LCF3-Motorized Comparison Microscope

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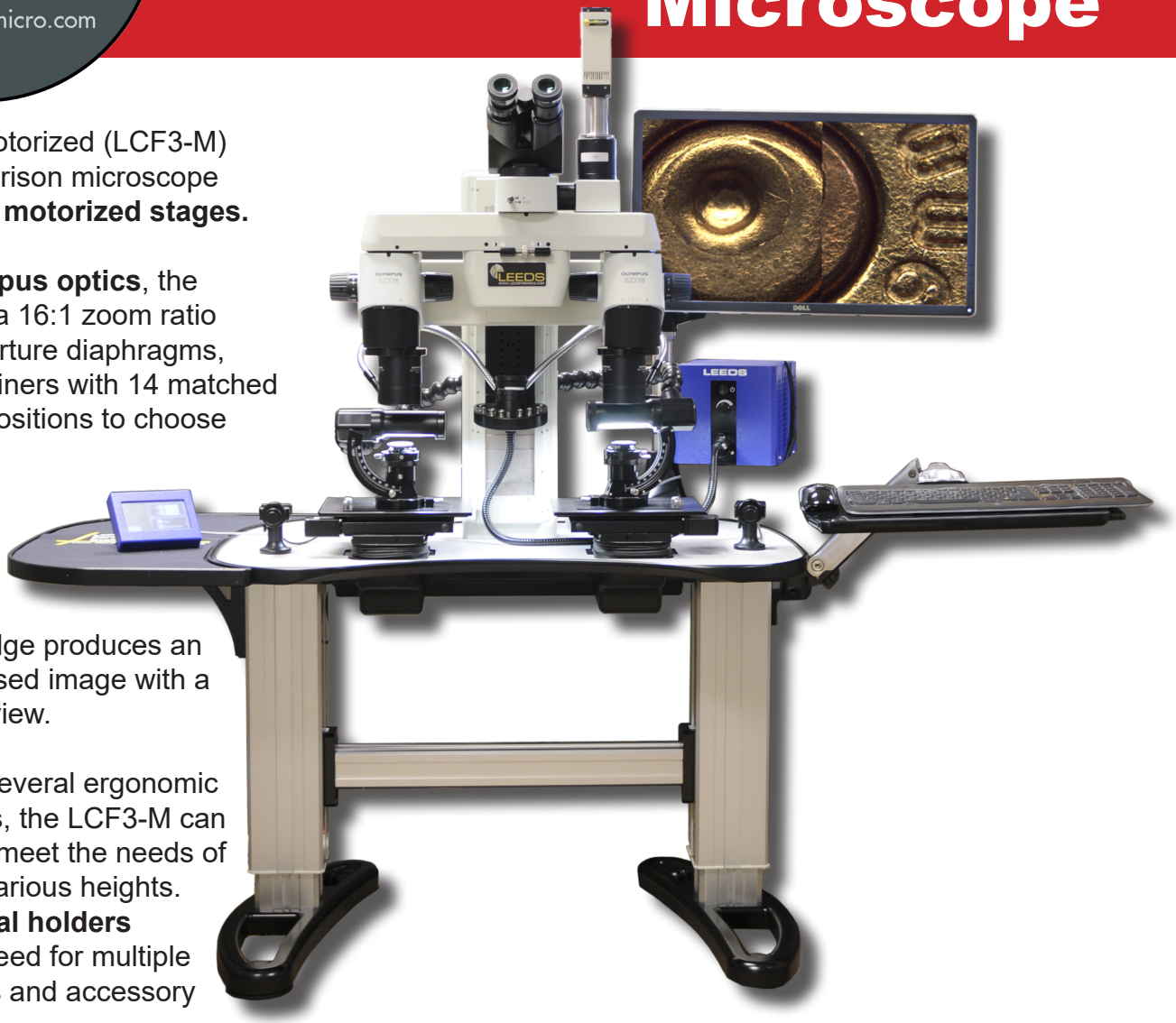
Leeds LCF3-Motorized (LCF3-M) firearms comparison microscope features **3-axis motorized stages.**

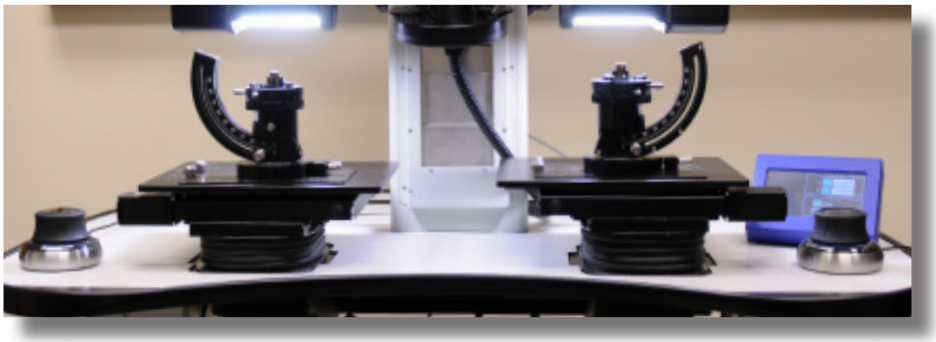
Built with **Olympus optics**, the LCF3-M offers a 16:1 zoom ratio and built-in aperture diaphragms, providing examiners with 14 matched magnification positions to choose



The optical bridge produces an erect, un-reversed image with a 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 your choice of the optional controllers:

Leeds HID controller

Trackball Mouse

3D Mouse

LCF3-Motorized Specifications

Objective Zoom Range Working Distance (mm) .	1.0x* 6 - 102x 60 0.15	0.5x 3.0 - 51x 70.5 0.075	1.6x 9.6 - 163.2x 30 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) Y-axis (mm) Z-axis (mm) Axial Slope Axial Rotation Base Rotation Stage Size (mm)		95 95 42 90° 360° 360° 177 x 228
Universal Holder	Outside Diameter Inside Diameter		0.030 - 0.78” 0.36 - 1.12”
Micrometer Range	Range Resolution		0 - 3”/0-75mm 0.0005”/0.01mm
Table Dimensions	Height (Standard Leg) Height (Short Leg) Width Depth Footprint		26” - 38” 24” - 34” 35.5” 24” 35.5” x 24”
Station Coumn Z-Axis Travel			6”
Electrical Requirements	Voltage Current (max) Frequency		100 - 240 VAC 15 A 50 - 60 Hz

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