RINGROL 600

Semi-automatic coil winding machine

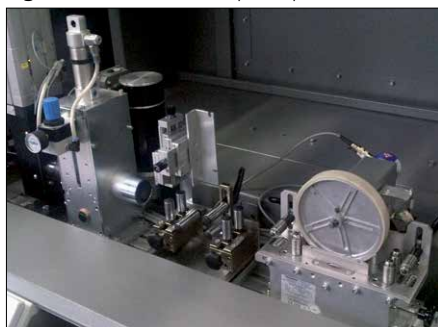**Fig. 1:** RINGROL 600 with opened protective cover and biniding unit

Fig. 2: Example traversing unit

Fig. 3: Winder

Fig. 4: Cable fixing clamp for coiler head

RINGROL 600

This semi-automatic coil winder allows to wind materials such as cables, tubes etc. onto coilers. Simultaneously, the material can be measured and cut to length. The mounted extension unit with automatic traversing drive is provided for the installation of a length measuring device (additional equipment), a material cutter or a feeder unit.

The machine works semi-automatically, the cable catch is manually fed into the winding core. The machine winds the coil automatically and stops upon reaching the pre-selected length. Afterwards, the wound coil is pushed to the desk of a binding device (accessories) by the operator in order to be wound finally. kabelmat®-drum storage racks are suitable for the direct winding.

Technical Details	
Winding plate diameter	600 mm
Core diameter	200 - 370 mm infinitely variable
Winding height	50 - 160 mm infinitely variable
Operating height	1075 mm (+/- 25 mm)
Coil weight	max. 25 kg
Roation speed	0-280 min^1 (1,5 kW) continuously adjustable
Line speed	max. 200 m/min
Electrical connection (CEE-connector plug)	230 / 400 V - 50 Hz
L x W x H (without binding unit and closed protective cover)	abt. 2200 x 1350 x 1650 mm
Weight	abt. 600 kg

Basic equipment:

- Painted, solid steel profile frame with two lockable steering rollers and two fixed rollers.
- Proctective hood with safety switch integrated in the machine
- Horizontal table board equipped with integrated winding plate and core segments which can be lowered
- Winding core pneumatically adjustable
- Winding core diameter continuously adjustable manual, with scale
- Automatic tapering of the core when lowering
- Ring height adjustable by a motor
- Pneumatic free lift of the winding counter plate
- Traversing slide prepared for the assembly of additional devices such as length measuring devices, material cutter, feeding systems and guides
- Automatically driven traversing slide consisting of geared motor with working speed control
- Traversing speed automatically adapts to the winding working speed (synchronization)
- Winding drive by AC-geared motor with variable working speed allowing a smooth start, working speed control adjustable via potentiometer at the operating panel
- Electrical switch cabinet installed in the machine
- Operating panel ergonomically integrated into the base frame
- Operating side: on the left (in winding direction)
- Easy-to-handle control and operating centre in the working area with ermergency-stop button, provided for the installation of a pre-selection counter
- Touchpanel for the display of operating conditions and error messages as well as for the input of operating parameters

Recommended equipment:

- **MESSBOI 40 BVE Length measuring** with pre-selection counter for winding material up to 40 mm outer diameter.

  - Error limit +/- 0,5 %
  - MID-/Calibratable for round cable till line speed 200 m/min
  - Conformity certification of the length measuring device is approved by German Authorities for a period of two years, valid in Europe.
  - Pre-selection counter with disconnecting contact of the drive

Optional:

- **Mass storage** for pre-selection counter for reading data in and out when trading with goods liable for calibration
- **Pneumatically operated cutting** unit for cutting the winding material
- **Material feeder** allows to put the cable quickly in the winding unit
- **INKJET Printer** in order to print phrases or figures onto the cable
- **Binding unit** for wound coil mountable at the machine
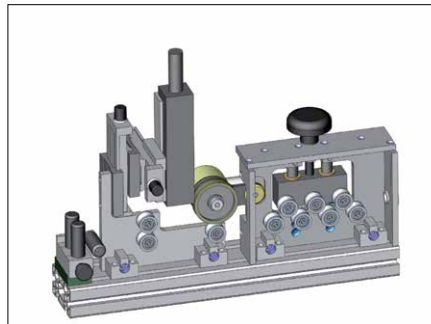

Fig. 5 Binding unit

Fig. 6 Guiding unit for the printing head

Fig. 7 KMS-Software with PC

Recommended delivery systems

- pay off: TROMTRAK, TROMROL, UMROL or PORTROL as feeding system manually driven or motorized
- cable drum storage and unwinding system LAGROL

More extra attachment on request