

# MACH10 PRO

## PRODUCTION MICROFILM SCANNER

Discover the future of document preservation with our state-of-the-art Mekel MACH10 Pro. Designed for demanding production environments, this powerful scanner merges speed, precision, and unmatched reliability — all in a single, intuitive unit. From FADGI and ISO 19264-1 compliance to advanced handling of fragile film, the MACH10 Pro is built to deliver superior results every time.



### KEY FEATURES

#### Increased Speed

Experience speeds up to 2x faster than previous models—at all resolutions.

#### Vertical Film Transport

Stable and gentle handling of microfilm— especially for aging or brittle reels. With no pinch rollers, the film glides smoothly, minimizing damage during scanning.

#### Precision Hardware

Equipped with highly refined precision lenses, 8- or 12-bit image capture, and a calibrated LED light source.

#### Two-Mode Scanning

Switch effortlessly between high-quality and high-speed scanning modes.

#### Versatile Film Handling

Handles 16 mm and 35 mm microfilm, including 1,000 foot microfilm and 3M/ ANSI/Ektamate cartridges—all as standard.

#### Engineered for Everyday Use

With a durable frame, integrated reel storage, and intuitive controls, this scanner is built for long-term use in demanding environments.

#### Comprehensive Digital Conversion

Convert microfilm to text-searchable PDFs, archival-quality formats, and other imaging standards with ease.

#### First-Pass Image Accuracy

Captures 100% accurate images on the first pass, even from deteriorating or decomposing film—no reloads or rescans necessary.

#### Powerful Software Integration

Compatible with Mekel Technology's Quantum Software Suite—including QuantumScan, QuantumProcess, and QuantumOCR—for advanced capture, enhancement, and OCR. Fully integrates with IMAGEhost for seamless digital access, sharing, and storage.

“ We would have to charge double or triple the price if we were using our former scanners. With the MACH scanners, we require less scanners, less operators and have been able to cut the cost of rescans due to the higher quality images. We are saving hundreds of dollars per day, per operator, since installing the Mekel products.

~ Conversion service manager, West Coast Imaging Bureau

# TECHNICAL SPECIFICATIONS

## Performance

Scan Speeds Up to 2,800 ipm or 55 seconds per roll (24x, 200 dpi, 100 foot roll)

Resolution 100-600 true optical dpi

Reduction Ratio 4x-96x

## Image Quality

Camera CCD Linear Array, Full 8,192 pixels

Bit Depth 8- or 12-bit

Lighting Fiber optic LED lighting system

Image Enhancement Real-time image sharpening and enhancement, Automatic Gain Control and direct imaging path

## Film Handling

Film Compatibility 16 mm/35 mm microfilm, 100 ft/215 ft/1,000 ft  
ANSI clips, M-type cartridges, Kodak Ekamate and open spools

Film Formats Simplex/Duplex, Blip (up to 3-level), Positive/Negative, Silver/Diazo/Vesicular formats

Film Handling Vertical film transport with particle transfer cleaning rollers  
Integrated cartridge adapter  
Two capstan rotation motors  
Film format selection with high-speed rewind

## Power and Safety

Electrical Design Single-phase switch for domestic or international use

Voltage 90-240 V

Frequency 50/60 Hz

Max. Consumption 500 W

Agency Approvals FCC, UKCA and CE certification

## Software

Operating System Non-integrated scan controller PC - Windows 11 Pro

Compatible Software QuantumScan (multi-language UI), QuantumProcess (multi-language UI), QuantumOCR and IMAGEhost

## Dimensions and Weight

Dimensions (LxWxH) 15.5 x 15.5 x 22 in (394 x 394 x 560 mm)

Weight 50 lbs/22.7 kg