subject to change without notice for improvements

Agent:

MEIJI TECHNO CO.,LTD.
322-1, Chikumazawa Miyoshi-machi,
Iruma-gun Saitama 354-0043, Japan
Tel : (0)49-259-0111 Fax : (0)49-259-0113
E-mail : meiji@meijitechno.co.jp
http://www.meijitechno.co.jp

MEIJI TECHNO AMERICA
591 Division St., Campbell CA 95008
Tel: 408-226-3454 Fax: 408-226-0900
Toll free : 800-832-0060
Make your order at:
E-mail: admin@meijitechno.com
General Questions:
info@meijitechno.com
sales@meijitechno.com
http://www.meijitechno.com

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