



Swift Life Sciences Catalog

Selected models for Laboratory applications



About Swift

For over fifty years, Swift Optical Instruments has been a global leader in the manufacture and production of quality microscopes. Recently, Swift Optical introduced a new line of digital imaging products designed to meet the ever-increasing, challenging needs of teachers and students.

In the pages that follow, you will find the details of our wide-range of microscopes and digital cameras. Our constant commitment to enduring quality and technical excellence ensures that you are getting the best product for your budget and application.

Each instrument is inspected for quality assurance. Our limited lifetime warranty guarantees that every product is free of defects in materials or workmanship.

We have also included some information that we hope you will find helpful to select the right microscope or digital product for your particular need.

Please contact us for the name of your nearest Swift dealer.



M150 Series Infinity Corrected Compound Microscope

The "NEW" M compound microscope series features infinity corrected optics. Ideal for college laboratories, Veterinary and medical applications. Available with either binocular or trinocular heads, this research level microscope also incorporates a very bright **LED** illumination system and wide field 20mm eyepieces for a very crisp image.



Features:

- Ergonomic Siedentopff head
- Coaxial focusing
- "Feather-touch" sensitivity for extremely precise focusing
- Integrated carry handle
- Built-in low-drive mechanical stage
- Variable, corded, energy-efficient Halogen illumination
- **LED** illumination

M150B

- M150 Coaxial Focusing System For Aprecise Focusing
- Everage-effeicient Variable Led Illumination
- Built-in Carrying Handle

Specifications:

Optical System	Color Corrected infinity optical system
Observation Tube	Widefield binocular 30° [F.N.20]
	Widefield binocular 30° [F.N.20] - light distribution 20:80
Nosepiece	Reversed Quadruple
Objectives	Infinity Plan 4x,WD:20mm
	Infinity Plan 10X,WD:6.36mm
	Infinity Plan 40X (Spring-loaded),WD:0.65mm
	Infinity Plan 100X (Spring-loaded, Oil Imersion),WD:0.15mm
Mechanical Stage	140mm x 140mm, coaxial controls
Condenser	N.A. 1.25 Abbe condenser with Iris diaphragm
Focusing Block	Precision Brass Gears with Coaxial fine and coarse focusing
illumination	Built in transmitted LED illumination



SWIFT150 -Binocular Version

A binocular educational microscope dedicated to school environments. A 0.5W LED light source without heat development provides safe illumination. Simple to use, easy to store by the carrying handle, the coaxial coarse and fine focus introduces professional handling, while the rechargeable battery pack allows cordless usage without mains supply.

SWIFT150B Specification Details	
Optical system	Infinity optical system
Observation tube	Binocular head, Siedentopf type
Inclination	
Interpupillary distance	55-75mm
Diopter adjustment	On left tube, +/-5 diopter
Eyepiece(s)	Widefield WF10X/20mm
Nosepiece	Reversed quadruple
Objective classification	Infinity Plan Achromatic, DIN
Objectives	4X/0.10, 10X/0.25, 40X/0.65/S, 100X/1.25/S-Oil
Objective mounting thread	W 4/5"x1/36"(RMS standard)
Stand type	Upright
Stage	Mechanical stage with built-in low position coaxial stage control and sample holder
Stage size	140 X 140mm
Travel range X&Y	77x50mm
Condenser	Spiral mounted Abbe condenser N.A 1.25
Focus mechanism	Coaxial coarse and fine focusing system
Fine focus precision	2µm
Focusing stroke	7mm
Upper limit stop	Upper limit stop preset but adjustable
Filter	Built-in frosted glass
Transmitted illumination	LED 0.5W with intensity control
Transformer	External
Power supply	Charger100-240V or rechargeable batteries(CE)
Accessories included	Dust cover, charger, batteries
Dimensions LxWxH	310x173x365mm
Weight Net	6kg

For more information about specific products, consult our website or contact your Swift Dealer.
For complete details, accessories and specifications, visit our website at
www.swiftoptical.com