



M3-F COMPARISON SCOPE

Unique multi-purpose microscope.

If you only need one scope, this is the one.

THANK YOU FOR YOUR PURCHASE





M3-F Quick Start Guide

Thank you for purchasing the Swift M3-F Comparison Microscope.

This kit will allow you to observe both Micro (Prepared Slides) and Macro (Bullets, Minerals, Insects, ...) and compare them in one microscope.

The system consists of the following elements:

Two Swift M3 Micro/Macro Scope bodies with 4x, 10x, 40x Micro objectives and a dedicated 2x Macro Objective. The macro objective can be easily identified by its black color. The illumination is switched on by turning the illumination wheel on the bottom left of the scope. This also adjusts the intensity. Top or Bottom light can be chosen by a switch on the back arm of each scope.



One M3-F Comparison bridge. This bridge acts as a director of light paths from the two M3 bodies towards the head.

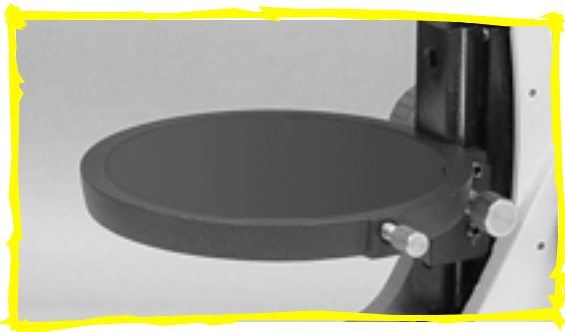
One Trinocular Head with WF10X/18mm eyepieces and a diopter on the left eyetube. The trinocular head has a beam-splitter built-in directing light onto an optional c-mount camera. Please note that if you wish to use a c-mount camera, please specify to us what kind of camera or what the chip size of the camera is. We will be able to then provide you with the proper magnification for the c-mount adapter.



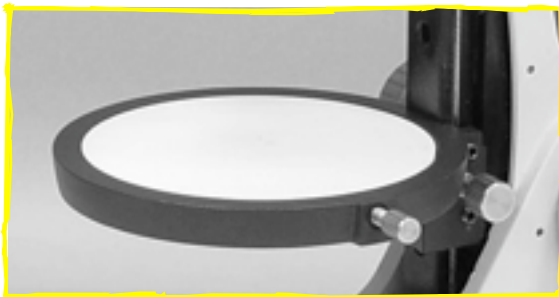


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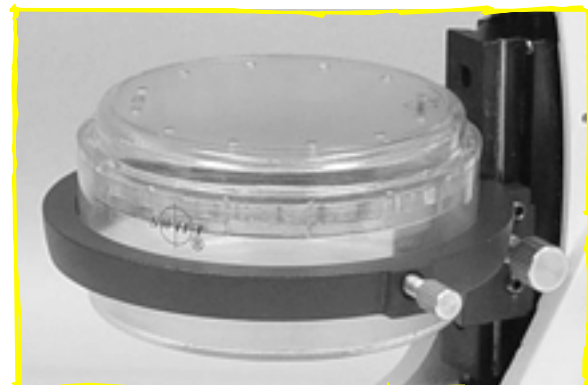
Two floating stage elements with stage clips. These stages are used to carry prepared slides, there is a substage condenser already built in. These stages are easy to use as they feature the “one-touch” stage clip release and also a “floating” stage movement mechanism. These stages can be removed and replaced with the other stage inserts mentioned below.



Two sets of black / white stage plates. These stage plates are useful when looking at minerals or insects and you would like to have either a white or a black background for better contrast.



Two sets of well-cups with lid. These can be used to house even larger specimens such as rocks or even live specimens.



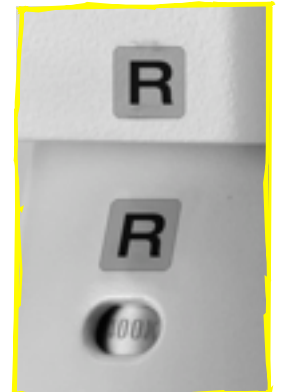


M3-F Quick Start Guide

Using the Comparison Bridge



The Bridge attaches to the top of the two M3 scope bodies. Please ensure that you align the stickers on the front of the scope with the stickers on the front of the bridge and that you use the left and right body in the proper place.



You can use the allen key to tighten the bridge onto the two microscope bodies by tightening the screw on the top right side of each M3. Even after you have tightened these screws, please do not pickup the unit by holding the bridge. If you need to move the unit from place to place, please pick it up by holding the blue hand grips on the back of each M3 body.



Next, mount the trinocular head onto the top middle of the comparison bridge and tighten the corresponding allen key on the front of the bridge.



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Using the Comparison Bridge



On the front of the microscope, you will see two knobs marked “OPEN” and “CLOSE”. These two knobs will regulate the light flow from the left and the right microscope.

For example, if you wish to only look at the image of the left microscope, then turn the left knob to OPEN and the right knob to CLOSE.

For viewing only the image of the right microscope, turn the left knob to CLOSE and the right knob to OPEN.





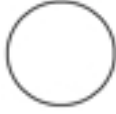
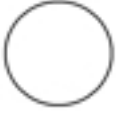
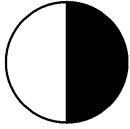
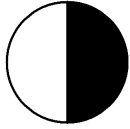
On the top of the microscope you will find two more buttons each marked with an empty circle and a circle that is half covered. These knobs will allow you to regulate whether you wish to look at a side-by-side comparison (circle half full) or an optical overlay comparison (empty circle) when comparing the images from the two microscopes.





M3-F Quick Start Guide

The following table will give you quick shortcuts

I want to see:	Front Left Knob	Front Right Knob	Top Left Knob	Top Right Knob
Only the image from the Right Microscope	CLOSE	OPEN		
Only the image from the Left Microscope	OPEN	CLOSE		
The images from the Left and the Right Microscopes in a Side-By-Side Comparison	OPEN	OPEN		
The images from the Left and the Right Microscopes in an Optical Overlay Comparison	OPEN	OPEN	