

RINGROL 600

Semi-automatic coil winder

Coil winding made easy



Fig. 1 RINGROL 600 with open cover and binding device

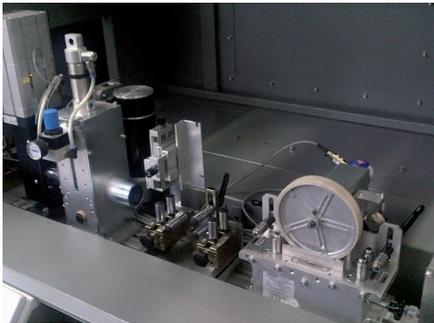


Fig. 2 Example traversing unit



Fig. 3 Winding unit



Fig. 4 Cable fixing clamp for winding plate

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- Semi-automatic coil winding machine for coil-Ø max. 600 mm

Functionality:

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 data	RINGROL 600
Part No.	3830.000
Winding plate-Ø	600 mm
Core-Ø	200 - 370 mm infinitely variable
Winding height	50 - 160 mm infinitely variable
Winding material-Ø (depending on the characteristics of the material)	max. 20 mm
Operating height	1075 mm (+/- 25 mm)
Coil weight	max. 25 kg
Rotation 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)	approx. 2200 x 1350 x 1650 mm
Weight	approx. 600 kg

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Basic equipment:

- Painted, solid steel profile frame with two lockable steering rollers and two fixed rollers
- Protective 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
- Speed control adjustable via potentiometer in the control 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 emergency-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:

- **Length measuring device MESSBOI 40 LC / LC-MID** with optionally selectable central adjustment of the guide rollers
 - Error limit (with in-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.
 - Pre-selection counter with disconnecting contact of the drive

Optional:

- **Automatic storage** of the cutting data
- **Pneumatically operated cutting** unit for cutting the winding material
- **Material feeder** allows to put the winding material quickly in the winding unit
- **INKJET printer** in order to print phrases or figures onto the winding material
- **Binding unit** for wound coil mountable at the machine



Fig. 5 Binding unit

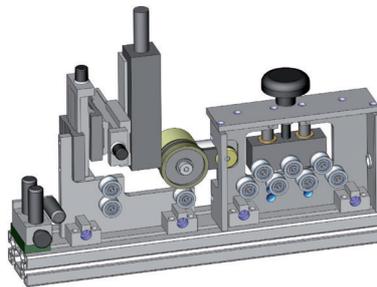


Fig. 6 Guiding unit for the printing head

Recommended delivery systems:

- Unwinder: TROMTRAK, TROMROL, UMROL or PORTROL as feeding system manually driven or motorized
- Drum storage and unwinding system LAGROL

Further auxiliary equipment on request