

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 step motors or dangerous wrap angles of rollers.

The film tension is adjustable at your choice in three different values, depending on their further type of use. The forces on the stock are kept as low as possible by a straight path and almost no contact and 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 was realised by the use of contactless latest laser sensor technology. A brass scraping plate, a frames-ruler and an adjustable working back light are useful tools for physical preservation work of 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 to 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
- Safety stop at end, tear-off and sticky stock
- Slows down automatically at the end of the reel
- Electronic spark arrestor, insulation, discharge
- Self-detection of winding direction
- JogShuttle control
- ONE-plate mode
- Foot-pedal control^(opt)
- Variable speed stroboscopic cold LED backlight
- Magnifier-lamp^(opt) and brass work plate
- Changeable PTR-rollers^(opt)
- Rollers for special film formats^(opt)
- Push button adjustable table height: 70cm (2'3.5") to 135cm (4'5.1")^(opt)
- Double shelf with direct/indirect light^(opt)

^(opt) = optional



KEM roll

Technical Details



Photographic film formats:	8/16/35mm - 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)
On default adjustable film tensions:	5.3oz (150g) 8.8oz (250g), 12.3oz (350g)
Optional adjustable film tensions:	0.87oz (25g), 1.8oz (50g), ^(opt) 2.6oz (75g) 3.5oz (100g) ^(opt)
Static protection:	100% antistatic, current arrester
Control:	JogShuttle and foot-pedal ^(opt)
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

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