

Motic®

MORE THAN MICROSCOPY

SWIFTLINE

COVERING A WIDE RANGE OF BASIC
MICROSCOPY SOLUTIONS



SWIFTLINE

SwiftLine is an innovative series, upholding Motic's long tradition as a global manufacturer of high quality microscopes and digital imaging equipment. By creating versatile, high value product ranges like Motic SwiftLine, Motic aims to empower students, teaching professionals, and scientists to reach new heights of professional achievement and scientific advancement.

The SwiftLine offers a wide range of powerful compound and stereo microscopes ready for digital image transfer, equipped for modern interactive teaching.



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M100 SERIES

UNPARALLELED DURABILITY, STUDENT-PROOF FEATURES & GREAT PERFORMANCE:

THE M100 MODELS ARE IDEAL FOR BASIC EDUCATION UP TO HIGH SCHOOL LEVEL

The cordless LED illumination achieves a homogeneous image background and good contrast without the need of a power cable. The minimized heat development facilitates the examination of living samples in biology. User friendly built-in carrying handle allows easy storage and transport in the classroom.

ERGONOMIC AND “STUDENT-PROOF” DESIGN

CORDLESS LED ILLUMINATION

BUILT-IN CARRYING HANDLE

LED BATTERY LEVEL INDICATOR



M100



M120

M100 SERIES I SPECIFICATIONS



M100



M120

► Main differences between models

Optical System		
Finite optical system, 160mm	▲	▲
Observation Tube		
Monocular	▲	▲
Inclination		
30° inclined, 360° rotating	▲	▲
Eyepieces		
WF10X/18mm with Pointmaster reticle, lockable	▲	▲
Nosepiece		
Reversed quadruple revolving nosepiece with click stops	▲	▲
Achromatic Objectives (DIN) - Lockable		
4X/0.10, 10X/0.25, 40X/0.65/S	▲	▲
Stage		
Plain stage with “one-touch” sample holder	▲	
Built-in low position coaxial mechanical stage with sample holder		▲
Stage size		
140x120mm	▲	
140x140mm		▲
Travel range X&Y		
75x50mm		▲
Condenser		
Built-in 0,65 N.A. with iris diaphragm and frosted filter	▲	
Spiral mounted Abbe 1,25 N.A. with iris diaphragm		▲
Focus mechanism		
Separate coarse and fine focusing system	▲	▲
Minimum Fine focus precision		
2 µm	▲	▲
Z-axis movement		
7mm	▲	▲
Illumination		
Rechargeable incident and transmitted LED illumination, 20mA, 3.5V, 70mW with intensity control	▲	▲
Dimensions LxWxH		
234x151x346mm	▲	▲
Weight		
5.0kg	▲	
5.1kg		▲

M150 SERIES

MICROSCOPES FOR HIGH SCHOOL EDUCATION. INFINITY OPTICS. UPGRADABLE TO DIGITAL MICROSCOPY.

The M150 model offers Infinity optics for higher optical demands. Coaxial focusing, binocular viewing, coaxial mechanical stage:

Comfortable binocular viewing with a FOV of 20mm, with trinocular option for digital imaging solutions. The line-up offers various adoptions of digital imaging to meet your needs, with included C-mount adapter or a built-in camera (M150D).

BINOCULAR VIEWING WITH FOV 20

INFINITY PLAN ACHROMATS

COAXIAL FOCUS DRIVE

DIGITAL PORTS AVAILABLE



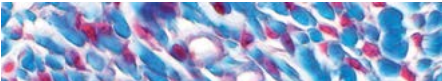
M150B



M150T



M150D



M150 SERIES | SPECIFICATIONS



M150B



M150T



M150D

► Main differences between models

Optical System			
Infinite optical system	▲	▲	▲
Observation Tube			
Binocular Siedentopf type	▲		
Trinocular Siedentopf type		▲	
Binocular Siedentopf type with built-in digital camera			▲
Inclination			
30° inclined, 360° rotating	▲	▲	▲
Built-in Digital Camera			
Camera System: 10MP for capture image & 5MP - live image			▲
Output: USB 2.0			▲
Software Apps available			▲
Camera adapter			
0,4X C-Mount adapter		▲	
Interpupillary distance			
55-75mm	▲	▲	▲
Dioptr adjustment			
On the left tube, +/- 5 diopter	▲	▲	▲
Eyepieces			
WF10X/20mm	▲	▲	▲
Nosepiece			
Reversed quadruple revolving nosepiece with click stops	▲	▲	▲
Infinity Plan Achromatic Objectives			
4X/0.10, 10X/0.25, 40X/0.65/S, 100X/1.25/S/Oil	▲	▲	▲
Stage			
Built-in low position coaxial mechanical stage with sample holder	▲	▲	▲
Stage size			
140mm x 140mm	▲	▲	▲
Travel range X&Y			
77 x 50mm	▲	▲	▲
Condenser			
Spiral mounted 1.25 N.A. Abbe condenser with iris diaphragm	▲	▲	▲
Focus mechanism			
Coaxial coarse and fine focusing system	▲	▲	▲
Minimum Fine focus precision			
2 µm	▲	▲	▲
Illumination			
Rechargeable LED illumination, 0,5W with intensity control	▲	▲	▲
Dimensions LxWxH			
310x173x365mm	▲	▲	▲
Weight			
5.0kg	▲	▲	
5.2kg			▲

M200 SERIES

MICROSCOPES FOR TERTIARY EDUCATION AND LABS. EASY UPGRADE WITH CONTRAST METHODS. INFINITY OPTICS.

The M200 Series can be used for different contrast methods, easily performed by using optional accessories. Additional Phase contrast or Dark-field Slider & powered by a Fixed Koehler 3W LED light source ensures professional and repeatable image quality results.

The line-up offers various adoptions of digital imaging to meet your needs, with included C-mount adapter or a built-in camera (M200D).

FIXED KOEHLER 3W LED ILLUMINATION

CONDENSER WITH SLOT FOR PHASE CONTRAST AND DARK-FIELD SLIDER

COAXIAL FOCUSING SYSTEM WITH TENSION ADJUSTMENT



M200B



M200T



M200D

M200 SERIES I SPECIFICATIONS



M200B



M200T



M200D

► Main differences between models

Optical System			
Infinite optical system	▲	▲	▲
Observation Tube			
Binocular Siedentopf type	▲		
Trinocular Siedentopf type		▲	
Binocular Siedentopf type with built-in digital camera			▲
Inclination			
30° inclined, 360° rotating	▲	▲	▲
Built-in Digital Camera			
Camera System: 10MP for capture image & 5MP - live image			▲
Output: USB 2.0			▲
Software Apps available			▲
Camera adapter			
0,4X C-Mount adapter		▲	
Interpupillary distance			
55-75mm	▲	▲	▲
Dioptr adjustment			
On the left tube, +/- 5 diopter	▲	▲	▲
Eyepieces			
WF10X/20mm	▲	▲	▲
Nosepiece			
Reversed quadruple revolving nosepiece with click stops	▲	▲	▲
Infinity Plan Achromatic Objectives			
4X/0.10, 10X/0.25, 40X/0.65/S, 100X/1.25/S/Oil	▲	▲	▲
Stage			
Built-in low position coaxial mechanical stage with sample holder	▲	▲	▲
Stage size			
140mm x 140mm	▲	▲	▲
Travel range X&Y			
77 x 50mm	▲	▲	▲
Condenser			
Rack & pinion focusable 1.25 N.A. Abbe condenser with iris diaphragm	▲	▲	▲
Focus mechanism			
Coaxial coarse and fine focusing system	▲	▲	▲
Minimum Fine focus precision			
2 µm	▲	▲	▲
Illumination			
Fixed Koehler LED illumination, 3W with intensity control	▲	▲	▲
Dimensions LxWxH			
390x185x380mm	▲	▲	▲
Weight			
6.0kg	▲	▲	
6.3kg			▲

M230 SERIES

PROFESSIONAL MICRSOSCOPE WITH FEATURES FOR ADVANCED APPLICATION

The M230 is truly for the highest expectations in optical excellence. With the Full Koehler LED and N-EC Plan Achromat Objectives it includes all the features needed for a completely robust microscope in a clinical setting.

As with the M200 line-up, the M230 line-up also has complete set of optional accessories for Contrast methods, as well as the trinocular and built-in camera range for digital microscopy.

FULL KOEHLER 3W LED ILLUMINATION

HIGHEST GRADE OBJECTIVES

22mm FOV EYEPIECE



M230-B



M230-T



M230-D

M230 SERIES I SPECIFICATIONS



M230-B

M230-T

M230-D

► Main differences between models

Optical System			
Infinity optical system	▲	▲	▲
Observation Tube			
Binocular Siedentopf type	▲		▲
Trinocular Siedentopf type		▲	
Inclination			
30° inclined, 360° rotating	▲	▲	▲
Built-in Digital Camera			
Camera System: 20MP for capture image & 5MP - live image			▲
Output: USB 2.0			▲
Software Apps available			▲
Interpupillary distance			
48~75 mm	▲	▲	▲
Diopter adjustment			
On both eyepiece, +/-5 diopter	▲	▲	▲
Eyepiece			
10X/22mm(Standard) ; 10X/23 mm optional	▲	▲	▲
Nosepiece			
Reversed quadruple revolving nosepiece(Standard)	▲	▲	▲
Reversed quintuple revolving nosepiece(Optional)			
Infinity Plan Objective			
4X/0.1 10X/0.25 40X/0.65(Spring) 100X/1.25 (Spring, oil)	▲	▲	▲
Stage			
Rackless mechanical stage	▲	▲	▲
Stage size			
183mm x 143mm	▲	▲	▲
Mechanical stage X&Y range			
76mm x 40mm	▲	▲	▲
Condenser			
Rack and pinion focusable 1.25 N.A. Abbe condenser with iris diaphragm & expansion slot	▲	▲	▲
Focus mechanism			
Coaxial coarse and fine focusing system with tension adjustment	▲	▲	▲
Minimum Fine focus precision			
2µm	▲	▲	▲
Z-axis movement			
22mm	▲	▲	▲
Illumination			
Full Koehler LED illumination, 3W with intensity control	▲	▲	▲

T-30 SERIES

STEREO MICROSCOPES, PERFECT FOR PROFESSIONAL & HOBBYISTS

The SWIFTLINE T-30 Series represents basic stereo microscopes with an astonishing optical performance. Choose between a magnification changer setup and a zoom system for an extra ease of use.

The illumination is suitable for opaque and transparent samples. Integrated diopter compensation allows for a relaxed viewing. The built-in carrying handle and “cordless” power supply ensures a comfortable excursion to outdoor locations.

COMPLETELY PORTABLE

MAGNIFICATION CHANGER OR ZOOM SYSTEM

“ONE-TOUCH” STAGE CLIPS FOR SAMPLE FIXATION



T-30B



T-30S



T-30Z

T-30 SERIES I SPECIFICATIONS



T-30B



T-30S



T-30Z

► Main differences between models

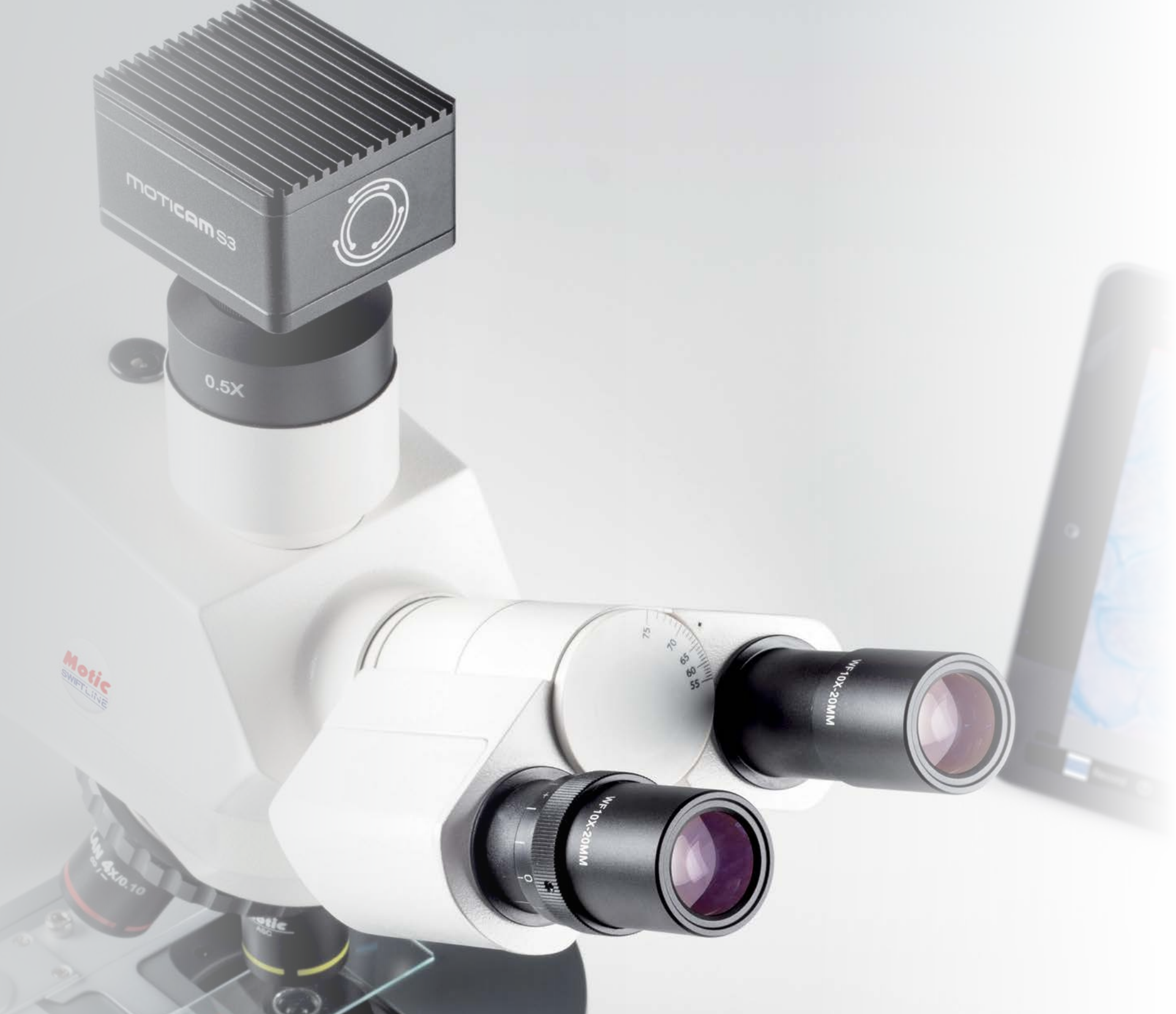
Optical System			
Greenough	▲	▲	▲
Observation Tube			
Binocular	▲	▲	▲
Inclination			
45° inclined, rotating	▲	▲	▲
Interpupillary distance			
49-70mm	▲	▲	▲
Eyepieces			
WF10X/20mm	▲	▲	▲
Diopter adjustment			
On the left eyepiece, +/- 5 diopter	▲	▲	▲
Objectives system			
Turret changer by rotating knob	▲	▲	
Zoom, ratio 3:1			▲
Objectives magnification			
1X , 3X	▲		
2X , 4X		▲	
1X ~ 3X zoom			▲
Working Distance			
68mm			▲
70mm	▲	▲	
Stand			
Fixed arm type stand	▲	▲	▲
Base			
284mm x 187mm	▲	▲	▲
Column/Arm			
231mm high	▲	▲	▲
Head holder			
Fixed	▲	▲	▲
Focus mechanism			
Coarse focusing system with tension adjustment	▲	▲	▲
Focusing stroke			
50mm	▲	▲	▲
Incident illumination (Turret and Arm)			
Rechargeable LED 3.5V/150mA with intensity control	▲	▲	▲
Transmitted illumination			
Rechargeable LED 3.5V/150mA with intensity control	▲	▲	▲
Dimensions LxWxH			
284x187x270mm	▲	▲	▲
Weight			
3.5kg	▲	▲	▲

DIGITAL CAMERAS

The Moticam brand is recognized around the world as representing easy to use and adaptable attachable cameras for virtually any microscope. Whether for Educational, Industrial or Clinical use, this new generation of Moticam has a unit for even the most demanding users. Manufactured in our new advanced facilities, each Moticam undergoes strict quality inspections and testing before being sealed, packed and delivered to your door. At Motic, we believe in making quality Digital Microscopy affordable for everyone and we know that you will enjoy our solutions.

For group work in a classroom, the option of image data transfer through Wi-Fi suits perfectly to tablet and smartphone devices. Moticam X3 is the most affordable external camera to send a live image to a maximum of 6 student recipients. An easy way to make teaching more interactive and exciting.

Supported by our own In-House team of Software and Mechanical Engineers, each Moticam has the necessary equipment to help you turn your images into knowledge.



sCMOS CAMERAS



HD CAMERAS



Wi-Fi CAMERAS

ACCESSORIES



M100 SERIES

Spare parts

- Dust cover
- Immersion oil 5ml
- Aluminium box



M150 SERIES

Spare parts

- Dust cover
- Immersion oil 5ml
- Aluminium box



M200/230 SERIES

Spare parts

- Eyecup (unit)
- Dust cover (size C)
- Immersion oil 5ml
- Aluminium box



T-30 SERIES

Spare parts

- White stage plate, Ø80mm
- Black stage plate, Ø80mm
- Frosted stage plate, Ø80mm
- Dust cover (size C)
- Eyecup (unit)
- Aluminium box



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Official Distributor: