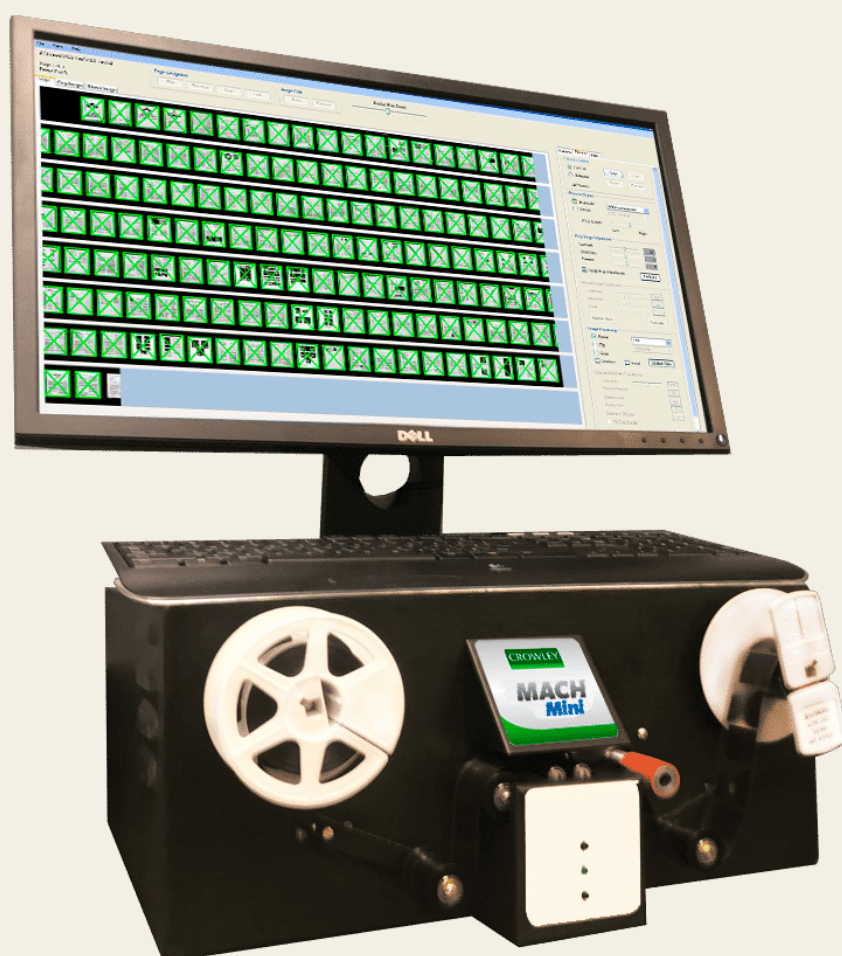# Mach Mini Film

MOBILE. MODULAR. MINIATURE. AFFORDABLE.

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 16mm and 35mm microfilm in 100'/215' open spools or 3M cartridges.

IMAGEhost
Image Retrieval System

Ask about an FREE TRAIL 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.

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 line-array camera to capture images in upto 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.

External PC

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

QuantuM SOFTWARE

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

**Guranteed 100% image capture
Optium image quality**

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

QuantuM SCAN

Advanced Capture Sotware
- 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

TECHNICAL SPECIFICATIONS

Line Array Camera/Optics	- Up to 12-bit dynamic range with gamma correction grayscale output. Full depth of pixels processed. - Real-time or post-scan image processing up to 5x the typical processing speed. - Full 8,192 pixel CCD array for highest true optical dpi in the industry - Automatic Gain Control (AGC) to optimise image quality while scanning. - Condenser lens light source provides balanced lighting across the entire scan; no hot spots or shadowing.
Resolution	100-600 true optical dpi; 4x96x reduction ratio
Film Types	16/35 mm microfilm; 100' and 215' roll standard (open spool or optional 3M catridge); simple/duplex; positive/negetive; silver, diazo and vesicular formats.
Scan Speed	Up to 500 IPM; 4 minutes per 100' roll (16mm film at 200 dpi, 24x reduction)
Hardware Image Enhancement	Real-time image sharpen & 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	- Task set-up by job or save in set-up file - Single-, double-, or triple- level blip code detection - Full frame image detection - Simultaneous output of grayscale and bitonal files

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	- Output to single or multi-page TIFF and PDF - Output to TIFF (G4/LZW/uncompressed), JPEG, PDF, PDF/A, bitonal CALS type 1 and others - OCR output to single/multi-page, .PDF, .TXT and HOCR formats
Hardware Notables	- Industry-leading reliability - Compatible with optional external PC and monitor. - Additional storage options - 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)
Operating System	Windows 10 & 11 Pro. Visit ww.thecrowleycompany.com for full PC specs. External Dell high-end multi-processor, multi-core workstation for maximum uptime and performance.
Dimensions (L×W×H)	17×16.5 ×7.5in. (431.8×419.1×190.5 mm)
Weight	30 lbs/13.6 kg

GENUS