MEKEL
Technology
A CROWLEY Company

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Engineered to continuously advance with the latest technology, the **MACH2** UF-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+** to be an ideal replacement or augmenter 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 Camera
Newly developed technology provides full-motion response, eliminating on-screen distortions

Learn-As-You-Go Auto Focus
Increase efficiency as the **MACH2** 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+) and **email**

Interlibrary Loan (ILL) Compatible
Fully-compatible with ILL document delivery service

Searchable Text (OCR) and Annotation Output
A valuable option on the MACH2+ LTE/MACH2+

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

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+** and **MACH2+ LTE** universal microform scanners simply and efficiently digitize all formats of microfilm as well as photographic materials.

The MACH2 Universal Film Scanning Series

High volume technology. Low volume cost.

A 4:1 ECONOMY OF SCALE

The **MACH2 Universal 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+
Compatible film types	Microfiche; jackets; jumbo fiche; ultrafiche; microcards; 16/35mm roll microfilm; cartridge (M-type, C-clip); aperture cards; photographic slides; negatives; 35mm perforated films	
Image sensor	High-resolution area array with real-time on-screen 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	100-600 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-page); PDF (single, multi-page); JPEG; JPEG 2000; BMP; GIF; PNG	
Integrated USB output	Two built-in USB ports*/flash-drive ports (* with backward compatibility)	
Scanner standards	Touch-screen; manual and motorized roll film pods; smart edit	Touch-screen; manual and motorized roll film pods; smart edit; opaque microcard LED; 3M adapter; RapidScan Batch Scanning
Scanner options	RapidScan Batch Scanning; OCR and Annotation; Vendor interface kit; 3M adapter; Opaque microcard LED	Vendor interface kit; OCR and Annotation
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. For the most up-to-date PC specifications, please visit www.wwl.co.uk/uscan-uf-series-pc-specifications/ *	
Dimensions	50 x 290 x 200 mm/17.7 x 11.4 x 7.9 inches	
Weight	7.2 kg/16 lbs	

Rev 07/15

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