

# Mach Mini Film... Mobile. Modular. Miniature. Affordable

### Production Microfilm Scanner





Small in stature and strong in scanning power, the MACH Mini Film offers the best in production-level microfilm scanning technology in one compact, stackable design. Fast and accurate capture. Excellent image quality. Durable hardware. Money-saving efficiency.

The MACH Mini Film uses the industry favorite Mekel Technology Quantum software suite to provide high-quality digital images of archives and records from 16 mm and 35 mm microfilm in 100/215' open spools or 3M cartridges.

"The minimal learning curve and ability to process remotely through Quantam software gave our operator the ability to continue scanning and outputting images even through a pandemic"

~ Chuck Henry, Northern New York Library Network

# Ask about an IMAGEhost FREE TRIAL with any MACH Mini Film purchase

#### **Load and Go Operation**

Simple film loading, scanning and rewinding using an easy transport path and intuitive software.

#### **Quantum Software**

The MACH Mini Film uses the acclaimed Mekel Quantum software suite for precise, accurate front-end capture and extensive editing/output options.

#### **External PC**

An optional external PC drives the scanner for maximum flexibility, efficiency and minimized downtime.

#### **Stackable**

Boasting the smallest footprint of any production microfilm scanner on the market, the space-saving design of the MACH Mini Film allows operators to command multiple scanners at once for increased throughput and greater return on investment.

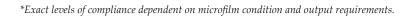
#### Resolution

The MACH Mini Film uses a linearray camera to capture images in up to 600 dpi true optical resolution. Compliant with FADGI, Metamorfoze and ISO standards.\*

#### **Portable**

The economically sized MACH Mini Film can be safely transported in a protective carrying case and is ideal for end-users with multiple branches or projects in different locations.









#### **Increased operator production**

- Scan at full-rated speeds without operator intervention
- Drive multiple MACH Mini microfilm scanners with a single operator
- Share quality assurance tasks with multiple operators

#### Reduce microform scanning costs

- Never search for lost images
- Eliminate the need for rescans

# Guaranteed 100% image capture Optimum image quality

## **Quantum Scan**Advanced Capture Software

- Speed
- ▶ Optimum Resolution
- ➤ Template Options
- ► Image Quality Settings
- Advanced Focus Option
- Pre-Scan Testing
- ► Multiple Ribbon Output Options
- Advanced Frame Detection
- Easy Transfer
- ► Easy Workflow Integration
- ► IMAGEhost Integration



#### Quantum Process

#### **Revolutionary Processing Software**

- Optical Character Recognition (OCR)
- ▶ Batch Processing
- ► Strip Zoom Capability
- ▶ Editing Toolkit
- Automatic Frame Detection
- ► Fixed-Grid Frame Replication
- Blip Removal
- ► Irregular Frame Flag
- Custom Processing
- ► Multiple Output Options
- ► Easy Workflow Integration
- ► Image Enhancement
- ► File-Naming Features
- Auto Split and Book Mode
- ➤ "Go To" Command
- ▶ Re-Detect Frames
- ▶ Blackout Framing
- ▶ Document Separation Tagging

#### TECHNICAL SPECIFICATIONS

Line Array Camera/Optics	<ul> <li>Up to 12-bit dynamic range with gamma correction grayscale output. Full depth of pixels processed.</li> <li>Real-time or post-scan image processing up to 5x the typical processing speed</li> <li>Full 8,192 pixel CCD array for highest true optical dpi in the industry</li> <li>Automatic Gain Control (AGC) to optimize image quality while scanning</li> <li>Condenser lens light source provides balanced lighting across the entire scan area; no hot spots or shadowing</li> </ul>
Resolution	100-600 true optical dpi; 4x-96x reduction ratio
Film Types	16/35 mm microfilm; 100' and 215' roll standard (open spool or optional 3M cartridge); simplex/duplex; positive/negative; silver, diazo and vesicular formats
Scan Speed	Up to 500 IPM; 4 minutes per 100' roll (16 mm film at 200 dpi, 24x reduction)
Hardware Image Enhancement	Real-time image sharpen and enhancement done in hardware; no reduction in throughput
Film Control	Electronically controlled film format selection for precise positioning of the CCD line array camera and lens; high-speed rewind
Image Processing	<ul> <li>Task set-up by job or save in set-up file</li> <li>Single-, double- or triple-level blip code detection</li> <li>Full frame image detection</li> <li>Simultaneous output of grayscale and bitonal files</li> </ul>
IMAGEhost Option	Easily integrate images into Crowley's IMAGEhost platform for online hosting, storage, retrieval, editing and output. The unique full-cycle solution saves collection owners the cost of creating an expensive IT hosting infrastructure by offering a user-friendly platform to text search or browse for images in their original format via any internet-enabled device. Visit hostedarchives.info for details.
File Formats	<ul> <li>Output to single or multi-page TIFF and PDF</li> <li>Output to TIFF (G4/LZW/uncompressed), JPEG, PDF, PDF/A, bitonal CALS type 1 and others</li> <li>OCR output to single/multi-page .PDF, .TXT and HOCR formats</li> </ul>
Hardware Notables	<ul> <li>Industry-leading reliability</li> <li>Compatible with optional external PC and monitor</li> <li>Additional storage options</li> <li>Well-balanced tension system and precisely placed comfort rollers for gentle film transport (avoid the dislodging or separating of brittle film caused by pinch rollers)</li> </ul>
Operating System	Windows 10 and 11 Pro. Visit www.thecrowleycompany.com for full PC specs. External Dell high-end multi-processor, multi-core workstation for maximum uptime and performance
Dimensions (LxWxH)	17 x 16.5 x 7.5 in. (431.8 x 419.1 x 190.5 mm)
Weight	30 lbs/13.6 kg



(024) 7625 4955



www.genusit.com



info@genusit.com



Hammond Close, Nuneaton, Warwickshire, CV11 6RY, United Kingdom

