



KEMview

High Precision Film Archive Workstation

Back to the Future of Archiving

KEMview

The Cybernetic Wizard

KEMview is an utmost sophisticated and gentle viewing and preparation table for film stock, adapted to all the needs of contemporary archival preservation tasks: in one workstation only.

State of the art design: Not only to ease and accelerate your difficult preservation work on your archival treasures: Its cybernetic control in combination with the latest sensor and motor technology provides almost touch-less a lifesaving film winding quality of your stock rolls - completely autonomous. Furthermore, KEMview enables HD-proxy scanning and simultaneous reading and embedding of sound from any perf tape audio source, even if it comes from different formats, in addition to sync-run on three pathes with low flutter yet never seen in history of film archiving: **It's magic.**

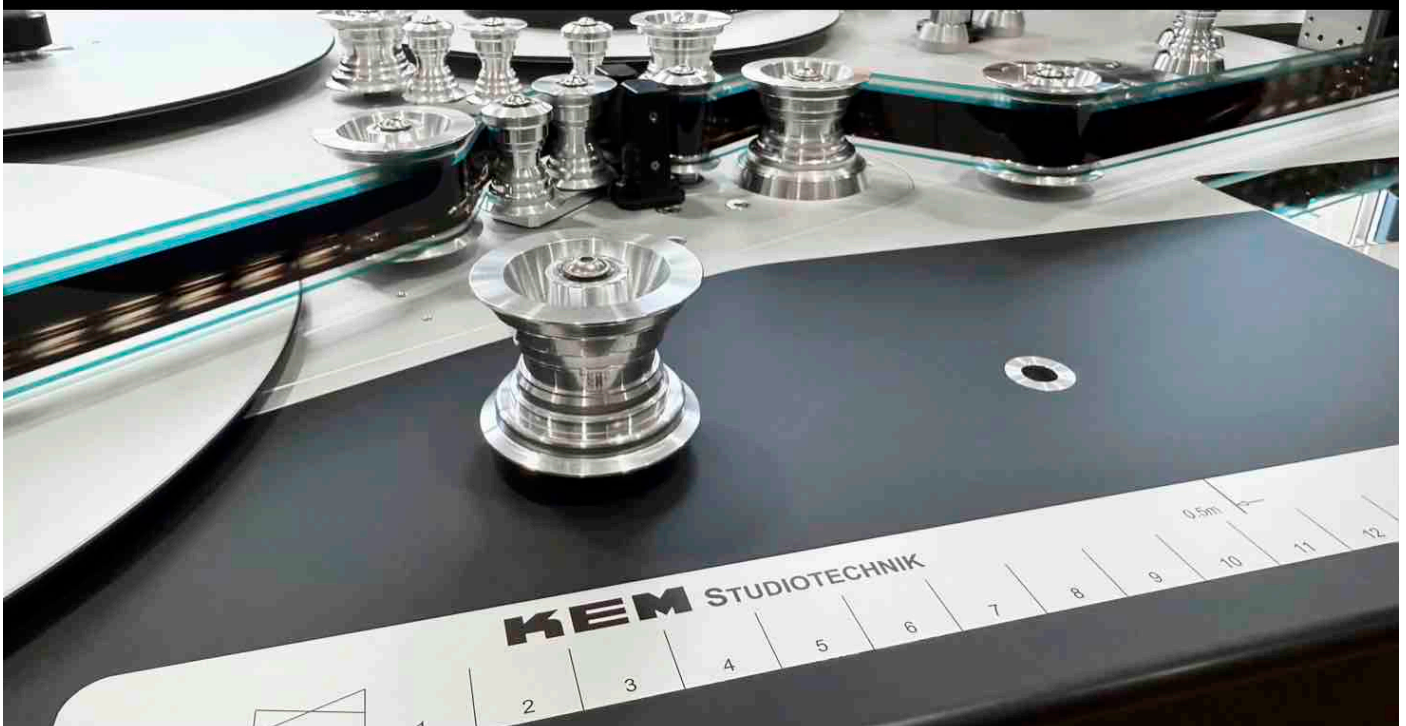


Winding Quality

KEMview works without omega-looping, capstan, press-on roller or sprocket drives. Practically touch-less rollers lead the film through an almost straight and unobstructed film path and thus allows to apply the minimal possible tensile force for transport corresponding the weight of three coins only. While the stock is passing only optical sensors, its cybernetic-control-system produces beautiful and evenly winded film reels in a freely adjustable and consistent film tension over the entire diameter of the rolls by the aid of gearbox-free, hundred-fold laminated pancake motors - to help you to prepare the stock specially customised for different purposes like tight for scanning or transport, or extremely loose for the most long-lasting archiving. The stock may be placed on the table on its versatile and functional plates as well as on individual spools with various connection systems.

Preservation and Preparation

Unlike usual editing tables still in use, the picture path is located nearest to the operator to ease the work on the most critical picture film stock. A brass scraping plate, a frames-ruler and a working back light, adjustable to the fps, are useful tools for physical preservation work on the stock. The closed electronic system is isolated and the surface is protected against static spark discharge. It is suitable for almost any kind and state of stock: regardless of photographic, magnetic, shrunken, swollen, brittle, deformed, torn, sticky or twisted.



Automation and Autonomy

The table reaches the desired film tension gently and autonomously without tightening the stock - purely self-acting and all by itself: contemporary cybernetic magic. It provides both, manual operation and automatic modes for autonomous rewinding and ventilation as well as sync playing with extreme low flutter - almost touch less and in one table.

Viewing and Recording

The intuitive operating is derived from the practical JogShuttle-dial-operation, well known from the linear video post production. KEMview is available in versions up to three parallel stock-paths for both: COMOPT, COMMAG, as well as synchronised SEPMAG or SEPOPT-operation. Despite eventually different shrinkage, the paths can be kept purely electronically in synchronity run and in different formats, eg. 35mm image with 16mm SEPMAG. It allows viewing and even with simultaneous stream-recording of 35/17,5/16mm, N8/S8* sources (*audio by correct framing up to edge-to-edge), in a codec-free, digital color difference signal YCbCr 1080p with embedded sound and analog TRS-audio-display. The peripherals like video or audio displays, video grabber, colormeter etc. may be individually customized by the studio or user. The nine internal processors take care of everything inside. There is no further, external computer needed.



Key Features

- 35/16/17,5mm – N8/S8*
- SEPMAG, SEPOPT, COMOPT and COMMAG
- Self-detecting audio modules*
- Frame counter and shrinkage measurement*
- Sync run of up to 3 paths (also of different film formats)
- HD-video stream with embedded sound
- Consistent stable winding by adjustable film tension
- Suitable for any stock, any format or state:
photographic, magnetic, shrunken, swollen, brittle,
deformed, torn, sticky, twisted
- Sprocket-less film transport, no omega, capstan
or press-on-roller
- AutoStop at end, film tear –protection (StickyStop)
- Automatic recognition of perf and splice (WorkStop)*
- Slows down automatically at the end of the reel
- Electronic spark arrestor, insulation, current arrester
- Self-detection of winding direction
- Customizeable stroboscopic LED backlight
- Brass scraping and working plate, framesize-ruler
- Plug-in rollers for individual path-layout
- Plug-in PTR-rollers*
- Changeable roller-sets for 9.5, 22, 28mm
(only for winding)*
- JogShuttle-Dial control
- Foot-pedal control*

*optional

Technical Details

Photographic film formats:	16/35mm - N8/S8mm*
Winding only:	9.5/22/28mm
Magnetic film formats:	16/17.5/35mm
Max. length of reels:	2130a (650m)
Free adjustable winding speed:	0 to 125fps (FF-REW)
Free adjustable film tension:	1.75oz (50g) to 12oz (350g)
Antistatic discharge protection:	100% antistatic, current arrester
Video-output:	YCbCr 1080p HDMI
Audio-output:	6.3mm+3.5mm jack plug TRS and video embedded digital sound 48kHz
Working-backlight source:	LED monochrome, approx. 5600°K Backlight synchronised to current fps
Surround conditions:	Temp: 43° to 131°F (5° to 55°C), 15% - 80% rel. humidity, non-condensing
Dimensions (L*W*H):	2'10.2" x 7'5"x 2'6.7" (87 x 225 x 78cm)
Weight (without peripherals):	approx. 662 lbs (ca. 300 kg)
Power supply:	AC 110/240 V at 60/50 Hz
Operation voltage:	240V, 48V (motors), 24V, 5V
Max. current consumption:	7.0 A

*optional

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