

PRODUCT PREVIEW

CROWLEY



Mobile.
Modular.
Miniature.

MACH Mini

Microfilm Scanner

Small in stature and strong in scanning power, the MACH Mini offers the best in Meikel microfilm scanning technology: fast and accurate capture; excellent image quality; durable hardware and money-saving efficiency...all in one compact design.

The MACH Mini uses the tried and tested Meikel Technology Quantum software to provide high-quality digital images of archives and records from 16mm and 35mm microfilm in 100'/215' rolls.

KEY FEATURES

- **Load and go operation.** An easy film transport path and intuitive software makes loading, scanning and rewinding a quick process.
- **Quantum software.** The MACH Mini uses Meikel Technology's acclaimed Quantum software suite for image capture and processing. QuantumScan offers precise framing technology for accurate front-end capture. QuantumProcess offers a breadth of editing options to meet the exact image and file specifications needed for output.
- **External PC.** MACH Mini scanners operate with an external PC for maximum flexibility and efficiency.
- **Stackable.** The space-saving design of the MACH Mini allows a single operator to command multiple scanners at once. The result? Increased throughput and greater return on investment without an increase in the physical footprint.
- **Portable.** The MACH Mini is ideal for end-users with multiple branches or with projects in differing locations. Economically-sized, it can be safely transported commercially or personally in a protective carrying case.

PAIRS WITH IMAGEhost FOR EASY DIGITAL HOSTING

All images scanned using the MACH Mini can upload directly to IMAGEhost, Crowley's microfilm image hosting platform. IMAGEhost provides a cost-effective and easy-to-use interface for digitally viewing microfilm in its original format, editing and saving microfilm images.

IMAGEhost BENEFITS

- **Cost-savings.** IMAGEhost saves users the cost of creating their own IT hosting infrastructure and lowers the man-hours needed for research.
- **Searchable text (OCR).** IMAGEhost offers advanced OCR to make finding images quick and efficient.
- **Ease of use.** Boasting simple operational, editing and saving commands, IMAGEhost works at the touch of a screen, the stroke of a keyboard or the click of a mouse from any internet-enabled device.

IMAGEhost
Image Retrieval System





Automatic Frame Detection
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

Batch Processing
Strip Zoom Capability
Editing Toolkit
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

Increased operator production

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

Reduce microform scanning costs

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

Guaranteed 100% image capture

Optimum image quality

TECHNICAL SPECIFICATIONS

CAMERA/OPTICS

Up to 10-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

80 megapixel/second camera; 160 megapixel second output

Full 8,192 pixel CCD array for highest true optical dpi in the industry

Automatic Gain Control (AGC) to optimize image quality while scanning

Mekel "smoothlight" fiber optic bundle balances lighting across entire scan area; no hot spots or shadowing

RESOLUTION

100-600 true optical dpi; 4x-96x reduction ratio

FILM TYPES

100' and 215' roll standard

16mm/35mm; simplex/duplex; positive/negative

Silver, Diazo and Vesicular formats

TWO SCANNER MODELS

175 ipm: Scans at speeds of 14.5 minutes per 100' roll

350 ipm: Scans at speeds of 7 minutes per 100' roll

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 camera and lens; high-speed rewind

IMAGE PROCESSING

Task set-up by job or saved in set-up file

Single, double or triple level blip code detection

Full frame image detection

Simultaneous output of grayscale and bitonal files

IMAGEhost OUTPUT

Output of full digital rolls available for virtual storage and image retrieval and output

QUANTUM OUTPUT

File types: single/multi-page; bitonal TIFF (G3, G4); JPEG; TIFF uncompressed; PDF compressed (single/multi); JPEG2000; PDF/A and others

HARDWARE NOTABLES

Industry-leading reliability

Includes compatible PC with monitor and 10TB storage

A well-balanced tension system and precisely placed comfort rollers facilitate gentle film transport, avoiding the dislodging or separating of brittle film caused by pinch rollers

TECHNICAL SPECIFICATIONS

Operating System: Windows 10 (64 bit only)

Dimensions: 14.5" L x 16" W x 7.75" H/30 lbs.

"The Quantum processing software is incredible... This is a tremendous competitive advantage for our company."

*Ryan Candela, Project Manager,
Mountain States Imaging*

