

## Pintle winder for coils and drums



Fig. 1 UMROL 2200 AUF



Fig. 2 Traversing unit camera

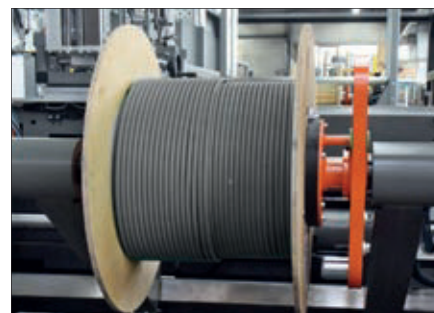


Fig. 3 Frictionally engaged drum driver



Fig. 4 Operating panel

### UMROL 1400 / 1600 / 2200 AUF

This motor driven pintle winder is suitable for winding goods, such as cables, hoses, steel ropes etc. onto coils or empty drums and, simultaneously, measuring and cutting them to length by making use of adequate accessories.

Upon opening the protective door the empty drum is rolled to the place of loading in order to be wound. By push of a button, the previously opened pintle arms are first moved together and then to the appropriate height for take-over. The pintles clamp the drum. Then the drums are lifted to winding position where they can be rotated forwards or backwards manually at the operating desk. Prior to the automatic winding of the material its cutting length is adjusted on the keyboard of the Kabelmat pre-selection counter ME 40.

The pre-selected length is wound during automatic winding operation and the drive stops also automatically as soon as the requested length is reached. Smooth start and stop of the drive according to the adjusted ramps. Additional creep speed function in the pre-selection counter to be adjusted once. Upon cutting and fixing the end of the winding material, the ready wound drum is lowered by push of a button, rolled out of the machine and taken away.

## Pintle winder for coils and drums

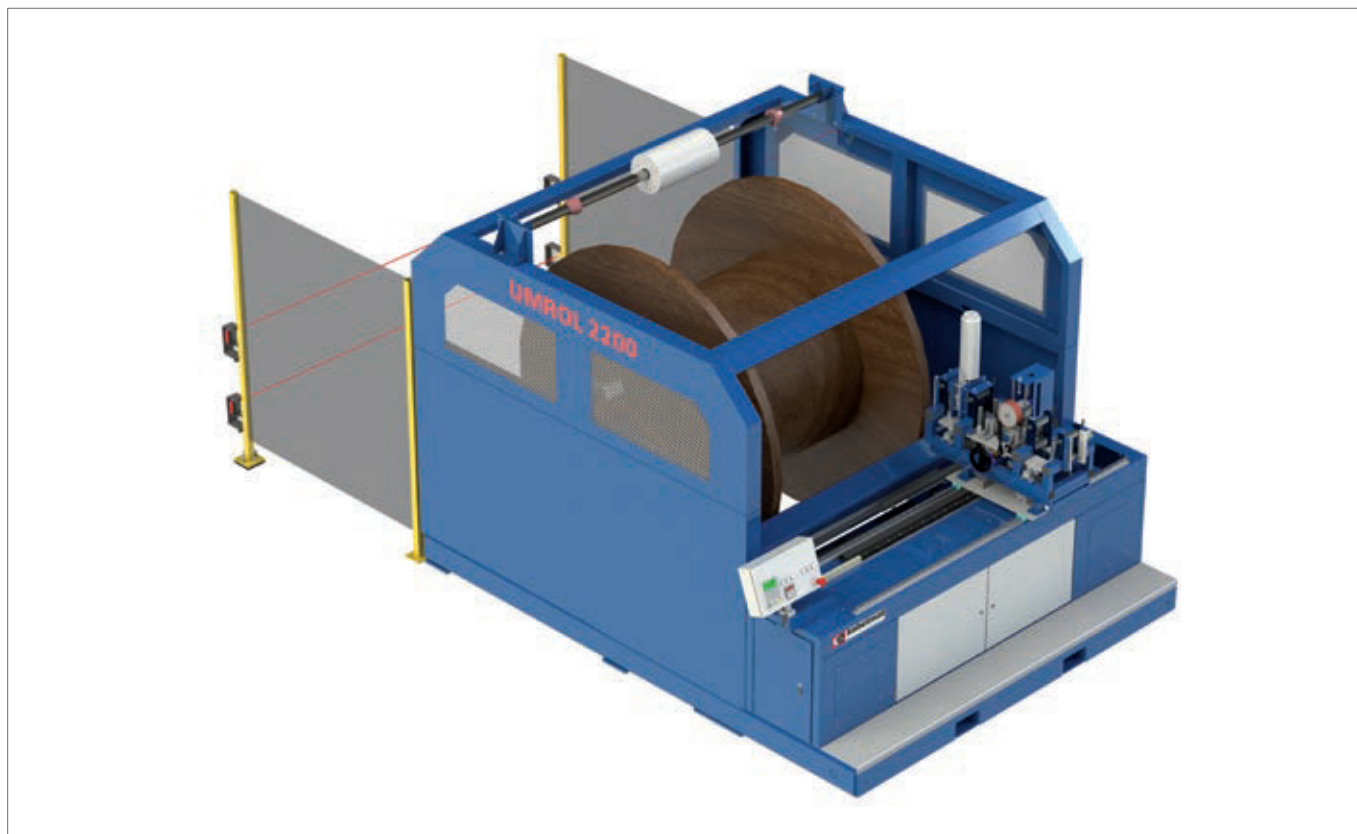
### Basic equipment:

- Steel profile frame with two brakable steering rollers and two fixed rollers or stationary design to anchor to the floor
- Grips for moving the machine
- Manually operated traversing slide provided for the installation of additional devices such as length measuring devices, material cutters as well as an automatic traversing unit
- Easy-to-handle and convenient drum loading with hydraulically operated pintle arms
- The functions lifting/lowering and tightening/releasing of the pintles are activated by push of a button
- Holding fixture for coiler heads (quick-change system)
- Easily operatable control desk with emergency switch, provided for the installation of a length measuring unit
- Additional control panel for operation of the hydraulic functions, the positioning of the pintle arms and emergency stop function
- Winding drive: working speed and power selectable
- Right-left handed rotation of the winding drive within the jogger operation mode
- Protective door for UMROL (available as collapsible door or as cover, requested for CE)

### Recommended equipment:

- **Roller cages** in front of and after the length measuring device with adjustable ball beared rollers of stainless steel. These are necessary for the calibration of the measuring devices.
- **MESSBOI 80 BVE Length measuring device** with pre-selection counter for winding material with an outer diameter of up to 50 mm or **MESSBOI 100 BVE Length measuring device** with pre-selection counter for winding material with an outer diameter of up to 90 mm
  - Measuring accuracy (with inlet and outlet roller cages)  $\pm 0,5 \%$
  - Calibratable for round cable line speed up to 250 m/min (MESSBOI 80), 150 m/min bei (MESSBOI 100)
  - Calibration of the length measuring device is approved by German Authorities for a period of two years, valid in Germany
  - Diameter recognition
- **Hydraulically operated cutting device** for cutting the winding material
- **Automatic traversing** consisting of geared motor with rotation speed controller. Traversing can be moved to any position via joystick within the set-up mode. This is important for the starting position of the winding drive. The motion reversing points can be stored by means of reference keys during standstill of the machine but also during winding operation. The traversing grade is continuously adjustable via rotary potentiometer even during winding operation. The traversing speed adapts automatically to the winding speed (synchronization). The complete traversing drive can be unlatched for manual traversing.
- **Coiler head RAPID 800 SL** for coil winding, insertable into the coiler head acceptance, centrally and infinitely adjustable winding core diameter, with four binding slots and four winding core segments
  - Coiler diameter of winding material: up to 800 mm;
  - Core adjusting range: 300 - 550 mm;
  - Coiling width: 20 - 250 mm
  - Adaptor for coiler head RAPID 800 SL, for quick and easy mounting of the coiler head to a kabelmat® UMROL rewinder.
- **Frictionally engaged drum driver**, with sleeve for easy loading of the drum without carrier bolts. Consisting of two carriers for both pintle arms; cylindric drum loading
- **Travelling drive** for mobile use

### Further auxiliary equipment on request



**Fig. 11** UMROL 2200 AUF

### Technical Details

UMROL	Type	1400	1600 (1800)	2200
Drum-Ø	mm	630 - 1400	630 - 1600 (710 - 1800)	710 - 2240
Drum width	mm	180 - 1050	350 - 1150	400 - 1700
Drum weight	kg	2000	3000	6000
Traversing width	mm	1090	1200	1700
Winding speed	min <sup>1</sup>	75/130	60 / 110	40 / 60
Motorpower	kW	4 / 7,5	5,5 / 11	7,5 / 11

Dimensions of the machine	Type	1400	1600 (1800)	2200
Length abt.	mm	3000	3200 (3400)	3800
Width abt.	mm	2290	2360	2950
Height abt.	mm	2300	2300	2500
Weight abt.	kg	2500	2800	4800

Drum sizes as per DIN 46391/46395 and KTG - All sizes without engagement!!



**Fig. 7** UMROL with MESSBOI 100