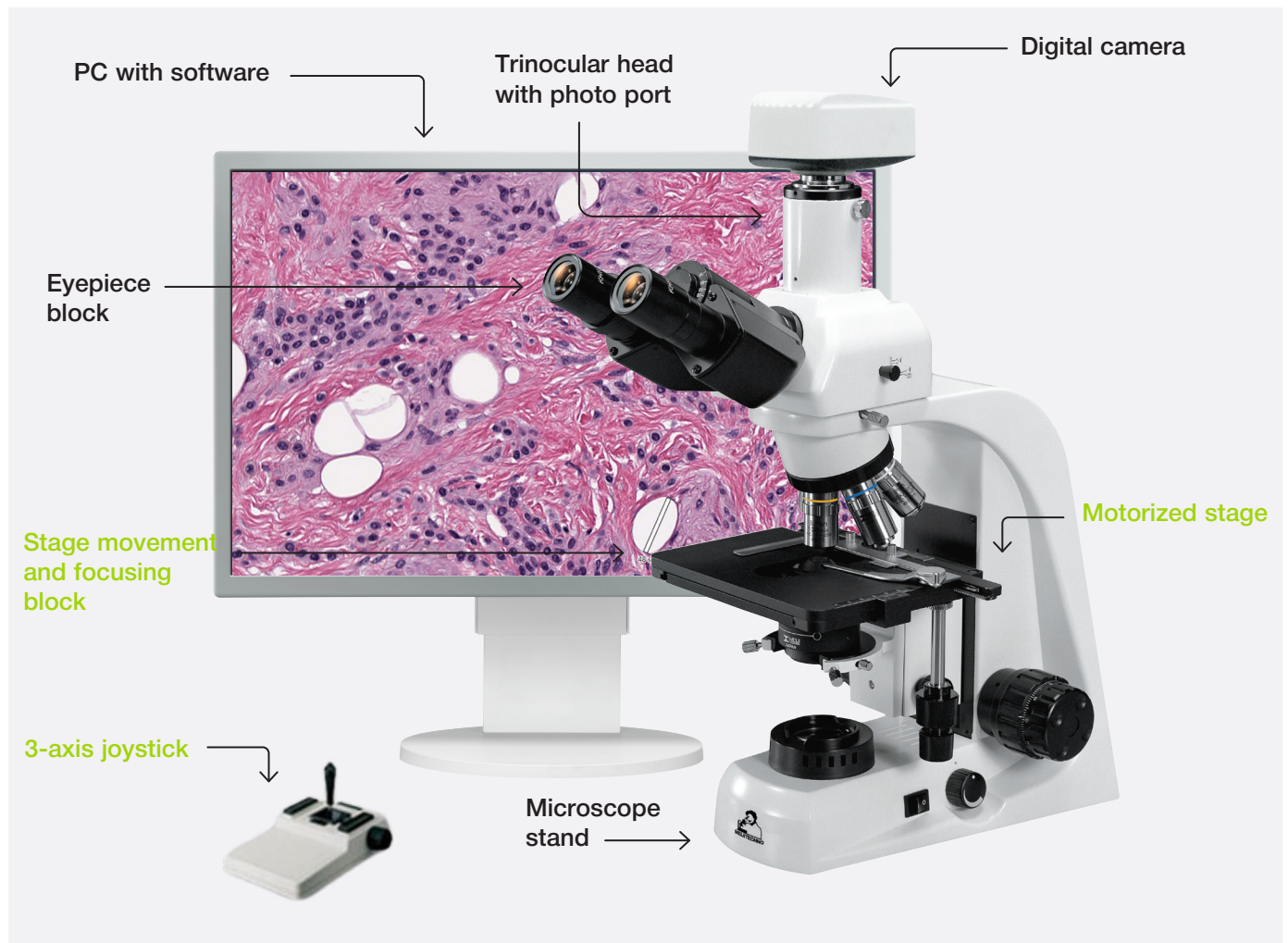


Motorized Microscopes

MEIJI TECHNO



Components of Motorized Microscope

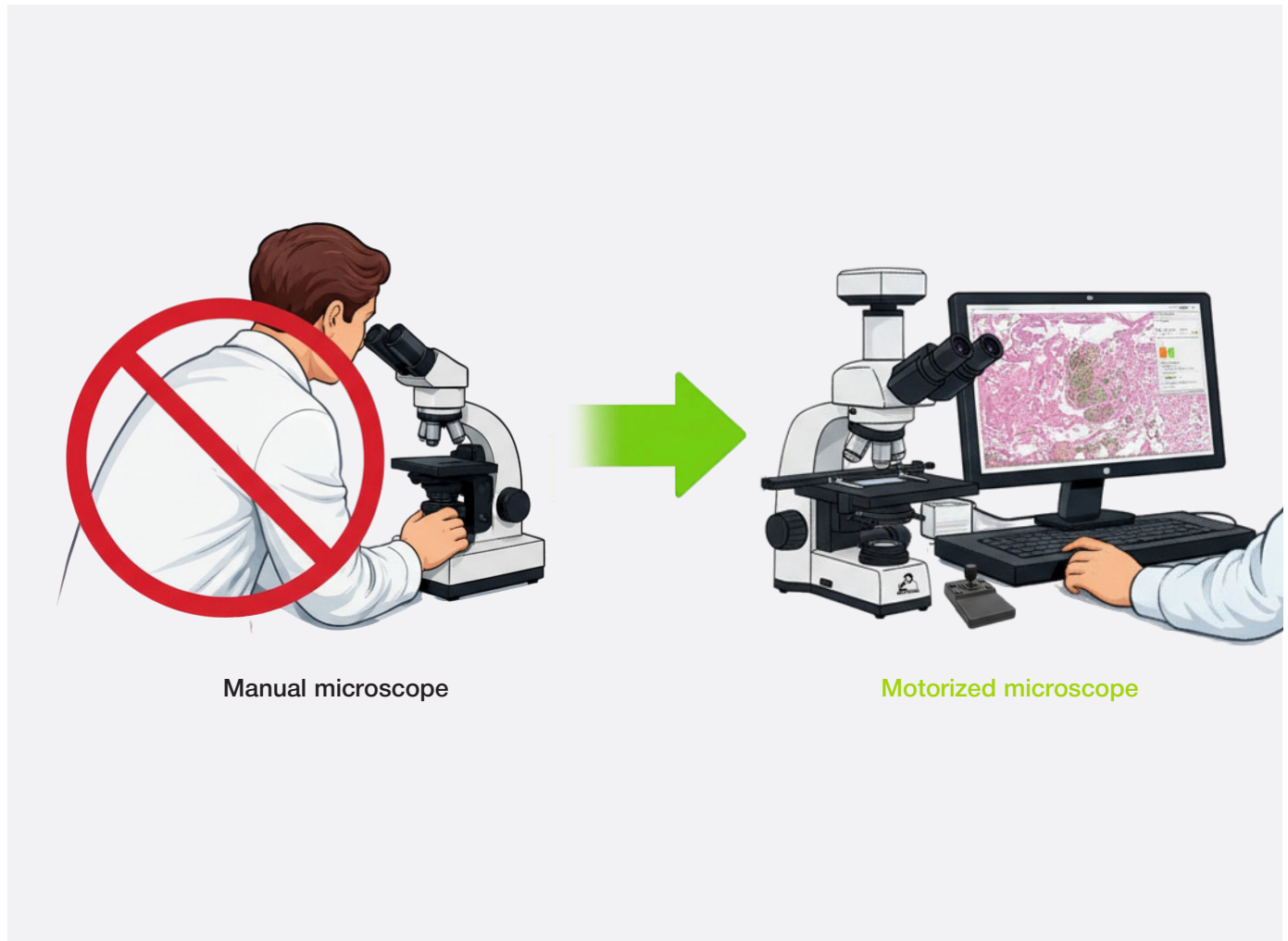


The motorized microscope system is based on Meiji Techno biological and industrial microscope platforms

Motorization is achieved with:

- Motorized X-Y stage
- Motorized focus (Z-axis)
- Joystick control
- SDK (Software Development Kit)

What Is a Motorized Microscope?



Motorized microscope is **controlled by a computer**, not manually by the user

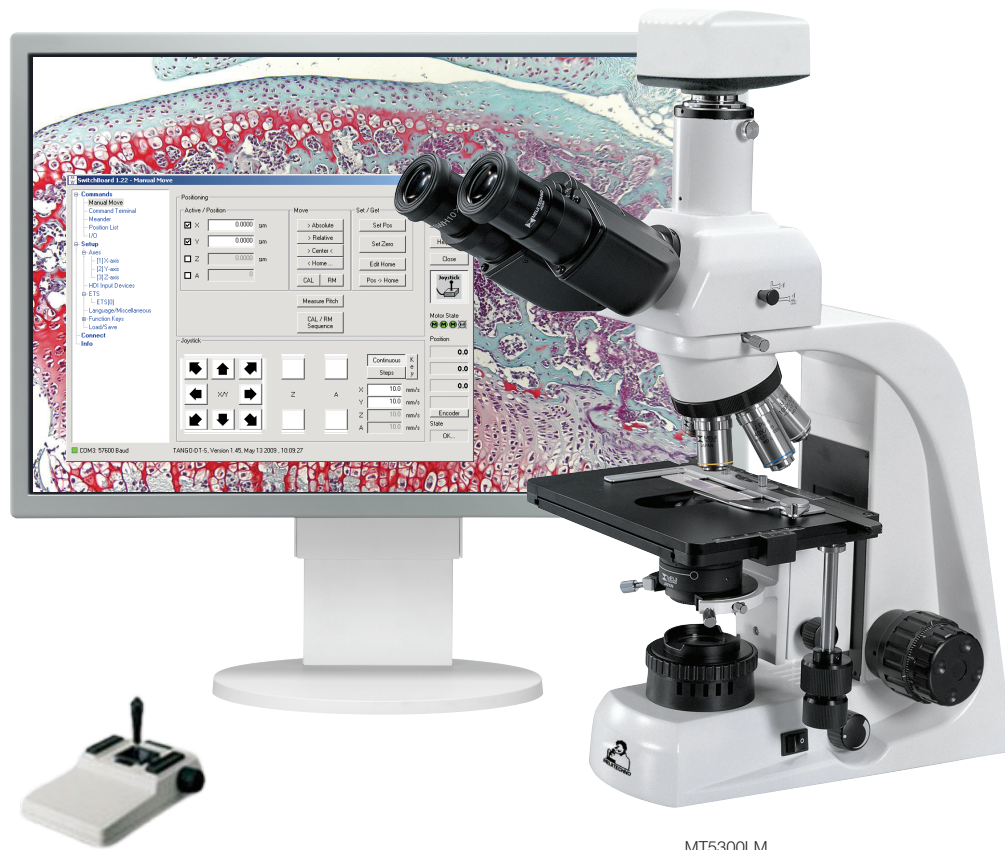
Key advantages:

- Precise positioning and focusing
- Repeatable results with less operator influence
- Faster image acquisition and analysis



Features

- Motorized stage for biological microscope, 2 or 3 levels, 75×30 mm
- Automated focus control (Z-movement)
- ICOS™ (Infinity Corrected Optical System) with advanced optics
- Widefield high eyepoint eyepieces 10x, F.N. 20 (standard)
- Ergonomic revolving nosepiece for 5 objectives to change magnification
- New advanced Planachromat infinity corrected objectives
- Koehler illumination 6 V, 30 W high-brightness LED or halogen transmitted light illuminator
- Built-in power supply with automatic voltage detection
- Abbe condenser
- Various filters and accessories
- Research methods include brightfield, darkfield and polarized light
- Photo and video documentation



MT5300LM

Features

- Motorized stage for biological microscope, 2 or 3 levels, 75×30 mm
- Automated focus control (Z-movement)
- Mechanical stage and focus control
- ICOS™ (Infinity Corrected Optical System) with advanced optics
- Super widefield high eyepoint eyepieces 10x, F.N. 22 (standard)
- Ergonomic revolving nosepiece for 5 objectives to change magnification
- New advanced Planachromat infinity corrected objectives
- Koehler illumination 6 V, 30 W high-brightness LED or halogen transmitted light illuminator
- Built-in power supply with automatic voltage detection
- Abbe condenser or universal Zernike phase contrast condenser
- Various filters and accessories
- Research methods include brightfield, darkfield, phase contrast, and polarized light
- Photo and video documentation



MT6300CLM

Features

- Motorized stage for biological microscope, 2 or 3 levels, 75×30 mm
- Automated focus control (Z-movement)
- Mechanical stage and focus control
- ICOS™ (Infinity Corrected Optical System) with advanced optics
- Super widefield high eyepoint eyepieces 10x, F.N. 22 (standard)
- Ergonomic revolving nosepiece for 5 objectives to change magnification
- New advanced Plan Semi Apo infinity corrected objectives for fluorescence methods
- Fluorescence module: fluorescence reflected light illuminator with a mount for six fluorescent filter sets
- Basic blue, green and U stimulating filter blocks (supplied with all MT6000 models)
- Lamphouse for CoolLED lamp
- Koehler illumination reflected CoolLED lamp and 6 V, 30 W halogen transmitted light illuminator
- Abbe condenser or universal Zernike phase contrast condenser
- Various filters and accessories
- Research methods include fluorescence, brightfield
- Photo and video documentation



Features

- Motorized stage for metallurgical microscope, 2 or 3 levels, 75×30 mm
- Automated focus control (Z-movement)
- Mechanical stage and focus control
- ICOS™ (Infinity Corrected Optical System) with advanced optics
- Super widefield eyepieces 10x (for spectacle wearers), 20 mm linear field
- Revolving quadruple nosepiece for 4 objectives
- Reflexless Planachromat Epi brightfield/darkfield objectives: BD 5x, BD 10x, BD 20x, BD 50x
- Reflected Koehler illuminator with halogen light source (12 V, 50 W)
- Transmitted Koehler illuminator with halogen light source (6 V, 30 W)
- Power supply with automatic voltage detection and brightness adjustment
- Abbe condenser or universal Zernike phase contrast condenser
- Various filters and accessories
- Research methods include reflected and transmitted light, brightfield, darkfield and polarization
- Photo and video documentation



IM7200M

Features

- Motorized scanning stage for metallurgical microscope, 3 levels
- Automated focus control (Z-movement)
- Mechanical stage and focus control
- ICOS™ (Infinity Corrected Optical System with tube lens: F=200 mm) with advanced optics
- Super widefield eyepieces 10x (for spectacle wearers), 20 mm linear field
- Revolving quintuple nosepiece for 5 objectives tilting to the left
- Reflexless objective Planachromat: E5x, E10x, E20x, E50x, and E100x (optional)
- Vertical Koehler illuminator with halogen light source (6V, 30W)
- Power supply with automatic voltage detection and brightness adjustment
- Various filters and accessories
- Research methods include reflected light, brightfield, and polarization
- Photo and video documentation

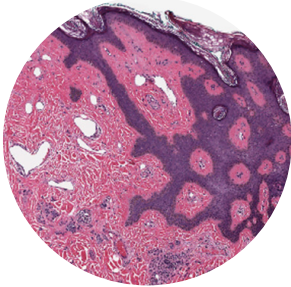


IM7530M

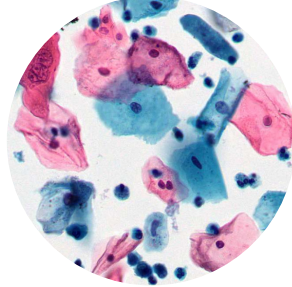
Features

- Motorized scanning stage for metallurgical microscope, 3 levels
- Automated focus control (Z-movement)
- Mechanical stage and focus control
- ICOS™ (Infinity Corrected Optical System with tube lens: F=200 mm) with advanced optics
- Super widefield eyepieces 10x (for spectacle wearers), 22 mm linear field
- Revolving quintuple nosepiece for 5 objectives tilting to the left
- Reflective planachromatic objectives Planachromat Epi BD: 5x, 10x, 20x, 50x, Planachromat Epi LWD BD 50x (with extended working distance)
- Vertical Koehler illuminator with halogen light source (12V, 50W) or LED
- Power supply with automatic voltage detection and brightness adjustment
- Various filters and accessories
- Research methods include reflected light, brightfield, and polarization
- Photo and video documentation

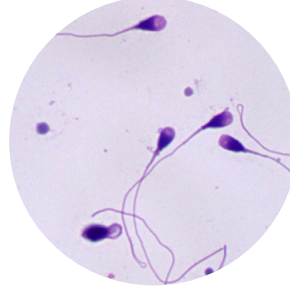
Software development



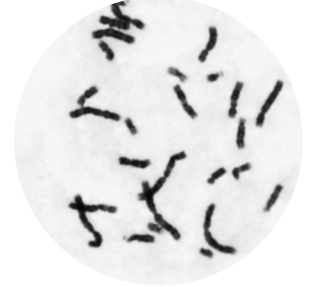
Virtual Microscopy



Digital Pathology

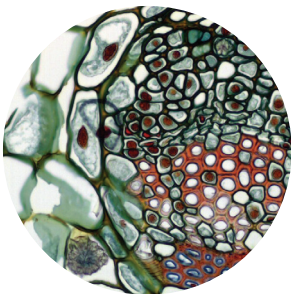


Live Cell Imaging

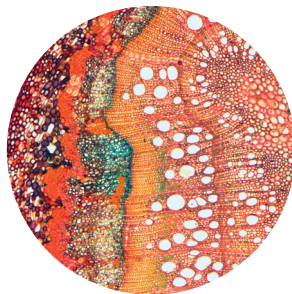


Chromosome
Karyotyping

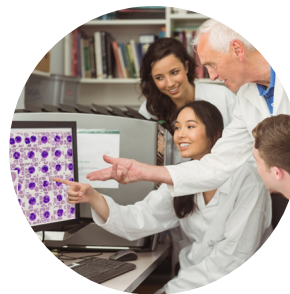
Research & Education



Botany



Environmental
Studies

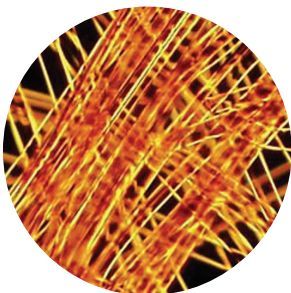


Education



Remote
Consultation

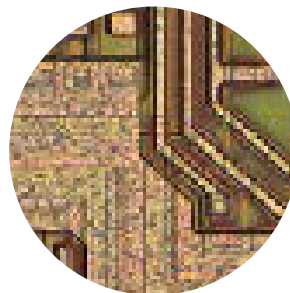
Industry



Chemical Industry



Quality Control



Industrial
Inspection



Industrial
Measurement

MT5000/DSS 1

Successive slide loading by operator

- Loading 1 slide
- Creating virtual sample
- Focus: automatic, extended, range
- Plan Apochromat objectives
- Immersion scanning with high definition (optional)

MT5000/DSS 4

Multiple slide loading by operator

- Simultaneous loading 4 slides
- Creating virtual sample
- Focus: automatic, extended, range
- Plan Apochromat objectives
- Immersion scanning with high definition (optional)

MEIJITECHNO



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
meiji@meijitechno.co.jp
www.meijitechno.co.jp



MEIJI TECHNO AMERICA

591 Division St., Campbell CA 95008
Toll free USA: 800-832-0060
tel.: 408-226-3454
fax: 408-226-0900
admin@meijitechno.com
www.meijitechno.com



MEIJI TECHNO EUROPE

Brown-Boveri-Straße 6, B17-1
2351 Wiener Neudorf, Austria
tel.: +43 (0) 2236 892465
fax: +43 (0) 2236 892464
info@meijitechno-europe.com
www.meijitechno-europe.com



MEIJI TECHNO UK, LTD.

Meiji Techno UK Limited,
The Vineyard, Axbridge
BS26 2AW, SOMERSET
tel.: 01934 733655
enquiries@meijitechno.co.uk
www.meijitechno.co.uk

| www.meijitechno.com |

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