

## Back to the Future of Archiving

**KEM** STUDIOTECHNIK



**KEMroll is a modern and versatile winding table for almost any film format at an affordable price. With half-cybernetic control and by manual contact it produces a defined and controlled winding quality never seen before, with lowest impact and utmost gentle treatment of your valuable stock**

**It is designed for evaluation, visual and haptic study, preparation and ventilation and creating one defined tension over the entire radius of the roll**

**KEM** roll



Rewinding

KEMroll produces a precise and constant winding over the complete diameter of your reel on both plates, regardless of speed, stops or changes of direction during film transport, without the use of outdated step motors or dangerous wrap angles of the rollers.

The film tension is adjustable at your choice in three different values, depending on their further type of use. Additional further intermediate values are optional. The forces on your stock are kept as low as possible by a straight path and almost no contact and inertia resistance



Preservation

KEMroll was designed to treat specifically difficult stock: wet, sticky, brittle, shrunken, twisted, stock of both, photographic as well as magnetic films. The drive of the film transport operates without capstan-, sprockets- or press-on rollers. The cybernetic control system is controlled by the use of contactless sensors technology in the rollers. A brass scraping plate, a frames-ruler and a to fps adjustable working back light are useful tools for physical preservation work on the film



Cost-benefit

Its affordable price and modern features, which are focused on the needs of contemporary archival work, transforms KEMroll into a indispensable basic-tool to save the condition and value of the analog film stock and provides a positive cost-benefit equation even for small institutions

## Key Features



- Perfect consistent and stable winding
- Suitable for any stock, any format or state: photographic, magnetic, wet, dry, curled, torn
- Sprocket-less, no capstan and no press-on-roller
- 3-step-adjustable consistent film tension
- SaftyStop (tear, sticky, loop)
- Slows down automatically at the end of the reel
- Electronic spark arrestor, insulation, discharge
- Self-detection of winding direction
- Customise-able stroboscopic cold LED backlight
- ONE plate-mode
- Brass work plate
- JogShuttle control
- Transparent hood with air suction and filter <sup>(opt)</sup>
- Double shelf with direct/indirect light <sup>(opt)</sup>
- Changeable PTR-rollers <sup>(opt)</sup>
- Rollers for special film formats <sup>(opt)</sup>
- Push button adjustable table height <sup>(opt)</sup>
- Magnifier-lamp <sup>(opt)</sup>
- Foot-pedal control <sup>(opt)</sup>

<sup>(opt)</sup> = optional



## Technical Details

Photographic film formats:	N8/S8/16/35mm - 9.5/22/28mm <sup>(opt)</sup>
Magnetic film formats:	16/35mm - 17.5mm <sup>(opt)</sup>
Max. length of reels:	2130ft (650m)
Free adjustable winding speed:	0 to 250fps (FF-REW)
3 default adjustable film tensions:	5.3oz (150g), 8.8oz (250g), 12.3oz (350g)
Optional adjustable film tensions:	0.87oz (25g), 1.8oz (50g), <sup>(opt)</sup> 2.6oz (75g) 3.5oz (100g) <sup>(opt)</sup>
Static protection:	100% antistatic, current arrester
Control:	JogShuttle-Dial and foot-pedal <sup>(opt)</sup>
Working-light source:	LED monochrome, approx. 5600°K Backlight synchronised to fps
Surround conditions:	Temp: 59° - 104°F (15° to 40°C) 35% - 65% rel. humidity, non-condensing
Dimensions (L*W*H):	2'3.5" x 3'11" x 2'7.5" (70 x 120 x 80cm)
Weight (approx.):	ca. 132lbs (60 kg)
Power supply:	AC 110/240 V at 60/50 Hz
Operation voltage:	240V, 48V (motors)
Max current consumption:	2.5 A



# KEM roll

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