

MACH MINI FUSION

3 IN 1 SCANNING WORKSTATION



Introducing the MACH Mini Fusion, a 3-in-1 scanning workstation designed to save space, reduce operator burden and boost productivity. Combining the Crowley MACH Mini Fiche and Crowley MACH Mini Film scanners, it seamlessly supports roll film, microfiche, and aperture card scanning in one sleek, space-saving system. Ideal for both on-site and off-site workflows, it is uniquely expandable to support simultaneous microfilm and microfiche scanning with the addition of a second PC. Ideal for institutions with limited space and diverse microform collections.

Key Features

Multi-Media Scanning

Scan roll film, microfiche, and aperture cards seamlessly with a single versatile system.

Space Saving Design

Compact stand consolidates equipment into one ergonomic footprint. Ideal for environments with limited space.

Flexible Configuration

Customize your setup with interchangeable positions for the MACH Mini Fiche and MACH Mini Film scanners. Place either component on the top or bottom to best fit your workspace and workflow.

One PC

Runs on a single, non-integrated PC—reducing IT overhead, cabling, and software licenses. Offers easy replacement and setup flexibility.

Streamlined Workflow

Operators can switch between systems instantly without leaving their station. Meaning fewer steps, faster throughput and less operator fatigue.

Dual-System Flexibility

Operate both scanners from a single PC, or separate them into two independent workstations with the addition of a second PC—enabling simultaneous scanning of multiple media formats for enhanced productivity. Perfect for multi-user environments.

Multi-Site Mobility

Easily transport across departments or remote sites to meet shifting digitisation needs.

Integrated Monitor Arm

Adjustable monitor placement reduces operator strain and supports long-term comfort.

Built-In Cable Management

Keep your workstation clean, organized, and easy to maintain with integrated cable routing.

TECHNICAL SPECIFICATIONS

	Microfilm	Microfilm	Microfilm
Scan Speeds	Up to 500 ipm or 4 minutes per 100 ft roll (16 mm film at 200 dpi, 24x reduction)	Up to 130 ppm (24x, 200 dpi) Up to 75 ppm (42x, 200 dpi) Up to 65 ppm (48x, 200dpi)	18 seconds per aperture card
Material Compatibility	16 mm/35 mm microfilm, 100 ft/215 ft/1,000 ft; ANSI clips, M-type cartridges, Kodak Ekamate and open spool	Step and Repeat, Long Jackets, Combination (16 mm/35 mm combo), COM, AB, Dick, Jumbo, Ultra microfiche and Microx	35 mm (single/double)
Material Formats	Simplex/Duplex, Positive/Negative, Silver/Diazo/Vesicular formats; Duplicates and Cine/Comic mode for MACH Mini Fiche only		Positive/Negative

Crowley MACH Mini Film	Crowley MACH Mini Fiche
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Performance

Resolution	100-600 true optical dpi
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Reduction Ratio	4x-96x
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Material Handling	Balanced tension system, Comfort rollers for gentle film transport (no pinch rollers), Electronically controlled film format selection, high speed rewind	Manual
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Image Quality

Camera	Full 8, 192 pixels CCD array	Two-camera system; Main Camera (High-resolution scan sensor, Full 8, 192 pixels); PreScan Camera: Frame mapping sensor, 2,000 pixels
Image Quality		

Bit Depth	Up to 12-bit
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Lighting	Condenser lens light source	Fiber optic LED lighting system
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Image Enhancement	Real-time sharpening and enhancements, Automatic Gain Control
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Power and Safety

Voltage	100-240 V	100-240 V
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Frequency	50-60 Hz
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Max. Consumption	500 W	800 W
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Agency Approvals

FCC, UKCA, CE and RoHs certification

Software**Operating System**

Non-integrated scan controller PC- Windows 11 Pro

Compatible Software

QuantumProcess (multi-language), QuantumOCR, and IMAGEhost;
QuantumScan (multi-language UI) for MACH Mini Film and
FastFiche (multi-language UI) for MACH Mini Fiche

	MACH Mini Film	MACH Mini Fiche	MACH Mini Fusion Stand	MACH Mini Fusion
Dimensions and Weight				
Dimensions (LxWxH)	17 x 16.5 x 7.5 in (431.8 x 419.1 x 190.5 mm)	23.75 x 12.25 x 13 in (603.25 x 311.15 x 33.2 mm)	27.5 x 13.5 x 14 in (698.5 x 342.9 x 355.6 mm)	31 x 13.5 x 35 in (787.4 x 342.9 x 889 mm)
Weight	30 lbs/16.6 kg	38 lbs/17 kg	36 lbs/16.3 kg	104 lbs/47.2 kg



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