

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 great automation features it supports autonomous winding to reach the programmed film tension, like tight (12oz = 350g) to loose (0.87oz = 25g) to assign to the following steps like dispatching, scanning or archiving.

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 system of the film transport operates without capstan-, sprockets- or press-on rollers. Its cybernetic control of tension and acceleration is based on low inertia drives and the use of latest laser sensor technology. A stroboscope adjustable to the fps in the working back light, a frames-ruler and a brass scraping plate are useful tools for physical processing and restoration of the film stock. A transparent hood with air/dust suction and filter is available in addition



Automation

The table is programmable to produce automatically and autonomous the desired winding quality of the stock rolls without tearing on or pulling loosely wound rolls together. There are touch-less sensors integrated to read sprocket holes and calculate length, screening-time and shrinkage. An open slot for additional inter-changeable modules is integrated already (eg. audio-modules are in development - Please inquire if you are interested)

Key Features



- Consistent and stable winding
- Adjustable film tension
- Suitable for any stock, any format or state: photographic, magnetic, wet, dry, curled, lacerated
- Sprocket-less, no capstan and no press-on-roller
- SafetyStop, AutoStop-End, StickyStop, SpliceStop
- 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 ^(opt)
- Double shelf with direct/indirect light ^(opt)
- Changeable PTR-rollers ^(opt)
- Rollers for special film formats ^(opt)
- Push button adjustable table height ^(opt)
- Magnifier-lamp ^(opt)
- Foot-pedal control ^(opt)

^(opt) = optional



Technical Details

Photographic film formats:	16/35mm - N8/S8/9.5 ^(opt) 22/28mm ^(opt. winding only)
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-Dial 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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für Bildung
und Forschung

on the basis of a decision
by the German Bundestag



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KEM STUDIOTECHNIK

Goosmoortwiete 7a
25474 Bönningstedt
Germany

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

Phone : +49 40 56 76 65

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