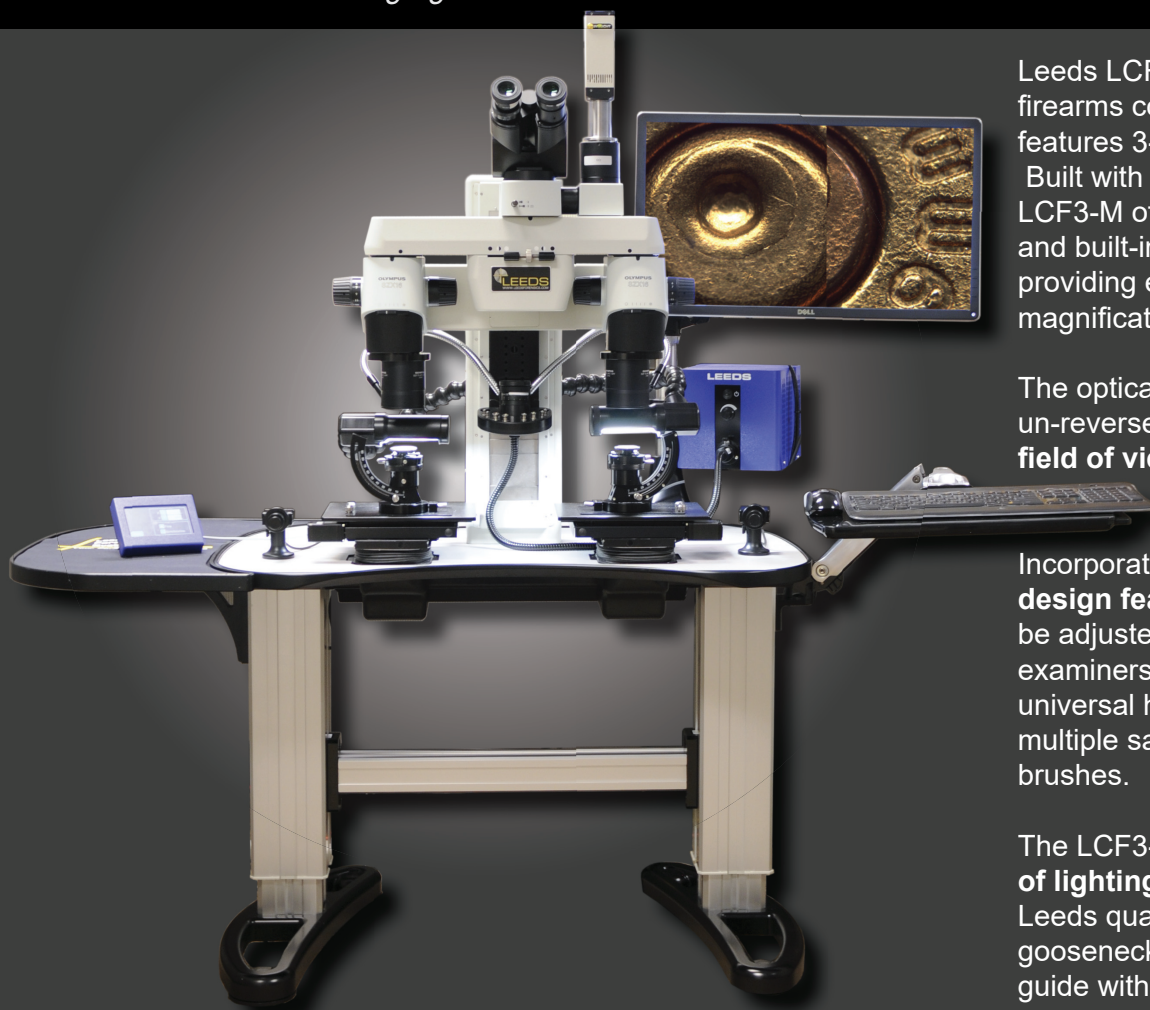


# LCF3-Motorized Comparison Microscope



Leeds LCF3-Motorized (LCF3-M) firearms comparison microscope features 3-axis motorized stages. Built with Olympus optics, the LCF3-M offers a 16:1 zoom ratio and built-in aperture diaphragms, providing examiners with 14 matched magnification positions to choose from.

The optical bridge produces an erect, un-reversed image with a **large 22mm field of view**.

Incorporating several **ergonomic design features**, the LCF3-M can be adjusted to meet the needs of examiners at various heights. Leeds universal holders eliminate the need for multiple sample holders and accessory brushes.

The LCF3-M offers an **assortment of lighting options** -- including Leeds quad lamp fluorescent lighting, gooseneck bifurcated fiber optic light guide with spot lens, or Leeds LED Cube Illuminator fiber optic light source.



Designed with two 9" x 7" freestanding platform stages, the LCF3-M allows an examiner to easily access the work area from all sides, accommodating larger articles of evidence for analysis.

The LCF3-M stages can be controlled with one of the three optional controllers:



Leeds HID controller



Trackball Mouse



3D Mouse

## LCF3-Motorized Specifications

Objective	1.0x*	0.5x	1.6x
Zoom Range	6 - 102x	3.0 - 51x	9.6 - 163.2x
Working Distance (mm)	60	70.5	30
.	0.15	0.075	0.24
* 1x objective is most commonly used for zoom range			
Matched magnification positions with 1x objective	6, 7, 9, 11, 14, 18, 22, 28, 36, 45, 56, 71, 89, 102x		
Zoom Ratio	16:1		
Field Number (mm)	22		
Stage Movement & Universal Holder	X-axis (mm)	95	
	Y-axis (mm)	95	
	Z-axis (mm)	42	
	Axial Slope	90°	
	Axial Rotation	360°	
	Base Rotation	360°	
	Stage Size (mm)	177 x 228	
Universal Holder	Outside Diameter	0.030 - 0.78"	
	Inside Diameter	0.36 - 1.12"	
Micrometer Range	Range	0 - 3"/0-75mm	
	Resolution	0.0005"/0.01mm	
Table Dimensions	Height (Standard Leg)	26" - 38"	
	Height (Short Leg)	24" - 34"	
	Width	35.5"	
	Depth	24"	
	Footprint	35.5" x 24"	
Station Column Z-Axis Travel		6"	
Electrical Requirements	Voltage	100 - 240 VAC	
	Current (max)	15 A	
	Frequency	50 - 60 Hz	



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