

# UMROL 1400 / 1600 / 2200 AUF

## Pintle winder for coils and drums

Winding big drums at  
the touch of a button

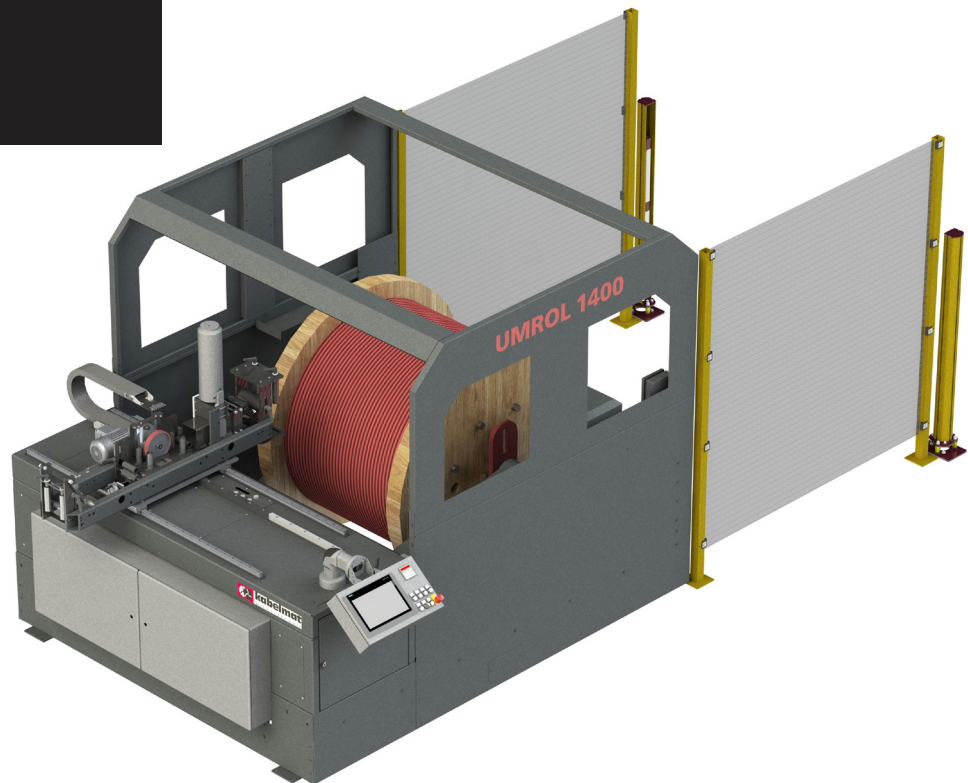


Fig. 1 UMROL 1400 AUF with protective fence

## UMROL 1400 / 1600 / 2200 AUF

- Pintle winder for coils and drums

### Functionality:

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 LC MID. 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.

Technical data	UMROL 1400 AUF	UMROL 1600 (1800) AUF	UMROL 2200 AUF
Part No.	2045.000	2050.000 (2055.000)	2075.000
Drum-Ø	630 - 1400 mm	630 - 1600 (710 - 1800) mm	710 - 2240 mm
Drum width	max. 900 mm	max. 1120 mm	max. 1450 mm
Drum weight	2000 kg	3000 kg	6000 kg
Traversing width	1090 mm	1200 mm	1700 mm
Winding drive	75 min <sup>1</sup> or 130 min <sup>1</sup>	60 min <sup>1</sup> or 110 min <sup>1</sup>	40 min <sup>1</sup> or 60 min <sup>1</sup>
Engine power	4 or 7,5 kW	5,5 or 11kW	7,5 or 11 kW
L x W x H	approx. 3000 x 2290 x 2300 mm	approx. 3200 (3400) x 2360 x 2300 mm	approx. 3800 x 2950 x 2500 mm
Weight	approx. 2500 kg	approx. 2800 kg	approx. 4800 kg

Drum sizes as per DIN 46391/46395 and KTG - All sizes are non-binding and will be defined in case of order.  
Max. winding material-Ø depending on the characteristics of the winding material.

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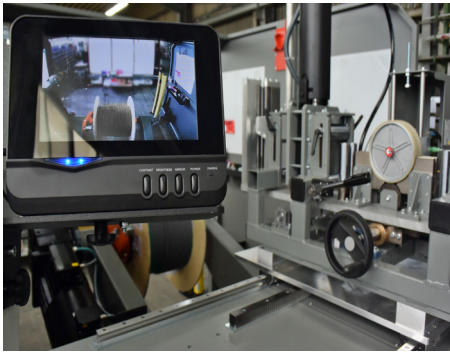


Fig. 2 Traversing camera

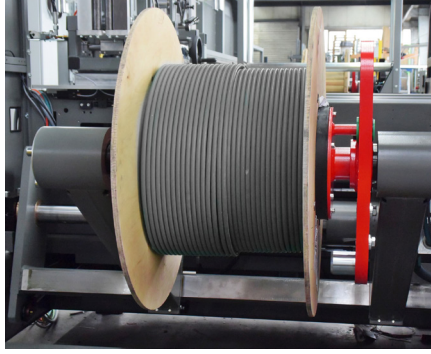


Fig. 3 Frictionally engaged drum driver



Fig. 4 Drive unit with drawbar

### Basic equipment:

- Steel profile frame with two breakable 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.
- **Length measuring device MESSBOI 80 LC / LC-MID or MESSBOI 100 LC / LC-MID**
  - Error limit, accuracy class III with additional inlet and outlet roller cages + / - 0,5 %
  - Conformity assessment of the length measuring device according module F is approved by German calibration authorities for a period of two years, valid in EEA
  - Conformity assessment line speed up to 250 m / min for MESSBOI 80 LC / LC-MID, 150 m / min for MESSBOI 100 LC / LC-MID
  - Preselection counter with disconnecting contact of the winding drive
  - 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 incl. adapter** 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. Various models available.
- **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

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High level of security and defined working areas

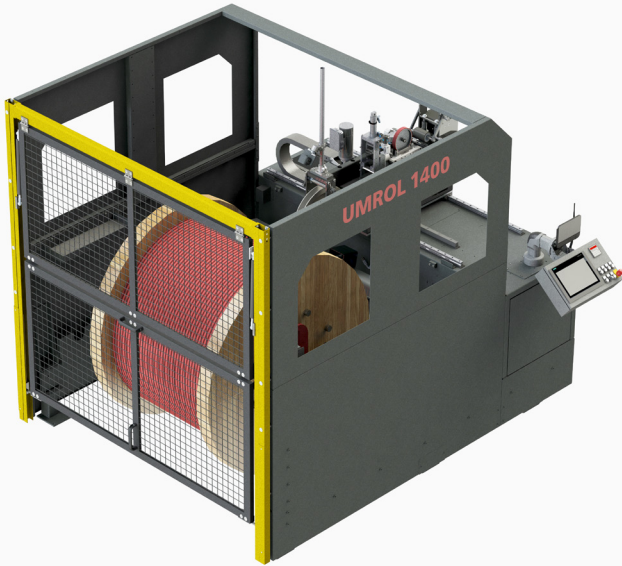


Fig. 5 UMROL 1400 AUF with flap gate

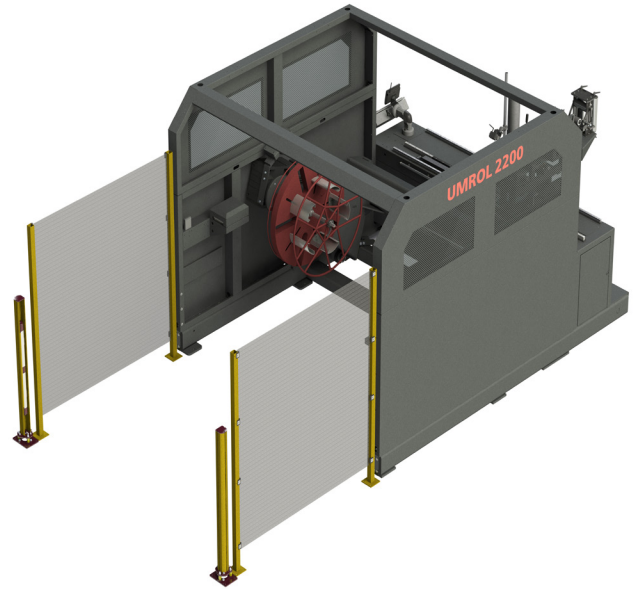


Fig. 6 UMROL 2200 with protective fence and coiler head, view 1

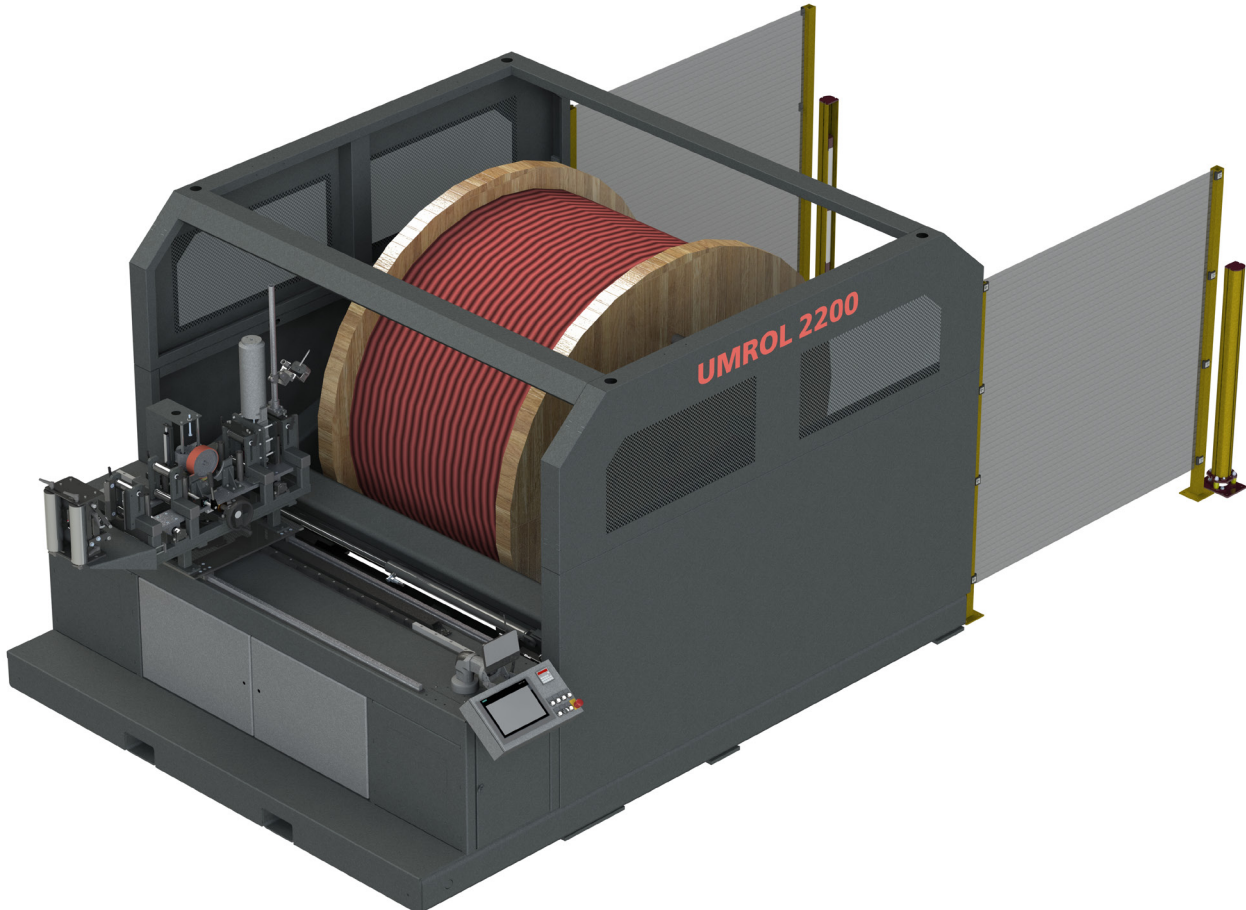


Fig. 7 UMROL 2200 with protective fence, view 2