



Fig. 1 MOTROL® 500



Fig. 2 Coil and spool dispensing unit RAPID 480 SL



Fig. 3 Spool winding axle



Fig. 4 Traversing with telescope rail

MOTROL® 500

This motor driven coil and spool winder enables to wind materials such as cables, tubes, hoses, steel cables, plastic profiles etc. onto coils or empty spools and to simultaneously carry out length measuring and cutting.

Technical Details

Coiler head diameter	max. 500 mm
Standard drives (special speed on request)	140 min ⁻¹ (075 kW) or 240 min ⁻¹ (1,5 kW)
Electrical connection	230 V / 50 Hz
Traversing width incl. winding head	280 mm
Traversing width incl. spool / drum	330 mm
Inlet height	abt. 1100 mm
pass-through direction	right to left
L x W x H	abt. 1500 x 900 x 1400 mm
Colour machine	RAL 7005, mouse grey
Weight machine (without accessoires)	abt. 260 kg

Coil- and Spoolwinder

Basic equipment:

- Basic machine constructed as self-supported, torsionally resistant weldment with two lockable steering rollers and two fixed rollers.
- Direction of travel right-angled to winding direction
- Drive by means of AC-gear motor via chain
- Speed control is continuously adjustable, allowing a smooth starting
- The winder is designed for winding heads, coiler heads or spool axles with 30 mm
- Manually operated traversing slide designed for accessories such as length measuring units, cutting units and guide rollers
- The control cabinet is installed in the machine frame
- The control panel with emergency stop button is ergonomically integrated in the base frame
- Protection cover with window to be slid sideways for MOTROL®500 (required for CE)

Recommended equipment:

- **Roller cages** before and behind the length measuring unit, with adjustable ball-bearing rollers made of stainless steel, requested for calibration of measuring units
- **MESSBOI 40 BVE Length measuring unit** with preselection counter for winding material with outer diameter of up to 40 mm
 - Error limit +/- 0,5 %
 - MID-/Calibratable for round cables 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
- **Manual or pneumatic operated cutting system for cutting** the winding material
- **Automatic traversing**, consisting of gear motor with speed controller. Traversing can be moved to any position via joystick within the setting mode what is important for the starting position of the winding drive. The motion reversing points can be saved during machine downtime but also during winding operation via reference keys. The traversing lead can be adjusted infinitely via rotary potentiometer even during the winding operation. The traversing speed automatically adapts to the winding speed (synchronization). The complete traversing drive can be disengaged for manual traversing.
- **Coiler head RAPID 480 SL** for coil winding. To be plugged into the coiler head acceptance. Infinitely and centrally adjustable winding core diameter. With three binding slots and three winding core segments.
 - Coil diameter of winding material: up to 480 mm
 - Core adjusting range: 200 - 370 mm
 - Coiling width: 20 - 250 mm
- **Spool winding axle** to be plugged into the coiler head acceptance.

More extra attachment on request