

Back to the Future of Archiving

KEM STUDIOTECHNIK



KEMwind is a state-of-the-art, extremely gentle winding table for any film format and stock. It provides a yet unseen winding quality

With new automation features it supports autonomous winding to the programmed film tension, like tight 12oz (350g) to loose 0.87oz (25g) for assigning to following steps like dispatching, scanning or archiving. The latest version with reading of any audio film format

KEM wind



Rewinding

All features of KEMroll, KEM's smaller winding-table version, are available here in addition to several other options. KEMwind produces a precise and constant winding over the complete radius of your reel on both plates, regardless of speed, stops or changes of direction during the film transport - with your desired and free to adjustable film tension



Preservation

The drive of the film transport operates without capstan-, sprockets- or press-on rollers. The cybernetic control system is almost non-contact and was realised by the use of latest laser sensor technology. A brass scraping plate and an adjustable working back light are useful tools for physical processing of the film stock. Transparent hood with air-suction and filter is available



Automation

The table produces automatically and autonomous the desired quality of the stock rolls. There are sensors integrated to read sprocket holes, length, screening-time and shrinkage. A stroboscope can be activated in the working back light. A slot for additional inter-changeable sensors like Sound modules to read optical and magnetic stock are available, too (other sensors like keycode or splice are in development)

Key Features



- Consistent and stable winding
- Adjustable film tension
- SEPMAG, COMOPT, COMMAG Audio display ^(opt)
- Suitable for any stock, any format or state: photographic, magnetic, wet, dry, curled, torn
- Sprocket-less, no capstan and no press-on-roller
- Auto stop at end, tear, sticky stock - perf, splice ^(opt)
- 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 Magnifier-lamp ^(opt) and brass work plate
- Changeable PTR-rollers ^(opt)
- Rollers for special film formats ^(opt)
- Transparent hood with air suction and filter ^(opt)
- Double shelf with direct/indirect light ^(opt)
- Push button adjustable table height ^(opt)
- JogShuttle control
- Foot-pedal control ^(opt)



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Technical Details

^(opt) = optional



Photographic film formats:	16/35mm - N8/S8/9.5/17.5/22/28mm ^(opt)
Magnetic film formats:	16/35mm - 17.5mm ^(opt)
Max. length of reels:	2130ft (650m)
Free adjustable winding speed:	0 to 250fps (FF-REW)
Free adjustable film tension:	from 12oz (350g) to very loose 0.87oz (25g)
Static protection:	100% antistatic, current arrester
Control:	JogShuttle and foot-pedal ^(opt)
Working-light source:	LED monochrome, approx. 5600°K Backlight synchronised to current 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 4'7.1" x 2'7.5" (70 x 140 x 80cm)
Weight (approx.):	ca. 176 lbs (80 kg)
Power supply:	AC 110/240 V at 60/50 Hz
Operation voltage:	240V, 48V (motors)
Max current consumption:	2.5 A

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KEM STUDIOTECHNIK

Hans-Böckler-Ring 43
22851 Hamburg
Germany

<http://www.kem-studiotechnik.de>
info@kem-studiotechnik.de

Phone : +49-40-56 76 65

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