

# MOTROL 500

## Coil and spool winding machine

Compact winding machine  
with high operating comfort



Fig. 1 MOTROL500

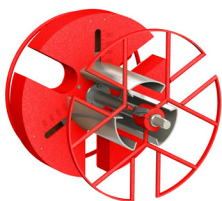


Fig. 2 Coiler head 480SL

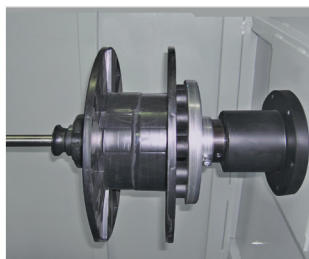


Fig. 3 Spool winding axle

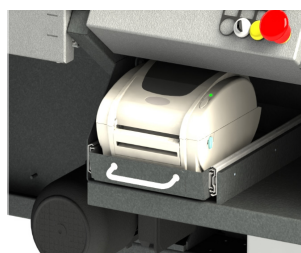


Fig. 4 Label printer



Fig. 5 Label sample

## MOTROL 500

- Coil and spool winding machine for coiler head- / spool-Ø max. 500 mm

### Functionality:

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

Technical Data	MOTROL 500
Part No.	0674.000
Coiler head / spool-Ø	max. 500 mm
Spool width (depending on type of spool winding axle)	max. 290 mm
Spool weight (depending on type of spool winding axle)	max. 100 kg
Winding drives selectable (depending on requirements)	140 rpm (075 kW) or 240 rpm (1,5 kW)
Electrical connection	230 V / 50 Hz or 400 V / 50 Hz
Traversing width	max. 270 mm
Inlet height	approx. 1100 mm
Pass-through direction	right to left
L x W x H	approx. 1500 x 900 x 1400 mm
Length with open protection cover	approx. 2100 mm
Colour machine	RAL 7005 mouse grey
Weight machine (without packing)	approx. 290 kg
Max. winding material-Ø depending on the characteristics of the winding material.	

## Coil and spool winding machine

### Basic equipment:

- Basic machine constructed as self-supported, torsionally resistant weldment with two lockable and two fixed steering rollers or four lockable steering rollers
- 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, ring coiler heads or spool winding axles
- 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 (required for CE)
- CE conformity declaration according to machinery directive 2006/42/EG
- **Roller cages** before and behind the length measuring unit, easily adjustable to match the material.  
Various models available depending on the requirements
- **Length measuring device MESSBOI 40 LC / LC-MID or MESSBOI 40 B LC / LC-MID**
  - Error limit (with in- and outlet roller cages) + / - 0,5 %
  - Pre-selection counter with disconnecting contact of the drive

### Recommended equipment:

- **Automatic traversing** consisting of gear motor with speed controller Traversing can be moved to any position via joystick. This is important for the starting position of the winding drive. The motion reversing points can be stored via reference keys during machine downtime but also during winding operation. In usage of round winding material the traversing pitch adapts automatically via diameter detection, but is also adjustable via rotary potentiometer during the winding operation. In case of winding flat material there is no diameter detection function. The traversing pitch has to be adjusted continuously via rotary potentiometer during the winding operation. The traversing speed automatically adapts to the winding speed (synchronization). The complete traversing drive can be disengaged for manual traversing.
- **Manual or pneumatic operated cutting system** for cutting the winding material
- **Roller feed** in support of cutting process and in connection with pneumatic cutting device for additional operation mode „cut to length without winding process“
- **Coiler head** for winding of coils.  
Various models available
- **Spool winding axle** with quick-locking mechanism and frictional driver for winding of spools.  
Various sizes available
- **Conformity assessment / MID (formerly first calibration)**
  - **Automatic storage** of the cutting data
  - **Label printer** with interface to the preselection counter
  - **Conformity assessment** to module F (in accordance with the European Measuring Instruments Directive 2014/32/EU) of the length measuring device with additional inlet and outlet roller cages by the German calibration authority. **Valid for a period of two years** for all member states of the EEA. The assessment is carried out in the manufacturer's factory. **Calibration after two years is required**, but is not included in the scope of delivery. Note: Conformity assessment according to module F (formerly first calibration) is required when the **customer is not present** during the cutting of the material (cables ect.). **Required:** Storage of the cutting data and documentation on the business records.

### Further auxiliary equipment on request