

MESSROL 500

Coil and spool winder, manual

Manual winder with a lot of working surface

Available with battery mode

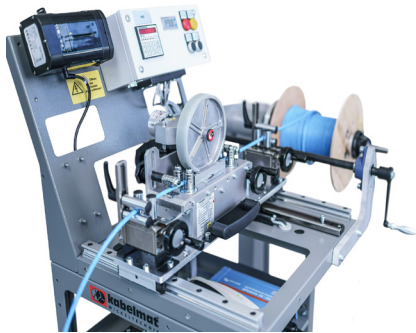


Fig. 1 MESSBOI 40 BVE and high performance battery

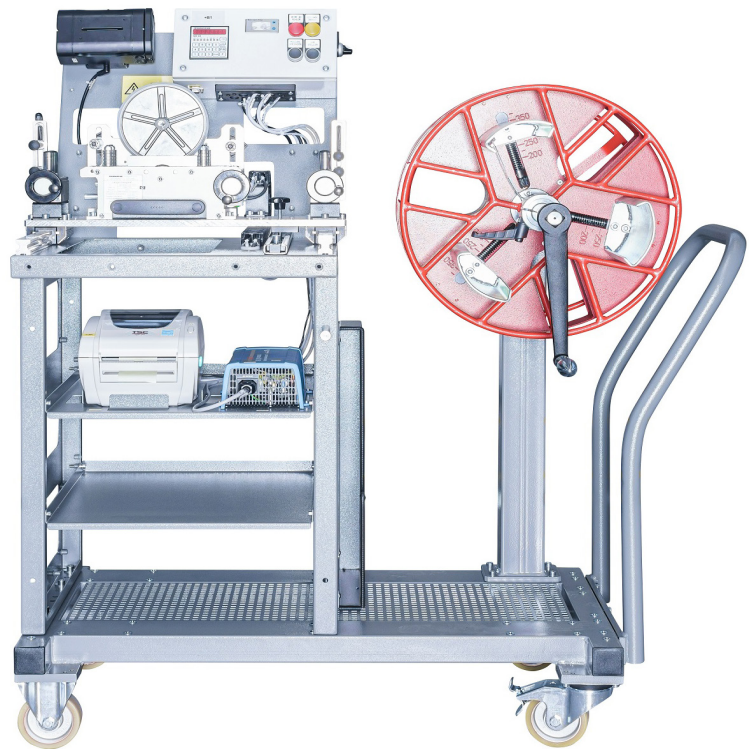


Fig. 2 MESSROL 500 with RAPID 480 SL, MESSBOI 40 LC-MID and battery mode

MESSROL 500

• Manual coil and spool winder

Functionality:

This manual 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. MESSROL 500 is optionally available with a high performance battery. This enables an especially flexible usage while maintaining power supply of the electrical components. In addition, MESSROL 500 offers a lot of working surface and is therefore a perfect allrounder in warehousing.

- Modular system
- Working surfaces for accessories, e.g. tools
- Easy winding while length measuring at the same time
- Movable traversing slide for a smooth winding pattern
- Easy assembly and removal of the coils and spools
- Optimal combination / supplement with unwinder or drum rack
- **Optional: also available with battery mode which enables a wireless energy supply of electrical components (mobility)**

Technical data	MESSROL 500
Part no.	0601.000
Coiler head/ Spool-Ø	max. 500 mm
Spool width	max. 310 mm
Spool weight	max. 100 kg
Winding material-Ø (varying on conformity assessment)	1 - 30 mm
Traversing width	max. 340 mm
Inlet height	ca. 1000 mm
Running direction	both directions
L x W x H	approx. 1300 x 680 x 1300 mm
Colour	RAL 7005 mouse grey
Weight	approx. 200 kg

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Basic equipment:

MESSROL 500 basic frame	Part No. 85100564
<ul style="list-style-type: none">• Mobile device with two lockable steering rollers and two fixed rollers• Handle for a comfortable moving of the device• The winder is designed to admit winding head or spool winding axle• Manually operated traversing slide designed for accessories such as length measuring unit, cutting unit and guiding rollers• Working surface (e. g. for dropping rings or tools)	
Manual cutting unit MATIS 40	Part No. 86001132
<ul style="list-style-type: none">• For cutting the winding materials	
Winding head RAPID 480 SL	Part No. 85100083
<ul style="list-style-type: none">• For winding of coils	
Spool winding axles 800 RB with quick-locking mechanism	Part No. 85100555
<ul style="list-style-type: none">• For winding of spools	
1:3 translation	Part No. 85100565
<ul style="list-style-type: none">• For a more convenient winding of the spools	

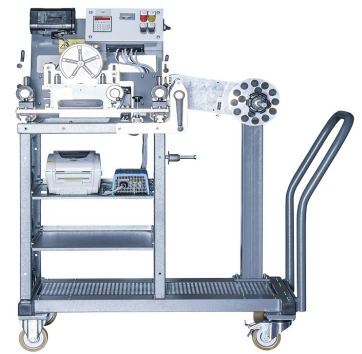


Fig. 3 MESSROL 500 with spool winding axle, MESSBOI 40 LC-MID with roller cages, conformity assessment, label printer, high-performance battery

Additional equipment:

<ul style="list-style-type: none">• Length measuring unit MESSBOI 25 with mechanical counter for winding material up to 25 mm outer diameter	Part No. 85101000
<ul style="list-style-type: none">• Error limit (incl. inlet and outlet roller cages) + / - 0,5 %	
<ul style="list-style-type: none">• Roller cages for a better guidance of the winding material	Part No. 85101000
<ul style="list-style-type: none">• Conformity assessment for direct sales - in the presence of the customer - (Module F1)	Part No. 86101000
<ul style="list-style-type: none">• Length measuring unit MESSBOI 40 BAE with mechanical counter for winding material up to 30 mm outer diameter	Part No. 85100003
<ul style="list-style-type: none">• Error limit (incl. inlet and outlet roller cages) + / - 0,5 %	
<ul style="list-style-type: none">• Roller cages for a better guidance of the winding material	Part No. 85100186
<ul style="list-style-type: none">• Conformity assessment for direct sales - in the presence of the customer - (Module F1)	Part No. 146
<ul style="list-style-type: none">• Length measuring unit MESSBOI 40 LC / LC-MID with preselection counter and data memory for winding material up to 30 mm outer diameter	Part No. 85100455
<ul style="list-style-type: none">• Error limit (incl. inlet and outlet roller cages) + / - 0,5 %• Preselection counter with disabling contacts	
<ul style="list-style-type: none">• Roller cages for a better guidance of the winding material	Part No. 85100186
<ul style="list-style-type: none">• Conformity assessment for factory sales - without presence of the customer - (Module F)	Part No. 242
<ul style="list-style-type: none">• Label printer with interface to the preselection counter	Part No. 5101.000
<ul style="list-style-type: none">• Console for the label printer	Part No. 85100567
<ul style="list-style-type: none">• Changeable high-performance battery 10 Ah for supplying energy to the preselection counter, data interface module and label printer without network connection (mobility)	Part No. 85100566
<ul style="list-style-type: none">• Charging cable	Part No. 89929871

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Fig. 4 MESSROL 500 Series

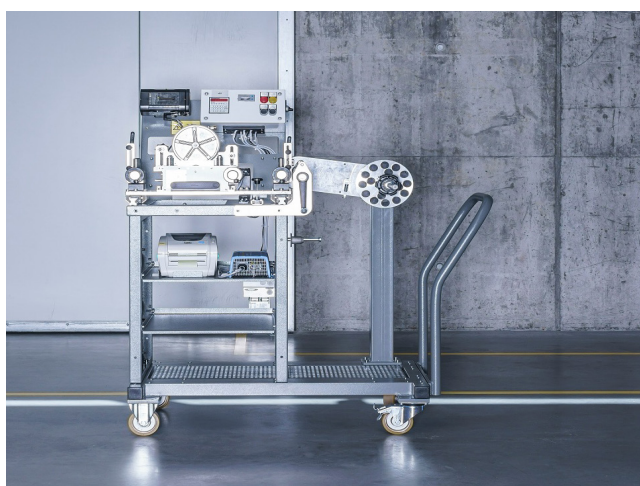


Fig. 5 MESSROL 500 with spool winding axle 800 RB, MESSBOI 40 LC-MID and battery mode

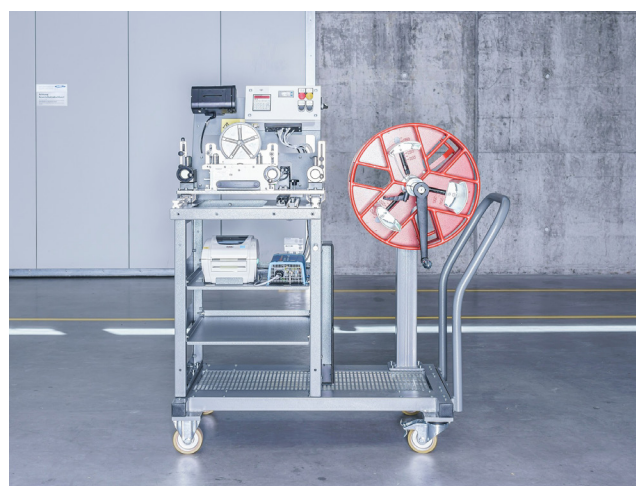


Fig. 6 MESSROL 500 with coiler head RAPID 480 SL, MESSBOI 40 LC-MID and battery mode

Technical data:

Cutting device

Technical data	MATIS 40 lever shear for cable (fine-wire)
Part No.	86001132
Material-Ø	max. 40 mm
B x W x H	approx. 110 x 130 x 720 mm
Weight	approx. 8,3 kg
Material	Blades made of oxide ceramics
Cut release via hand lever.	

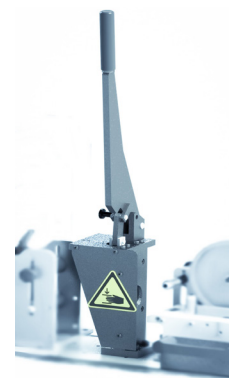


Fig. 7 MATIS 40 lever shear

Technical data:

Coiler head with hand crank

Technical data	RAPID 480 SL
Part No.	85100083
Coil-Ø	max. 480 mm
Core adjusting range (continuously adjustable)	200 - 370 mm
Coil width	50 - 250 mm
Load capacity	max. 65 kg
Axle holder-Ø	30 mm
Weight	approx. 40 kg
Colour	RAL 3020 traffic red

Technical data	RAPID 480 ST
Part No.	85100557
Coil-Ø	max. 480 mm
Core adjusting range (adjustable in steps)	200/250/300/ 350 mm
Coil width	80 - 250 mm
Load capacity	max. 50 kg
Axle holder-Ø	30 mm
Weight	approx. 25 kg
Colour	RAL 3020 traffic red



Fig. 8 RAPID 480 SL



Fig. 9 RAPID 480 ST (Fig. similar)

Spool winding axle with hand crank

Technical data	Spool winding axle 800 MB	Spool winding axle 800 RM
Part No.	85100435	85100555
Spool-Ø	max. 800 mm	max. 800 mm
Spool width	max. 395 mm (at bore 40 mm) max. 470 mm (at bore 80 mm)	max. 430 mm (at bore 35 mm) max. 445 mm (at bore 50 mm) max. 475 mm (at bore 85 mm)
Spool bore-Ø	40 - 80 mm	35 - 85 mm
Axle holder-Ø	30 mm	30 mm
Axle-Ø	30 mm	30 mm
Colour	zinc-plated	zinc-plated
Load capacity	max. 60 kg	max. 100 kg
Weight	approx. 8 kg	approx. 10 kg
Driving pin	Ø 25 mm with an adjustment range of 80 - 170 mm	-

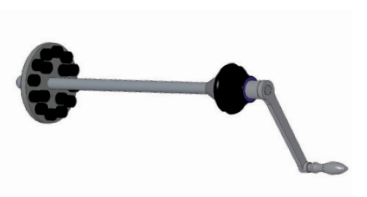


Fig. 10 Spool winding axle 800 RM

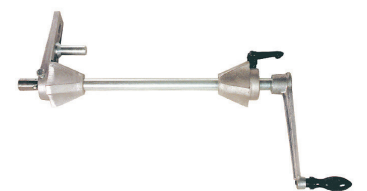


Fig. 11 Spool winding axle 800 MB with driving pin

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Technical data:

Length measuring device

Technical data	MESSBOI 25	MESSBOI 25 conformity assessment
Part No.	85101000	86101000
Measuring range	2 - 25 mm	2 - 15 mm
Display of counter	9999,99 m	9999,99 m
L x W x H	approx. 120 x 160 x 350 mm	approx. 120 x 160 x 350 mm
Error limit	+ / - 0,5 %	+ / - 0,5 %
Measuring wheel	aluminum with vulcanized PUR coating	aluminum with vulcanized PUR coating
Colour	aluminum / silver	aluminum / silver
Weight	approx. 1,4 kg	approx. 1,4 kg

Technical data	MESSBOI 40 BAE*
Part No.	85100003
Measuring range (with conformity assessment)	1 - 40 mm (2 - 25 mm)
L x W x H (without roller cages)	approx. 320 x 320 x 280 mm
Display of counter	9999,99 m
Measuring wheel extent	0,5 m
Error limit with roller cages according accuracy class III	+ / - 0,5 %
Weight	ca. 12 kg
Speed conformity assessed	max. 80 m / min

* Note: MESSBOI 40 BAE is also available with stainless steel counter roller for wire rope or steel cable.
Part No. 86000316

Technical data	MESSBOI 40 LC / LC-MID
Part No.	85100455
With 2 potential-free change-over contact with pre-and limit switching	
Round cable-Ø with MID / conformity assessment	2 - 40 mm
Tube-Ø with MID / conformity assessment	2 - 40 mm
Steel cable-Ø with MID / conformity assessment	2 - 15 mm
Thickness range flat cable with MID / conformity assessment	2 - 15 mm
Width range flat cable with MID / conformity assessment	10 - 40 mm
Measuring wheel extent	0,5 m
Rotary pulse encoder	500 Imp / per turn 24 VDC
Error limit regarding accuracy class III (incl. inlet and outlet roller cages)	+ / - 0,5 %
Display of counter	99999,999 m
Speed with MID / conformity assessment	max. 250 m / min
L x W x H (without roller cages)	approx. 400 x 310 x 400 mm
Weight	approx. 10 kg

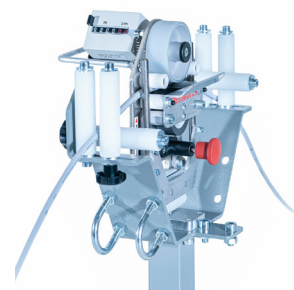


Fig. 12 MESSBOI 25 with inlet and outlet roller cages

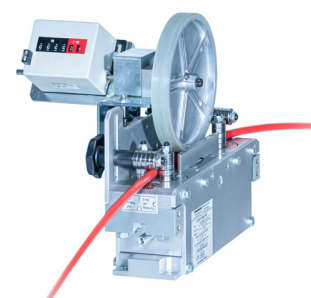


Fig. 13 MESSBOI 40 BAE

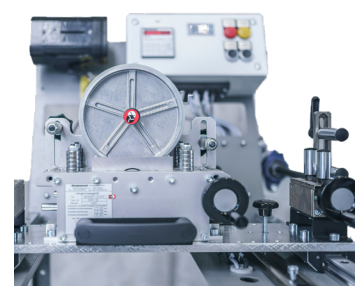


Fig. 14 MESSBOI 40 LC with inlet and outlet roller cages and battery mode

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Technical data:

Roller cages

Technical data	Inlet and outlet roller cage unit for MESSBOI 25
Part No.	85101001
Roller cage unit for better guidance of the winding goods.	



Fig. 3 Inlet and outlet roller cages

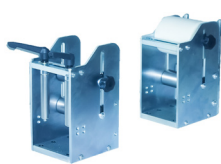


Fig. 4 Inlet and outlet roller cages

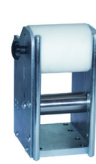


Fig. 5 Inlet roller cage



Fig. 6 Inlet or outlet roller cage

Technical data	Inlet and outlet roller cages (pair)	Inlet and outlet roller cages (pair)	Inlet roller cage (piece)	Inlet or outlet roller cage (piece)
Part No.	85100185	85100186	85100189	86001454
Suitable for MESSBOI 40 BAE	✓	✓	✓	✓
For winding from an unwinder	✓	-	-	✓
For winding out of a drum rack	-	✓	✓	-
Rollers horizontal adjustable	✓	✓	✓	✓
Rollers horizontal and vertical adjustable	✓	✓	-	✓
Material-Ø	max. 40 mm	max. 40 mm	max. 40 mm	max. 40 mm
Guide outlet rollers-Ø	35 mm	35 mm	-	-
Guide inlet rollers-Ø	35 mm	80 mm	80 mm	35 mm
Weight	approx. 10 kg / pair	approx. 10 kg / pair	approx. 5 kg	approx. 5 kg
Housing	steel zinc-plated	steel zinc-plated	steel zinc-plated	steel zinc-plated
Guide rollers inlet	stainless steel	plastic	plastic	stainless steel
Guide rollers outlet	stainless steel	stainless steel	-	-

Conformity assessment

Technical data	Conformity assessment module F1
Part No.	146
Conformity assessment for direct sales due to module F1 (presence of the customer is required) with additional inlet and outlet roller cages is carried out by National Metrology institute of Germany (PtB) valid unlimited for all European member states. Re-assessment is not necessary, a maintenance every 2 years by the manufacturer is recommended. Only authorised for use in direct sales!	

Technical data	Conformity assessment module F
Part No.	242
Conformity assessment for factory sales due to module F (presence of the customer not required) with additional inlet and outlet roller cages is carried out by National Metrology institute of Germany (PtB) valid for a period of two years for all European member states. Conformity has to be carried out in the manufacturing firm. The re-assessment after two years is necessary, but not included in the scope of delivery. Required accessories: label printer (part no. 5101.000) and console for label printer (part no. 85100567)	

Indoor use only.
Fig. may differ from original.
Technical modifications reserved.