

Engineered to continuously advance with the latest technology, the **MACH2+ Universal Film Series** offers a competitively-priced unit for public access and low-volume archival use. Driven by ease-of-use and maximum image clarity, the **MACH2+ UF-Series** simply and efficiently digitizes all film and photographic material formats in a single unit.

Clients worldwide are finding the **MACH2+ UF-Series** to be an ideal replacement or augments for aging and archaic reader/printers.

KEY FEATURES

Designed for Public Use

Walk-up scanner with **sturdy construction**, **customizable interface**, **Kensington lock** security, **whisper-quiet** operation, optional **pay-per-use** interface and **low maintenance** requirements. Ideally suited to library, office and museum applications.

On-demand Multi-format Scanning

Digitizes roll microfilm, microfiche, aperture cards, microcards and photographic slides/negatives with **icon-driven touch-screen interface**

Scan, Print or Save in color, grayscale or bi-tonal

High Resolution USB3 Image Sensor in 10MP or 18MP

Newly developed technology provides full-motion response, eliminating on-screen distortions

Learn-As-You-Go Auto Focus

Increase efficiency as the **MACH2+ UF-Series** learns favorite focus and zoom positions to **speed up image access, review and output**

User-defined Quick Start

Customize start-up settings specific to the type of in-house media for improved efficiency

One-button Instant Capture

Automatically detect and save frames on the film

Flexible Output Options

Save files to local **USB** or **flash drive**; print to **hard copy**; output to **Cloud**, **CD/DVD** (MACH2+/MACH2+ HD) and **email**

Interlibrary Loan (ILL) Compatible

Fully-compatible with ILL document delivery service

Searchable Text (OCR) and Annotation Output

A valuable option on all models

RapidScan Option

Fully-automatic motorized film advance and frame detection for **batch scanning** (standard on the MACH2+/MACH2+ HD)

MACH2+ Universal Film (UF) Series

Scan All Microform Media With A Single Unit



Designed as an uncomplicated device for public and professional use, the **MACH2+**, **MACH2+ LTE** and **MACH2+ HD** universal microform scanners simply and efficiently digitize all formats of microfilm as well as photographic materials.



A 4:1 ECONOMY OF SCALE

The MACH2+ UF-Series embodies economy of scale with its ability to **read, scan, print, email** and **save** images from **roll microfilm, microfiche, microcards, aperture cards** and **photographic materials**. Taking the place of four separate scanners and incorporating the production-level technology that has raised Crowley's **Mekel Technology** and **Wicks and Wilson** brands to premier status in the archive industry, the UF-Series design and multiple-use functions create an ideal unit for public access, walk-up patron and light preservation use. Scans in color, grayscale and bi-tonal.

USER EASE

- Single cable connectivity
- Simple touchscreen commands
- Excellent image quality
- Fast rewind
- Adjustable roller guides to secure and protect film
- Instant motor stop/start for precision and control
- Magnetic 16/35mm film platen positioning for best image viewing/scanning
- Easily fitted with pay-per-use and follow-me capabilities

TECHNICAL SPECIFICATIONS

| | MACH2+ LTE | MACH2+ | MACH2+ HD |
|------------------------------|--|--|---|
| Compatible film types | Microfiche; jackets; jumbo fiche; ultrafiche; AB Dick; microcards; 16/35mm roll microfilm; cartridge (M-type, C-clip); aperture cards; photographic slides; negatives; 35mm perforated films | | |
| Image sensor | 10MP high-resolution area array with real-time on-screen view | | 18MP ultra-high resolution active pixel sensor array with real-time onscreen view |
| Lens Optics | Production-level, high-end customized lens developed specifically for microform clarity | | |
| Capture mode | Grayscale or bi-tonal | Color, grayscale or bi-tonal | |
| Capture time | 1/3 second per image | | |
| Reduction ratio | 7x to 60x | 7x to 105x | |
| Maximum scan area | 35 x 47/ 1.38 x 1.85 inches (on film) | | |
| Output resolution | 100-2400 dpi | | |
| Output options | Scan to file, network, USB, print, email, Cloud, Google Docs | Scan to CD/DVD, file, network, USB, print, email, Cloud, Google Docs | |
| Focus adjustment | Automatic and manual | | |
| Sensor optimization | Included; fully adjustable optical image rotation | | |
| Zoom adjustment | Motorized (optical) and digital | | |
| File formats | TIFF (raw, compressed, single or multi); PDF (single, multi-page); JPEG; JPEG 2000; BMP; GIF; PNG | | |
| Integrated USB output | Two built in USB ports (with backwards compatibility) | | |
| Standard features | Touch-screen; manual and motorized roll film pods; smart edit | | |
| | | Opaque microcard LED, 3M adapter; RapidScan Batch Scanning | |
| | | | Timed auto-capture for film and fiche |
| Scanner options | Vendor interface kit; OCR; annotation | | |
| | RapidScan batch scanning; 3M adapter; opaque microcard LED; | | |
| Light source | Custom-calibrated, color-compatible LED array | | |
| Security | Integrated Kensington lock slot | | |
| Interface | USB 3.0 | | |
| Operating system | Windows 7 Professional (64 bit only); Windows 8 (64 bit only) Intel Processor; Windows 10 (64 bit only) Intel Processor | | |
| Dimensions (WxDxH) | Base Unit Only: 12in x 20.3 x 9 (304.8 x 515.62 x 228.6mm) With Film Carrier: 17in x 20.3 x 9 (431.8 x 515.62 x 228.6mm) | | |
| Weight | 7.2 kg/16 lbs | | |

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The Crowley Company pursues a policy of continuous product improvement and reserves the right to change these specifications without notice.

Wicks and Wilson is a division of The Crowley Company