Winding, Measuring & Warehouse Systems

Complete Catalogue

A company of the Corporate Group

HELUKABEL®

www.kabelmat.com

kabelmat®

easy winding. easy working.


kabelmat®

EDITORIAL

Specific types and lengths of cable are often required at short notice. Kabelmat offers a wide product range that covers almost all requirements. The range of applications now extends far beyond the cable and wire industry. We always focus on how our customers use our products. If even modified modules from our standard range are not sufficient, we create custom-made system solutions. Today, more than ever, Kabelmat is in demand as a system partner and offers comprehensive solutions from a single source. Kabelmat offers a high safety standard that is incomparable with many other providers.

Kabelmat Wickeltechnik GmbH

More than 50 years of experience

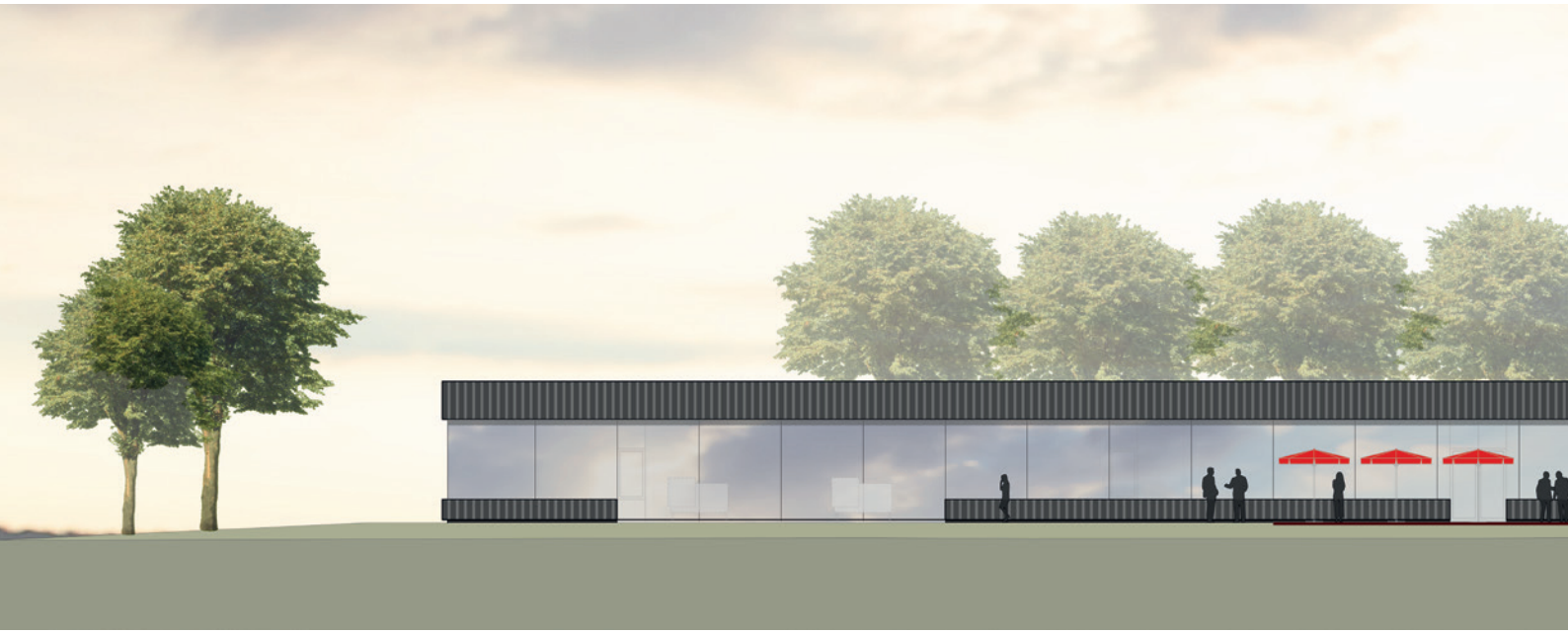
CONTENTS

INTRO - ABOUT US	04
• KABELMAT WICKELTECHNIK - About us	04 - 05
• Production	06
• Project planning & Engineering	07
• Consulting & Sales	08
• Service	09
MANUAL WINDING TECHNOLOGY	10
Coil and spool winder	12
• MESSROL 450	12 - 15
• MESSROL 670 / 1000	16 - 21
• TISCHROL 450	22 - 23
• TISCHROL 1000	24 - 26
Coil and spool unwinder	27
• RINGFIX / SPULFIX	27 - 29
• KOMBITRAK 800	30 - 31
• RINGO	32
Drum unwinder	33
• TROMBOI 500 / 800 /1400	33
• TROMBOI 7-10/ 9-14	34
• TROMBOI 2003	35
• TROMTRAK 1250	36
• TROMCAR 1000/1250	37
MACHINE WINDING TECHNOLOGY	38
Length cutting machine	40
• AUTOCUT 40	40 - 41
Coil and spool winder	42
• MESSROL 500	42 - 43
• MOTROL 500	44 - 45
• MOTROL 800 EASY	46 - 47
• MOTROL 800	48 - 49
• MOTROL 1000 AUF	50 - 51
Semi-automatic coil and pipe winder	52
• RINGROL 600	52 - 53
• RINGROL 800	54 - 55
Full-automatic coil and pipe winder	56
• RINGROL 1200	56 - 57
Coil and drum winder	58
• UMROL 1000 AUF	58 - 59
• UMROL 1400 / 1600 / 2200 AUF	60 - 62
Drum winder	63
• PORTROL 1000 / 1400 AUF	63 - 64

CONTENTS

Drum unwinder	65
• PORTROL 1000 / 1400 ABW	65 - 66
Drum and spool unwinder	67
• TROMPIN 800 / 1250	67
Coil and spool unwinder	68
• SPULFIX 480	68 - 69
Drum axle unwinder	70
• TROMTRAK 1600	70
• TROMROL 2500	71
Cable sinter machine	72
• SIGNOMAT	72 - 73
MACHINERY PLANTS AND LINES	74
• AUTOLOG	76 - 79
• PORTROL	80 - 83
LENGTH MEASURING TECHNOLOGY	84
Length measuring devices	86
• MESSBOI 10	86 - 87
• MESSBOI 30	88
• MESSBOI 40 BAND	89
• MESSBOI 40 BAE	90 - 91
• MESSBOI 40 BVE	92 - 94
• MESSBOI 80 BVE	95
• MESSBOI 100 BVE	96
• MESSBOI 100 LASER	97
WAREHOUSE TECHNOLOGY	98
Storage and unwinding device for cable coils, pipes and plastic profiles	100
• MATBOI	100 - 103
Storage and unwinding device for cable spools	104
• SPULBOI	104 - 107
Cable drum rack and unwinding system	108
• LAGBOI 2200 / 3000 stationary / mobile	108 - 109
• LAGROL / ABROL	110 - 115
Transport and loading accessory for cable drums	116
• TROMSTOP	116
• TROMPLAT 1000 / 2500	117
Spool storage and unwinding device	118
• SPULROLLY	118
Drum storage and unwinding device	119
• TROMBULLY	119
Our product range – Get to know the complete Kabelmat product world	120 - 121
HELUKABEL – A Leading manufacturer and distributor of cables and wires	122 - 123

ABOUT US



Kabelmat Wickeltechnik

Kabelmat Wickeltechnik GmbH's history goes back to the sixties and the company has been one of the leaders for winding systems for the cable and wire industry and processing. Customers include manufacturers, retailers nad processors of cables and wires as well as fitters, electrical installers, machine construction companies and many more.

The product portfolio includes almost all devices and machines for storage, winding of cables, wires, steel cables, pipes, hoses and profiles. The tasks completed worldwide by Kabelmat products include winding from and to drums, as well as from drums to coils.

We will be glad to answer your questions about:

- Winding Technology
- Length Measuring Technology
- Warehouse Technology
- Cutting Technology

"We are a medium-sized company that works innovatively and in a market-oriented manner and implements problem solutions in partnership with our customers."

kabelmat®
easy winding. easy working.

Production

Focus on quality, safety and user-friendliness

We carry out almost all upstream production stages ourselves - all at our site in Glatten. This results in short chains of command and high flexibility. The basis of our products is a modular system. We can quickly assemble customer-specific devices from these device modules We work together with renowned manufacturers and market leaders in the selection of raw materials. Whether drive technology or pneumatic components - the use of high-quality raw materials is an integral part of our product policy. In the area of user-friendliness and safety technology Kabelmat also offers a standard that is incomparable with many other manufacturers.

- Production facility in Germany, location Glatten
- „Made in Germany“
- Use of components from renowned manufacturers
- Basic modular system

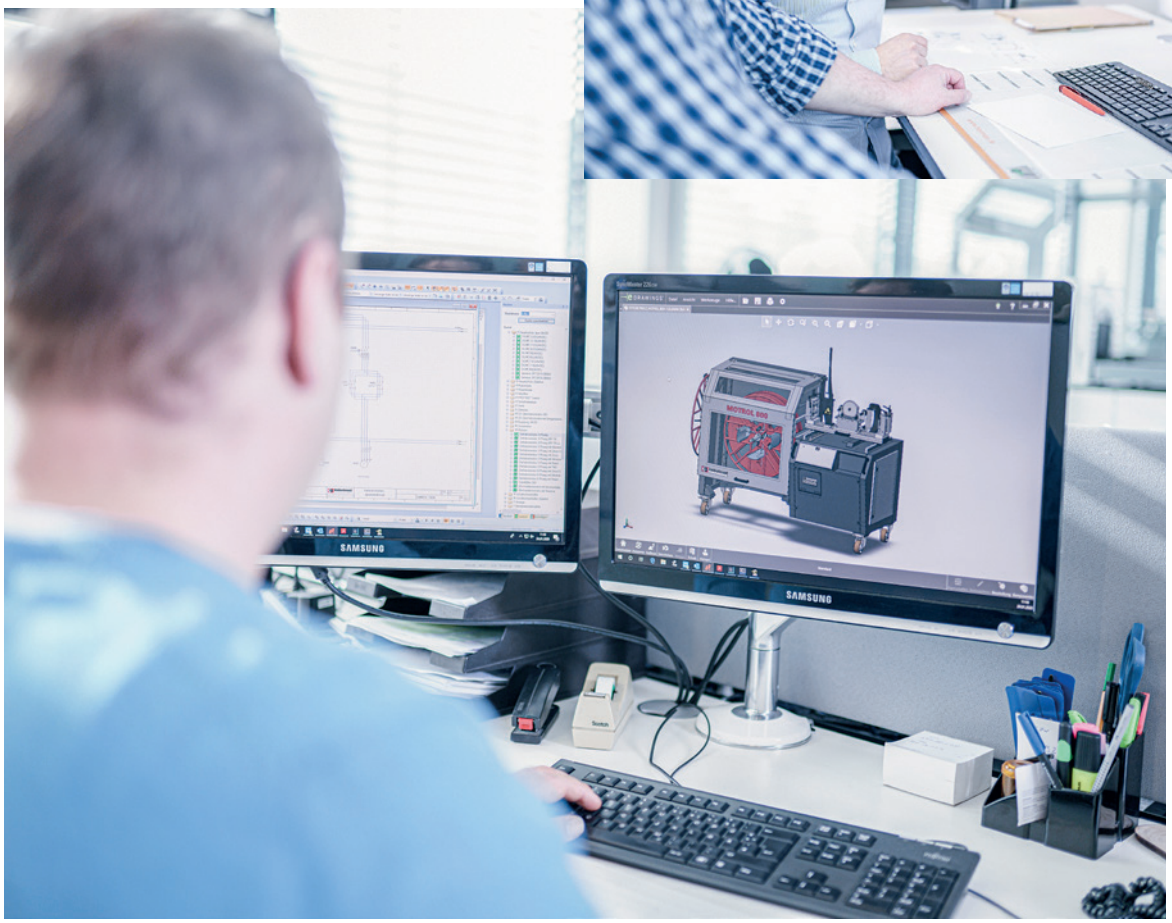
Project planning & Engineering

Your application is in the foreground - we offer the right solution

Our product portfolio is modular and can therefore be flexibly adapted to your application.

For certain tasks, even modified modules from our standard assortment are not sufficient. In these cases, we develop customised system solutions.

- Comprehensive know-how
- Broad product portfolio
- High safety standard
- High quality parts
- Realisation of demanding tasks
- Customer-specific solutions
- And much more



Consulting & Sales

Best advice

To find the right solution, our sales team will assist you in a professional manner. We are happy to advise you by telephone or on site. Find the contact person in your area on the Internet at **www.kabelmat.com**.

We will also be glad to show you our products in our showroom. You are cordially invited to visit our company. We look forward to your visit.

Always close to you

Trough the efficient sales network of our parent company, HELUKABEL® GmbH, we have more than 40 field staff working nationwide and are represented by 55 sales locations and many agents on all continents of the world.

Service

We are there for you

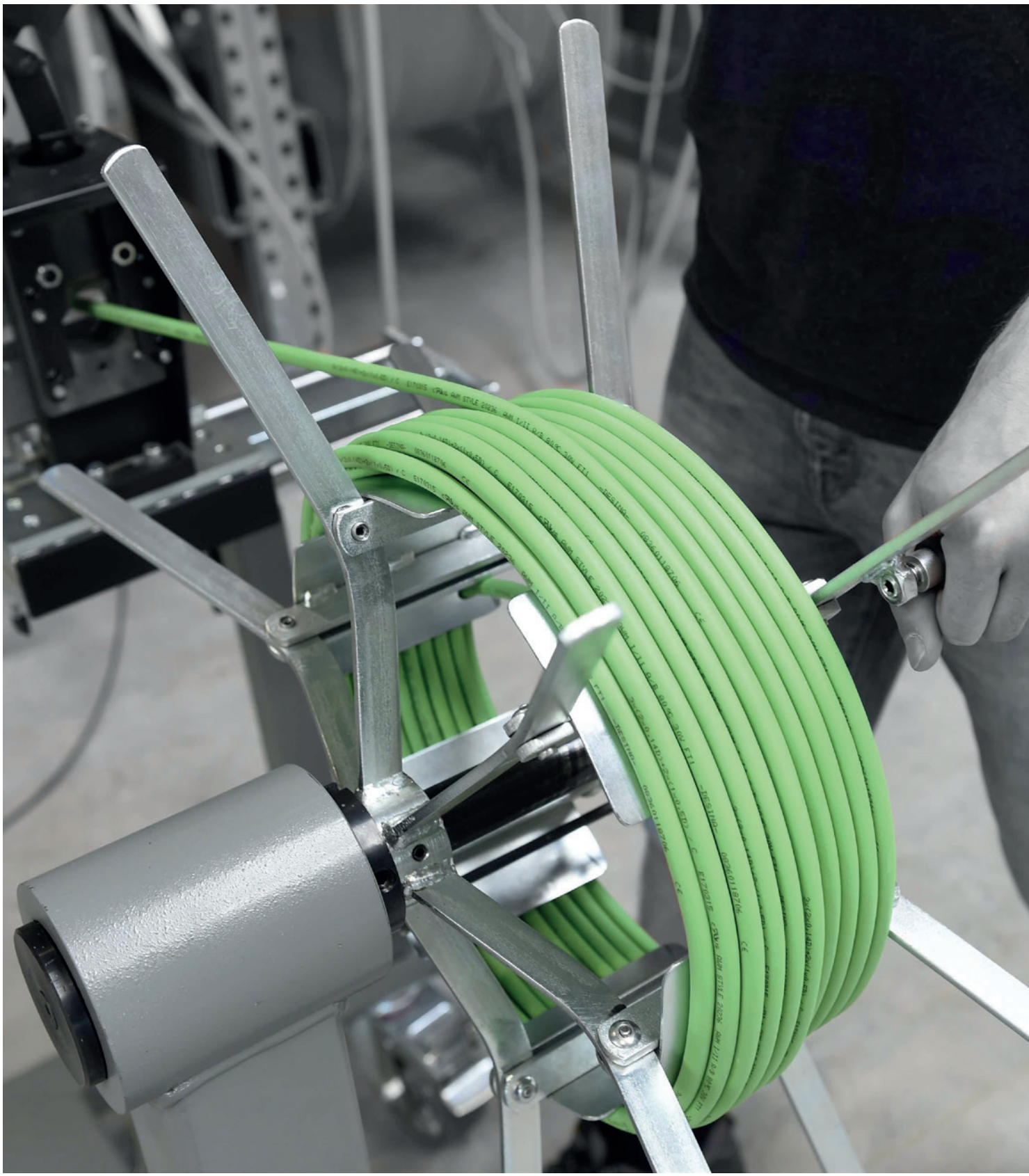
Whether rapid assistance on site or time-saving support via telephone. - Our in-house customer service team is there for you. For us, this service is not just any old service, but is regarded as part of our partnership-based cooperation. Our products are synonymous with high quality and a long service life, and we attach great importance to the permanent, faultless operability of your machine.

Our in-house customer service team offers regular checks and maintenance to ensure maximum operational reliability and a long service life of the machines and systems, so that possible breakdowns can be detected and avoided in advance. Furthermore, the operating parameters of your machine can be continuously optimised.

Service at a glance:

- Training
- Commissioning
- Original spare parts
- Technical documentation
- Preventative maintenance
- Customer service
- Telephone support
- Repairs and modifications

MANUAL WINDING TECHNOLOGY



PRODUCTS	PAGE
• MESSROL 450	12 - 15
• MESSROL 670 / 1000	16 - 21
• TISCHROL 450	22 - 23
• TISCHROL 1000	24 - 26
• RINGFIX / SPULFIX	27 - 29
• KOMBITRAK 800	30 - 31
• RINGO 500	32
• TROMBOI 500 / 800 / 1400	33
• TROMBOI 7-10 / 9-14	34
• TROMBOI 2003	35
• TROMTRAK 1250	36
• TROMCAR 1000 / 1250	37

MESSROL 450

Coil and spool rewinder, manual

Rewind coils and spools while simultaneously measuring

Fig.1 MESSROL 450 complete device with RAPID 450 SP, RINGFIX 480 and MESSBOI 10

MESSROL 450

- **Coil and spool rewinder for small coils and spools**

Functionality:

This manual coil and spool rewinder enables to wind winding material like cables, wires etc. from coils or spools into smaller coils or onto smaller spools while at the same time the material is measured exactly.

- Flexible modular system
- Easy winding while simultaneously measuring
- Twisting-free winding of the winding material
- Adjustable break mechnism at the base frame avoid an uncontrolled material flow
- Easy assembly and removal of the coils and spools
- Continuous and central tension of the coils

Fig. 2 MESSROL 450 with spool winding axle, MESSBOI 30 and inlet roller

MESSROL 450

Coil and spool rewinder, manual

Complete device

Complete device	MESSROL 450
Part No.	**86001121**
Components	consisting of:
Frame	85100436
Mobile	85100437
RINGFIX 480	85101211
RAPID 450 SP	85100090
MESSBOI 10	85100471
Technical device	
L x W x H	approx. 1000 x 400 x 1200 mm
Colour	RAL 7005 mouse grey
Weight	approx. 48 kg

Fig. 3 MESSROL 450 complete device

Frame

Technical data	MESSROL 450 basic frame / desk frame
Part No.	**85100436**
Coiler head holder	Ø 20 mm
L x W x H	approx. 1000 x 400 x 350 mm
Coil Weight	max. 25 kg
Colour	RAL 7005 mouse grey
Weight	approx. 14,5 kg

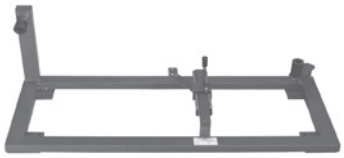


Fig. 4 MESSROL 450 basic frame

Pillars with rollers for basic frame

Technical data	MESSROL 450 mobile
Part No.	**85100437**
Steering rollers (4 pcs. set)	brakeable
Colour	RAL 7005 mouse grey
Material	steel
Weight (Set)	12 kg
Length	approx. 750 mm

Scope: 4 pillars with brakeable steering rollers

Fig. 5 MESSROL 450 pillar mobile

Inlet roller for unwinding from cable drums

Technical data	MESSROL 450 inlet roller
Part No.	**85100438**
Inlet roller	Ø 50 mm
Colour	RAL 7005 mouse grey
Material	steel
Weight	approx. 3,4 kg

Fig. 6 MESSROL 450 inlet roller

MESSROL 450

Coil and spool rewinder, manual

Coiler head

Technical data	RAPID 400 SP	RAPID 450 SP
Part No.	**85100089**	**85100090**
Coil Ø	max. 400 mm	max. 450 mm
Winding width	max. 70 mm	max. 70 mm
Core Ø	130 mm	250 mm
Axle Ø	20 mm	20 mm
Coil weight	max. 15 kg	max. 15 kg
Colour	galvanised	galvanised
Material	steel	steel
Weight	approx. 4,0 kg	approx. 4,5 kg

Fig. 7 RAPID 400 SP

Spool winding axle

Technical data	Spool winding axle
Part No.	**86118100**
Spool Ø	max. 310 mm
Spool width	max. 220 mm
Spool bore	25 - 80 mm
Spool weight	max. 10 kg
Axle holder	20 mm
Axle	Ø 16 mm x 270 mm
Colour	RAL 7035 light grey

Fig. 8 Spool winding axle

Coil unwinding plate

Technical data	RINGFIX 480
Part No.	**85101509**
Coil Ø	max. 470 mm
Plate Ø	480 mm
Height core bolts	250 mm
Core adjusting range	140 - 320 mm
Coil weight	max. 20 kg
Colour	galvanised
Weight	approx. 15 kg

Fig. 9 RINGFIX 480

Spool unwinding plate

Technical data	SPULFIX 480
Part No.	**85101516**
Spool Ø	max. 470 mm
Spool width	max. 150 mm
Plate Ø	480 mm
Core bolt dimensions	Ø 16 x 200 mm
Centering cone for bore Ø	25 - 80 mm
Spool weight	max. 25 kg
Colour	galvanised
Weight	approx. 5,7 kg

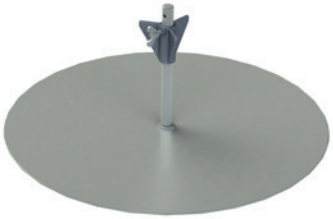


Fig. 10 SPULFIX 480

MESSROL 450

Coil and spool rewinder, manual

Length measuring device

Technical data	MESSBOI 10	MESSBOI 10 (MID)*
Part No.	**85100471**	**86100471**
Winding good Ø	1-15 mm	1-10 mm
L x W x H	approx. 160 x 110 x 85 mm	approx. 160 x 110 x 85 mm
Counter with reset key	9999,99 m	9999,99 m
Meassuring accuracy	+/-2 %	+/- 0,5 %
Measuring force	spring preasure	spring preasure
Measuring wheel	plastic	plastic
Housing	polystyrol	polystyrol
Colour	black / white	black / white
Weight	approx. 0,5 kg	approx. 0,5 kg

Fig.11 MESSBOI 10

Technical data	MESSBOI 30*
Part No.	**85001000**
Winding good Ø	1-30 mm
L x W x H	approx. 130 x 130 x 320 mm
Counter with reset key	9999,99 m
Measuring accuracy	+ /- 2 %
Measuring wheel	aluminium
Housing	aluminium diecasting
Hand grip	slip-resistant rubber
Colour	RAL 7005 mouse grey

Fig.12 MESSBOI 30

* MESSBOI 10 MID (Measuring Instrument Directive) / conformity assessment regarding measuring accuracy III (formerly first calibration) for coated round material issued by German calibration authority for a period of 2 years. Valid for all EU / EEA member states. Only approved for useage in direct sales!
* MESSBOI 30 is a discontinued model.

Indoor use only. Fig. may differ from original.

MESSROL 670 / 1000

Coil and spool winder, manual

Manual winding, measuring and cutting

Fig. 1 MESSROL 670 with RAPID 600 SP and MESSBOI 30

MESSROL 670 / 1000

- **Coil and spool winder**

Functionality:

This manual coil and spool winder enables to wind winding material like cables, wires etc. into coils or onto spools while length measuring and cut to length at the same time.

- Modular system
- Easy winding while length measuring at the same time
- Movable traversing slide for a smooth winding pattern
- Coiler head according to coil dimensions
- Easy assembly and removal of the coils and spools
- Optional: cutting device
- Optimal combination / supplement with unwinder or cable drum rack

Modular system

Possible combination:

Fig. 2 MESSROL 1000 basic frame

+

Fig.3 RAPID 800 SL

+

Fig.4 MESSBOI 40 BAE with inlet roller cage and MATIS 25 M

=

Fig. 5 MESSROL 1000 with RAPID 800 SL, MESSBOI 40 BAE, inlet roller cage and MATIS 25 M

kabelmat
easy winding, easy working.

MESSROL 670 / 1000

Coil and spool winder, manual

Complete device

- **Complete device with measuring device**

Complete device	MESSROL 670
Part No.	**86100015**
Components	consisting of:
Basic frame	Part No. 86180439
MESSBOI 30	Part No. 85001000
RAPID 600 SP	Part No. 85100091
Technical data	
L x W x H	approx. 880 x 680 x 1210 mm
Colour	RAL 7005 mouse grey
Weight	approx. 52 kg

Fig. 6 MESSROL 670 complete device

- **Complete device with measuring device / cutting unit**

Complete device	MESSROL 1000
Part No.	**85100015**
Components	consisting of:
Basic frame	Part No. 85100439
MESSBOI 40 BAE	Part No. 85100003
Inlet roller cage	Part No. 85100189
MATIS 25	Part No. 85100163
RAPID 600 SP	Part No. 85100091
Technical data	
L x W x H	approx. 1250 x 710 x 910 mm
Colour	RAL 7005 mouse grey
Weight	approx. 80 kg

Fig. 7 MESSROL 1000 complete device

- **Complete device without measuring device / cutting unit**

Complete device	MESSROL 1000 RM
Part No.	**86180500**
Components	consisting of:
Basic frame	Part No. 86180440
RAPID 850 ST	Part No. 85100466
Technical data	
L x W x H	approx. 1200 x 710 x 1135 mm
Colour	RAL 7005 mouse grey
Weight	approx. 75 kg

Fig. 8 MESSROL 1000 RM complete device

MESSROL 670 / 1000

Coil and spool winder, manual

Basic frame

Technical data	MESSROL 1000	MESSROL 670
Part No.	**85100439**	**86180439**
Coiler head Ø	max. 1000 mm	max. 670 mm
Colier head holder	30 mm	30 mm
Traversing width	250 mm	250 mm
L x W x H	approx. 1200 x 710 x 910 mm	approx. 860 x 680 x 910 mm
Weight	approx. 51 kg	approx. 41 kg

Scope: Steel profile frame, lockable steering rollers, traversing slide with holder for measuring device

Fig. 9 MESSROL 1000 basic frame

Technical data	MESSROL 1000 RM
Part No.	**86180440**
Coiler head Ø	max. 1000 mm
Coiler head holder	30 mm
Traversing width	250 mm
L x W x H	approx. 1200 x 710 x 910 mm
Weight	approx. 35 kg

Scope: Steel profile frame, lockable steering rollers

Fig. 10 MESSROL 1000 RM basic frame

Length measuring unit and accessory

Technical data	MESSBOI 30*
Part No.	**85001000**
Material Ø	1- 30 mm
Counter	9999,99 m
L x W x H	approx. 130 x 130 x 320 mm
Measuring wheel	aluminium
Colour	RAL 7005 mouse grey
Weight	approx. 2,2 kg

Fig. 11 MESSBOI 30 length measuring device

Technical data	Roller cages for MESSBOI 30*
Part No.	**85100541**

Additional roller cages for a better guiding of the material. Recommended when MESSROL is used in combination with an unwinder.

Fig. 12 Roller cages for MESSBOI 30

* Note: MESSBOI 30 (Part No. 85001000) and and roller cages (Part No. 85100541) are discontinued models.

MESSROL 670 / 1000

Coil and spool winder, manual

Length measuring device

Technical data	MESSBOI 40 BAE*
Part No.	**85100003**
Material Ø	1 - 40 mm
Material Ø with conformity assessment	2 - 25 mm
L x W x H	approx. 320 x 320 x 280 mm
Counter with reset key	9999,99 m
Measuring wheel circuit	0,5 m
Error limit with roller cages due to class of accuracy III	+ / - 0,5 %
Weight	12 kg

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

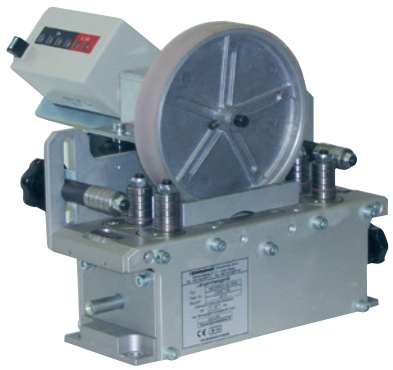


Fig. 13 MESSBOI 40 BAE length measuring device

Roller cages

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 cable drum rack	-	✓	-	✓
Rollers horizontal adjustable	✓	✓	✓	✓
Rollers horizontal and vertical adjustable	✓	✓	-	✓
Material Ø	max. 40 mm	max. 40 mm	max. 40 mm	max. 40 mm
Outlet rollers Ø	35 mm	35 mm	-	-
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 galvanised	steel galvanised	steel galvanised	steel galvanised
Guiding rollers inlet	stainless steel	plastic	plastic	stainless steel
Guiding rollers outlet	stainless steel	stainless steel	-	-

Conformity assessment

Technical data	Conformity assessment / MID (formerly first calibration)
Part No.	**146**

Conformity assessment / MID (formerly first calibration)
of the length measuring unit with additional inlet and outlet roller cages is approved by German Authorities for a period of two years from date of delivery, valid for all EEA Member States. Conformity has to be carried out in the manufacturing firm. Prolongation of this approval after 2 years had expired is not included in the delivery) **Only approved for useage in direct sales!**

MESSROL 670 / 1000

Coil and spool winder, manual

Cutting devices and accessory

Technical data	MATIS 25 M cutter	MATIS 35 cutter loose
Part No.	**85100163**	**85100162**
mounted on MESSBOI 40	✓	-
Material Ø	max. 25 mm	max. 35 mm
Weight	approx. 4,9 kg	approx. 3,9 kg
Colour plastic cover	yellow	yellow

Fig. 18 MATIS 25 M (mounted)

Fig. 19 MATIS 35 loose

Technical data	Holder for cutter MATIS 35 loose
Part No.	**85100558**
mounted on basic frame	✓
L x W x B	approx. 150 x 50 x 400 mm
Weight	approx. 2,5 kg
Colour	RAL 7005 mouse grey

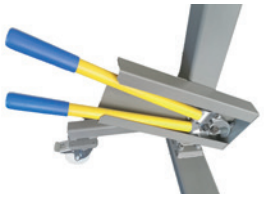


Fig. 20 Holder for MATIS 35

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

Fig. 21 MATIS 40

Technical data	Alu profile for lever shear
Part No.	**86100005**
With mounting plates for roller cages, measuring unit and MATIS 40 onto MESSROL.	

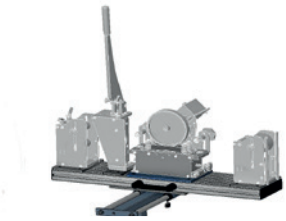


Fig. 22 Alu profile for MATIS 40

Spool winding axle

Technical data	Spool winding axle 800 MB	Spool winding axle 800 RB
Part No.	**85100435**	**85100555**
Spool Ø	max. 800 mm	max. 800 mm
Spool width	max. 250 mm	max. 405 mm (at bore hole 35 mm)
		max. 415 mm (at bore hole 50 mm)
		max. 445 mm (at bore hole 85 mm)
Drum bore	40 - 80 mm	35 - 85 mm
Axle holder Ø	30 mm	30 mm
Axle Ø	30 mm	30 mm
Loading capacity	max. 60 kg	max. 100 kg
Weight	approx. 8 kg	approx. 10 kg

Fig.23 Spool winding axle 800 MB

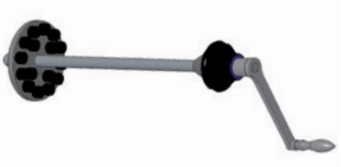


Fig.24 Spool winding axle 800 RB

MESSROL 670 / 1000

Coil and spool winder, manual

Coiler head

Fig. 7 RAPID 600 SP

Fig. 8 RAPID 670 ST

Fig. 9 RAPID 480 SL

Fig. 10 RAPID 800 SL

Technical data	RAPID 600 SP
Part No.	**85100091**
Coil Ø	max. 600 mm
Core Ø	300 mm
Coil width	120 mm
Loading capacity	max. 25 kg
Axle holder Ø	30 mm
Weight	approx. 8 kg
Colour	galvanised

Technical data	RAPID 480 ST	RAPID 670 ST	RAPID 850 ST	RAPID 1000 ST
Part No.	**85100557**	**85100465**	**85100466**	**85100884**
Coil Ø	max. 480 mm	max. 670 mm	max. 850 mm	max. 1000 mm
Core adjusting range (adjustable in steps)	200/250/300/350 mm	250/400/500 mm	250/350/450/ 550/650 mm	250/350/450/550/650 mm
Coil width	80 - 250 mm	80 - 250 mm	80 - 250 mm	80 - 250 mm
Loading capacity	max. 50 kg	max. 80 kg	max. 80 kg	max. 80 kg
Axle holder Ø	30 mm	30 mm	30 mm	30 mm
Weight	approx. 25 kg	approx. 28 kg	approx. 32 kg	approx. 38 kg
Colour	RAL 3020 traffic red	RAL 3020 traffic red	RAL 3020 traffic red	RAL 3020 traffic red

Technical data	RAPID 480 SL	RAPID 800 SL
Part No.	**85100083**	**85100174**
Coil Ø	max. 480 mm	max. 800 mm
Core adjusting range (continuously adjustable)	200 - 370 mm	300 - 550 mm
Coil width	50 - 250 mm	50 - 250 mm
Loading capacity	max. 65 kg	max. 80 kg
Axle holder Ø	30 mm	30 mm
Weight	approx. 40 kg	approx. 70 kg
Colour	RAL 3020 traffic red	RAL 3020 traffic red

Indoor use only. Fig. may differ from original.

TISCHROL 450

Coil and spool winder, manual

Practical table winder

Fig. 1 TISCHROL Complete device TISCHROL 1:3 with spool winding axle

TISCHROL 450

- **Coil and spool winder for small coils and spools**

Functionality:

This manual coil and spool winder enables to wind winding material like cables, wires etc. into small coils or onto small spools. A main feature is an economic transmission ratio of 1:3.

- User-friendly hand winder
- Transmission ratio between rotary speed and winding speed 1:3
- Coiler head depending on coil size

Fig. 2 RAPID 450 SP folded for the removal of the coil

Fig. 3 RAPID 400 SP

Complete device

Technical data	TISCHROL 450 complete device
Part No.	**85100012**
Transmission ratio	1:3
Loading capacity	max. 10 kg
Spool plate Ø	300 mm
Spool width at bore 80 mm	165 mm
Spool width at bore 25 mm	135 mm
Axle holer Ø	20 mm
Axle	Ø 16 x 200 mm
Colour pillar / Colour plate	RAL 7005 mouse grey / RAL 7035 light grey
L x W x H	approx. 300 x 445 x 410 mm

Supply: Pillar, base plate, hand crank, spool winding axle

TISCHROL 450

Coil and spool winder, manual

Modular system

Possible combination:

Fig. 4 TISCHROL 1:1 basic frame

+

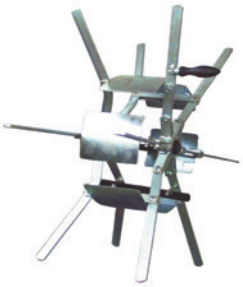


Fig. 5 RAPID 450 SP

=

Fig. 6 TISCHROL 1:1 with RAPID 450 SP

Basic frame

Technical data	TISCHROL 1:1	TISCHROL 1:3
Part No.	**85100433**	**85100434**
Transmission ratio	1:1	1:3
Axle holder Ø	20 mm	20 mm
Dimension base plate to centre line	250 mm	250 mm
Coiler head	max. 450 mm	max. 450 mm
Weight	approx. 2,6 kg	approx. 3,8 kg
Colour	RAL 7005 mouse grey	RAL 7005 mouse grey
L x W x H	approx. 100 x 270 x 325 mm	approx. 100 x 270 x 295 mm

Supply: Pillar, base plate and hand crank

Coiler head

Technical data	RAPID 400 SP	RAPID 450 SP
Part No.	**85100089**	**85100090**
Winding marterial Ø	max. 400 mm	max. 450 mm
Coil width	70 mm	70 mm
Core Ø	130 mm	250 mm
Axle holder Ø	max. 20 mm	max. 20 mm
Coil Weight	max. 15 kg	max. 15 kg
Colour	galvanised	galvanised
Material	steel	steel
Weight	approx. 4 kg	approx. 4,5 kg

Spool winding axle

Technical data	Spool winding axle
Part No.	**85100100**
Loading capacity	max. 10 kg
Spool plate Ø	300 mm
Spool width at bore hole 80 mm	165 mm
Spool width at bore hole 50 mm	150 mm
Spool width at bore hole 25 mm	135 mm
Axle holder Ø	20 mm
Axle	Ø 16 x 200 mm
Colour	RAL 7035 light grey
Weight	approx. 1,5 kg

Indoor use only. Fig. may differ from the original.

Fig. 7 Spool winding axle

TISCHROL 1000

Coil and spool winder, manual

Practical table or or stand winder

Fig. 1 TISCHROL 1000 with RAPID 600 SP

Fig. 2 TISCHROL 1000-H with RAPID 600 SP and MESSBOI 30 in combination with TROMBOI 500 drum unwinder

TISCHROL 1000

- **Coil and spool winder**

Functionality:

This manual coil and spool winder enables to wind winding material like cables, wires etc. into coils or onto emty spools. TISCHROL 1000 is available in two versions: table or stand winder

- User-friendlly winder
- Modular system
- Twisting-free winding of the winding material
- Coiler head according to coil dimensions
- Easy assembly and removal of the coils and spools
- Length measurement possible

Modular system

Possible combination:

Fig. 3 TISCHROL 1000 basic frame

+

Fig. 4 RAPID 600 SP

=

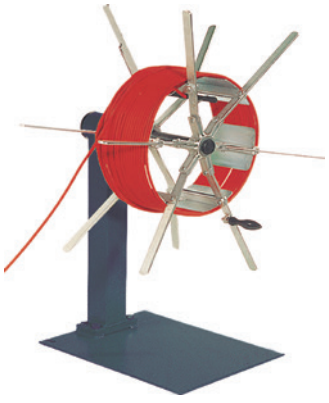


Fig. 5 TISCHROL 1000 with RAPID 600 SP

TISCHROL 1000

Coil and spool winder, manual

Basic frame

Technical data	TISCHROL 1000	TISCHROL 1000 H
Part No.	**85100180**	**86003049**
Coil Ø	max. 1000 mm	max. 1000 mm
Axle holder	30 mm	30 mm
Transmission ratio	1 : 1	1 : 1
L x W x H	approx. 450 x 330 x **580** mm	approx. 450 x 330 x **1065** mm
Weight	approx. 20 kg	approx. 26 kg
Colour	RAL 7005 mouse grey	RAL 7005 mouse grey
Supply: Support and base plate without accessories | To guarantee a stable and user-friendly operation, we recommend the fixing of the bottom plate by screwing it on the underground.		

Fig. 6 TISCHROL 1000

Coiler head

Fig. 7 RAPID 600 SP

Fig. 8 RAPID 670 ST

Fig. 9 RAPID 480 SL

Fig. 10 RAPID 800 SL

Technical data	RAPID 600 SP
Part No.	**85100091**
Coil Ø	max. 600 mm
Core Ø	300 mm
Coil width	120 mm
Loading capacity	max. 25 kg
Axle holder Ø	30 mm
Weight	approx. 8 kg
Colour	galvanised

Technical data	RAPID 480 ST	RAPID 670 ST	RAPID 850 ST	RAPID 1000 ST
Part No.	**85100557**	**85100465**	**85100466**	**85100884**
Coil Ø	max. 480 mm	max. 670 mm	max. 850 mm	max. 1000 mm
Core adjusting range	200/250/300/350 mm	250/400/500 mm	250/350/450/ 550/650 mm	250/350/450/550/650 mm
Coil width	80 - 250 mm	80 - 250 mm	80 - 250 mm	80 - 250 mm
Loading capacity	max. 50 kg	max. 80 kg	max. 80 kg	max. 80 kg
Axle holder Ø	30 mm	30 mm	30 mm	30 mm
Weight	approx. 25 kg	approx. 28 kg	approx. 32 kg	approx. 38 kg
Colour	RAL 3020 traffic red	RAL 3020 traffic red	RAL 3020 traffic red	RAL 3020 traffic red

Technical data	RAPID 480 SL	RAPID 800 SL
Part No.	**85100083**	**85100174**
Coil Ø	max. 480 mm	max. 800 mm
Core adjusting range	200 - 370 mm	300 - 550 mm
Coil width	50 - 250 mm	50 - 250 mm
Loading capacity	max. 65 kg	max. 80 kg
Axle holder Ø	30 mm	30 mm
Weight	approx. 40 kg	approx. 70 kg
Colour	RAL 3020 traffic red	RAL 3020 traffic red

TISCHROL 1000

Coil and spool winder, manual

Spool winding axle

Fig. 8 Spool winding axle 800 MB

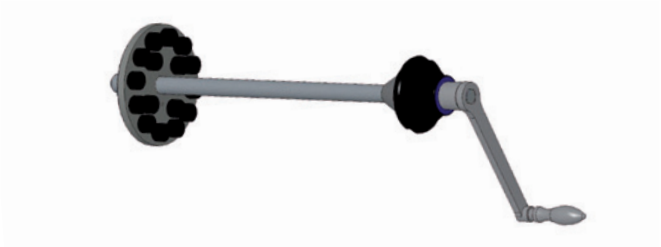


Fig. 9 Spool winding axle 800 RM

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. 250 mm	max. 405 mm (at bore hole 35 mm)
		max. 415 mm (at bore hole 50 mm)
		max. 445 mm (at bore hole 85 mm)
Drum bore	40 - 80 mm	35 - 85 mm
Axle holder Ø	30 mm	30 mm
Axle Ø	30 mm	30 mm
Loading capacity	max. 60 kg	max. 100 kg
Weight	approx. 8 kg	approx. 10 kg

Length measuring device and holder

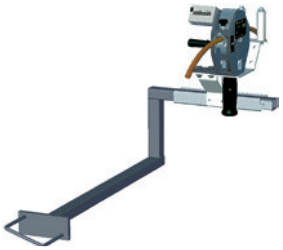


Fig. 10 Holder for MESSBOI 10/ 30

Fig. 11 MESSBOI 10

Fig.12 MESSBOI 30

Technical data	TISCHROL holder for length measuring device MESSBOI 10 /30	Roller cage for length measuring device MESSBOI 30*
Part No.	**85100542**	**85100541**
Weight	3,5 kg	-
L x W x H	630 x 365 x 360 mm	-

Technical data	MESSBOI 10	MESSBOI 10 (MID)*	MESSBOI 30*
Part No.	**85100471**	**86100471**	**85001000**
Winding good Ø	1 - 15 mm	1 - 10 mm	1 - 30 mm
L x W x H	approx. 160 x 110 x 85 mm	approx. 160 x 110 x 85 mm	approx. 130 x 130 x 320 mm
Counter with reset key	9999,99 m	9999,99 m	9999,99 m
Tolerance	+/-2 %	+/- 0,5 %	+/- 2 %
Measuring force	spring preasure	spring preasure	spring preasure
Measuring wheel	plastic	plastic	aluminium
Housing	polystyrol	polystyrol	aluminium die-casting
Colour	black / white	black / white	RAL 7005 mouse grey
Weight	approx. 0,5 kg	approx. 0,5 kg	approx. 2,2 kg

* Note: MESSBOI 30 (Part No. 85001000) and roller cage (Part No. 85100541) are discontinued models.
Indoor use only. Fig. may differ from original.

RINGFIX / SPULFIX

Coil and spool unwinder, manual

Also available for tubes and plastic pipes

Fig. 1 RINGFIX TABLE with RINGFIX 480

Fig. 2 RINGFIX MOBILE with RINGFIX 480

Fig. 3 RINGFIX STATIONARY with RINGFIX 480

RINGFIX / SPULFIX

- **Coil and spool unwinder (Modular system or complete device)**

Functionality:

This manual coil and spool unwinder enables to pull off material like cables, wires, tubes, plastic pipes etc. from coils or spools. Adjustable break mechanism avoid an uncontrolled material flow. Coils and and spools rest with their dead weight centrally tensioned on the winding plates. A separate bouncing protection is the optimal addition to unwind tubes and plastic pipes easily.

- Twisting-free unwinding of the winding material
- Adjustable break mechnism at the base frame avoid an uncontrolled material flow
- Easy assembly and removal of the coils and spools
- Continuous and central tension of the coils
- Optional: Bouncing protection for unwinding tubes or plastic pipes

Modular system

Possible combination:

Fig. 4 RINGFIX TABLE Version

+

Fig. 5 RINGFIX 480

=

Fig. 6 RINGFIX TABLE with RINGFIX 480

Basic frame incl. break mechanism

Technical data	RINGFIX TABLE	RINGFIX MOBILE	RINGFIX STATIONARY
Part No.	**85101513**	**85101514**	**85101515**
Unwinding height	160 mm	825-975 mm	695-840 mm
L x W x H	520 x 520 x 102 mm	1045 x 1045 x 920 mm	880 x 880 x 790 mm
Plate Ø	480 - 800 mm	480 - 800 mm	480 - 800 mm
Colour	RAL 7005 mouse grey	RAL 7005 mouse grey	RAL 7005 mouse grey
Weight	approx. 8,5 kg	approx. 32 kg	approx. 27 kg
Incl. rollers (set)	-	✓	-

RINGFIX / SPULFIX

Coil and spool unwinder, manual

For cable coils

Fig. 5 RINGFIX TABLE with RINGFIX 480

For tube and plastic pipe coils

Fig. 6 RINGFIX TABLE with RINGFIX 480 and bouncing protection for tubes / plastic pipe

Coil unwinding plates

Technical data	RINGFIX 480	RINGFIX 650	RINGFIX 800
Part No.	**85101509**	**85101510**	**85101511**
Coil Ø	max. 470 mm	max. 640 mm	max. 790 mm
Plate Ø	480 mm	650 mm	800 mm
Height core bolts	250 mm	250 mm	250 mm
Core adjusting range	140 - 320 mm	180 - 500 mm	220 - 660 mm
Coil weigth	max. 20 kg	max. 20 kg	max. 20 kg
Colour	galvanised	galvanised	galvanised
Weight	approx. 15 kg	approx. 26 kg	approx. 38 kg

Bouncing protection

- Border pins and cover plate to avoid the bounce of the coil (e.g. for tubes and plastic pipes)

Technical data	for RINGFIX 480	for RINGFIX 650	for RINGFIX 800
Part No.	**85101504**	**85101507**	**85101512**
Cover plate Ø	max. 480 mm	max. 650 mm	max. 800 mm
Incl. 5 border pins	✓	✓	✓
Height border pins	305 mm	305 mm	305 mm
Coil height	max. 230 mm	max. 230 mm	max. 230 mm
Weight	7,3 kg	10 kg	12,5 kg
Weight cover plate	2,7 kg	3,8 kg	4,8 kg
Colour cover plate	RAL 7005 mouse grey	RAL 7005 mouse grey	RAL 7005 mouse grey
Colour border pins	galvanised	galvanised	galvanised

Spool unwinding plate

Technical data	SPULFIX 480
Part No.	**85101516**
Spool Ø	max. 470 mm
Spool width	max. 150 mm
Plate Ø	480 mm
Core bolt dimensions	Ø 16 - 200 mm
Centering cone for bore Ø	25 - 80 mm
Spool weight	max. 20 kg
Colour	galvanised
Weight	5,5 kg

Fig. 7 SPULFIX 480

RINGFIX / SPULFIX

Coil and spool unwinder, manual

Complete devices

- for unwinding small coils and spools

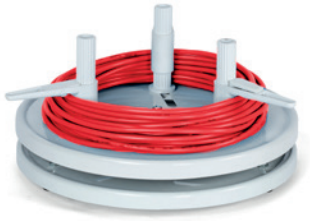


Fig. 8 RINGFIX 300

Fig. 9 SPULFIX 300

Coil unwinder

Technical data	RINGFIX 300	RINGFIX 450
Part No.	**85100004**	**85100005**
Coil Ø	max. 290 mm	max. 440 mm
Height centering pin	110 mm	110 mm
Core adjusting range	90 - 190 mm	150 - 250 mm
Coil weight	max. 10 kg	max. 12 kg
Colour	RAL 7035 light grey	RAL 7035 light grey
Weight	approx. 2,5 kg	approx. 4,5 kg

Spool unwinder

Technical data	SPULFIX 300	SPULFIX 450
Part No.	**85100007**	**85100475**
Spool Ø	max. 290 mm	max. 440 mm
Spool height	max. 150 mm	max. 150 mm
Centering cone for bore Ø	25 - 80 mm	25 - 80 mm
Core bolt dimensions	Ø 16 x 200 mm	Ø 16 x 200 mm
Spool weight	max. 10 kg	max. 12 kg
Colour	RAL 7035 light grey	RAL 7035 light grey
Weight	approx. 2,5 kg	approx. 4,5 kg

Indoor use only. Fig. may differ from original.

KOMBITRAK 800

Coil and spool unwinder, manual

For heavy coils and spools

Fig. 1 KOMBITRAK 800 T with coiler head RAPID 800 SL

Fig.2 Back side KOMBITRAK 800 T

Fig.3 Back side KOMBITRAK 800 B

Fig. 4 Spool winding axle 800 MB

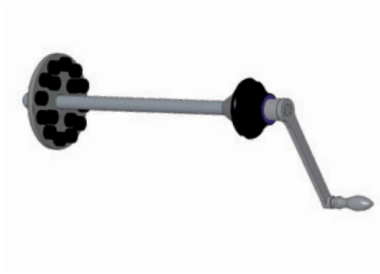


Fig. 5 Spool winding axle 800 RM

KOMBITRAK 800

- **Coil and spool unwinder with mechanical break or pendulum with rope break**

Functionality:

This manual coil and spool unwinder enables to pull off material like cables, wires etc. from coils or spools. Adjustable break mechanism avoid an uncontrolled material flow.

- Twisting-free pull off of the winding material
- Adjustable break mechnism avoid an uncontrolled material flow
- Coiler head according to coil dimensions
- Easy assembly and removal of the coils and spools
- Continuous and central tension of the coils

KOMBITRAK 800

Coil and spool unwinder, manual

Base frame

Technical data	KOMBITRAK 800 B	KOMBITRAK 800 T
Part No.	**87000305**	**85100912**
Break mechanism	with mechanical break	with pendulum and mechanical break
Winding head Ø	max. 800 mm	max. 800 mm
Spool Ø	max. 800 mm	max. 800 mm
Spool/ Coil width	according to specification of the winding axle / coiler head	according to specification of the winding axle / coiler head
Locating bore	30 mm	30 mm
Loading weight	max. 100 kg	max. 100 kg
L x W x H	approx. 1200 x 1000 x 1000 mm	approx. 1200 x 1000 x 1000 mm
Weight	approx. 70 kg	approx. 70 kg
Colour	RAL 7005 mouse grey	RAL 7005 mouse grey
Running direction	from right to left	from right to left

Coiler head

Technical data	RAPID 480 SL	RAPID 800 SL
Part No.	**85100082**	**85100101**
Coil Ø	max. 480 mm	max. 800 mm
Core range continuously adjustable	200-370 mm	300-550 mm
Coil width	50-250 mm	50-250 mm
Loading capacity	max. 65 kg	max. 80 kg
Axle holder Ø	30 mm	30 mm
Weight	approx. 40 kg	approx. 70 kg
Colour	RAL 3020 traffic red	RAL 3020 traffic red

Spool winding axle

Technical data	Spool winding axle 800 MB	Spoolwinding axle 800 RM
Part No.	**85100103**	**87000224**
Spool Ø	max. 800 mm	max. 800 mm
Spool width	max. 250 mm	max. 405 mm (at bore hole 35 mm)
		max. 415 mm (at bore hole 50 mm)
		max. 445 mm (at bore hole 85 mm)
Core hole of the spool	40-80 mm	35-85 mm
Axle holder Ø	30 mm	30 mm
Axle Ø	30 mm	30 mm
Axle length	600 mm	
Loading weight	max. 60 kg	max. 100 kg
Weight	approx. 8 kg	approx. 10 kg

Indoor use only. Fig. may differ from original.

RINGO 500

Manual unwinder for cable drums and coils

Fig. 1 RINGO 500 with cable coil

Fig. 2 RINGO 500 with cable drum

Fig. 3 RINGO 500 top part for drum

RINGO 500

Perfect for building site

- **Universal unwinder for cable drums and coils**

Functionality:

This universal unwinder enables to unwind cable drums and coils twisting-free at the place of processing.

- Compact design
- Dynamic roll-off brake for a steady tensile force: The breaking effect is adapted to the supported weight
- Low weight
- Small dimension
- Also suitable for damaged drums
- Maintenance-free
- Slipping-free
- Outdoor use possible

Technical data	RINGO 500
Part No.	**85102215**
Loading weight	max. 380 kg
Coil outer Ø	max. 500 mm
Coil inner Ø	min. 120 mm
Weight	approx. 7 kg

Fig. may differ from the original.

TROMBOI 500 / 800 / 1400

Manual unwinder for cable drums

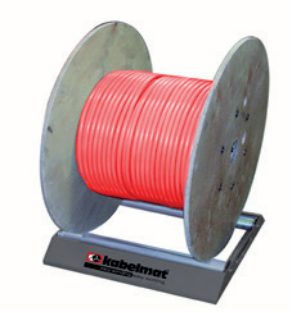


Fig. 1 TROMBOI 500

Fig. 2 TROMBOI 500 MOBILE

Fig. 3 TROMBOI 800

Fig. 4 TROMBOI 1400

TROMBOI 500 - 1400

Compact design

- **Unwinder for cable drums from 140 to 1500 kg**

Functionality :

These manual drum unwinders enables to unwind cable drums made from wood, steel, plastic easy and twist-free at the place of processing.

- Compact design
- Loading ramp
- Easy, twist-free unwinding
- Adjustable ball bearing mounted carrying rollers

Technial Data	TROMBOI 500	TROMBOI 500 MOBILE	TROMBOI 800	TROMBOI 1400
Part No.	**85100910**	**85100915**	**85100009**	**85100010**
Drum Ø	150 -700 mm	150 - 700	400 - 1000 mm	500 - 1800 mm
Drum width	max. 520 mm	max. 520 mm	max. 580 mm	variable
Drum weight*	max. 140 kg	max. 140 kg	max. 500 kg	max. 1500 kg
L x W x H	550 x 530 x 80 mm	550 x 530 x 80 mm	700 x 700 x 140 mm	(2) x 760 x 270 x 140 mm
Colour	RAL 7005 mouse grey	RAL 7005 mouse grey	galvanised	galvanised
Side guide rollers	-	-	2 piece ball bearing mounted	2 piece ball bearing mounted
Unwinding rollers	2 piece ball bearing mounted	2 piece ball bearing mounted	2 piece double ball bearing mounted	4 piece double ball bearing mounted
Weight	approx. 8 kg	approx. 8 kg	approx. 21 kg	approx. 27 kg
Driving wheels with locking brake (full set)	-	✓	-	-

Accessories	
Part No.	**Description**
85100911	Driving wheels with locking brake (set = 4 piece) for TROMBOI 500

* Drum weight indications are only valid for non-continuous unwinding with undamaged cable drums.
Indoor use only. Fig. may differ from the original.

TROMBOI 7-10 / 9-14

Manual unwinder for cable drums

Fig. 1 TROMBOI 7-10 with drum sample

Fig. 2 TROMBOI 7-10

TROMBOI 7-10 / 9-14

High stability

- **Unwinder for cable drums max. 1000 kg / max. 1700 kg**

Functionality:

The manual drum unwinders enables to unwind the cable drums easy and twisting-free at the place of processing.These unwinders are qualified for cable drums made from wood, steel and plastics.

- Due to axle bearing only low tensile force is needed
- Also suitable for cable drums with damaged drum flange (unwinding performance will not be affected dur to axle bearing)
- High stability via largely dimensioned base plates
- Easy lifting of the cable drum via lever mechanism
- Stabil steel welded construction

Technical Data	TROMBOI 7-10	TROMBOI 9-14
Part No.	**85005031**	**85005041**
Drum-Ø	710 - 1000 mm	900 - 1400 mm
Drum axle incl. cones	Ø 34 x 840 mm	Ø 60 x 1140 mm
Drum weight	max. 1000 kg	max. 1700 kg
L x W	approx. 500 x 240 mm	approx. 600 x 250 mm
Height adjustable	420 - 600 mm	700 - 830 mm
Colour	RAL 7005 mouse grey	RAL 7005 mouse grey
Weight (incl. axle with cones)	approx. 32 kg / pair	approx. 51 kg / pair

Accessories			
Part No.	**Description**	**for TROMBOI 7-10**	**for TROMBOI 9-14**
85008010	Drum axle Ø 34 x 840 mm | Loading weight max. 1000 kg	✓	✓
85008020	Drum axle Ø 34 x 1140 mm | Loading weight max. 700 kg	✓	✓
85008030	Drum axle Ø 60 x 1140 mm | Loading weight max. 1700 kg	-	✓
85008040	Drum axle Ø 60 x 1340 mm | Loading weight max. 2000 kg	-	✓

Indoor use only. Fig. may differ from the original.

TROMBOI 2003

Manual unwinder for cable drums

Fig. 1 TROMBOI 2003 with drum sample

Fig. 2 TROMBOI 2003

TROMBOI 2003

For heavy drums

- **Unwinder with hand hydraulic pump for cable drums max. 4000 kg**

Functionality:

The manual drum unwinders enables to unwind the cable drums easy and twisting-free at the place of processing.This unwinder is qualified for cable drums made from wood, steel and plastics.

- Particularly suitable for heavy drums
- Due to axle bearing only low tensile force is needed
- Also suitable for cable drums with damaged drum flange (unwinding performance will not be affected due to axle bearing)
- Easy lifting of the drum via hand hydraulic pump
- Lowering of the drum via vent screw
- Stabil steel welded construction

Fig. 3 Hand hydraulic pump

Technical data	TROMBOI 2003
Part No.	**85005091**
Drum Ø	900 - 2000 mm
Drum axle with adjustment ring	Ø 76 x 1700 mm
Drum weight	max. 4000 kg
L x W x H	approx. 550 x 300 x 1520 mm
Colour	RAL 7005 mouse grey
Weight (incl. axle and cones)	approx. 132 kg / pair

Accessories	
Part No.	**Description**
85008020	Drum axle Ø 34 x 1140 mm incl. cones | Loading weight max. 700 kg
85008030	Drum axle Ø 60 x 1140 mm incl. cones | Loading weight max. 1700 kg
85008040	Drum axle Ø 60 x 1340 mm incl. cones | Loading weight max. 2000 kg

Indoor use only. Fig. may differ from the original.

TROMTRAK 1250

Manual unwinder for cable drums

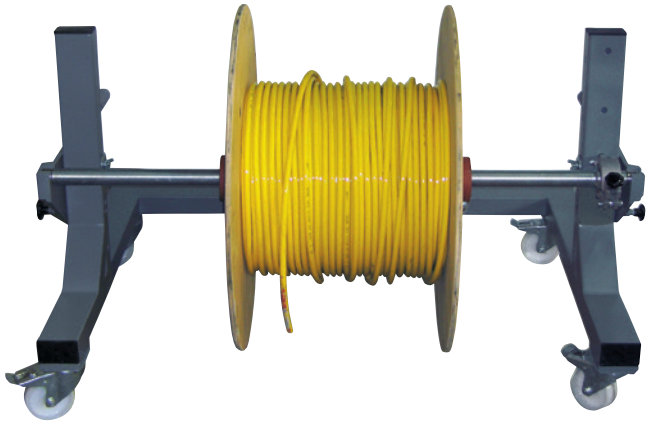


Fig. 1 TROMTRAK 1250 incl. axles with cones

Fig. 2 TROMTRAK 1250 incl. adjustable driving pin

TROMTRAK 1250

Perfect completement to processing line

- **Cable drum unwinder with adjustable break**

Functionality:

The manual drum unwinders enables to unwind the cable drums easy and twisting-free at the place of processing.This unwinder is qualified for cable drums made from wood, steel and plastics and a perfect addition to a Kabelmat cutting automat.

- Suitable for usage in a mechanical processing line
- Base frame with breakable driving wheels
- Drum axle with adjustable shoe break
- Double bearing axle
- Stabil steel welded construction

Technical data	TROMTRAK 1250 with cones	TROMTRAK 1250 with driving pin Ø 25mm	TROMTRAK 1250 with driving pin Ø25 mm
Part No.	**85100011**	**85100581**	**85100582**
Drum-Ø	630-1250 mm	630-1250 mm	630-1250 mm
Drum axle	35 mm	35 mm	60 mm
Drum weight	**max. 250 kg**	**max. 250 kg**	**max. 500 kg**
Drum width	max. 890 mm	max. 810 mm	max. 700 mm
L x B x H (ohne Trommel)	approx. 860 x 1300 x 700 mm	approx. 860 x 1300 x 700 mm	approx. 860 x 1300 x 700 mm
Colour	RAL 7005 mouse grey	RAL 7005 mouse grey	RAL 7005 mouse grey
Weight	approx. 58 kg	approx. 60 kg	approx. 65 kg

Indoor use only. Fig. may differ from the original.

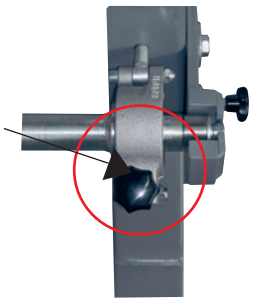


Fig. 3 Shoe break

TROMCAR 1000 / 1250

Unwinder / Transport device for cable drums

Fig. 1 TROMCAR 1000

Fig. 2 TROMCAR 1250

TROMCAR 1000 / 1250

Unwinding and transport

- **Unwinder / Transport device for cable drums**

Functionality:

These stable unwinding and transport devices enables to transport and unwind the cable drums easyily at the place of processing. These devices are qualified for internal transport.

- Flexible usage
- Large transport wheels
- Stabil steel welded construction
- Optional measuring device possible

Technical data	TROMCAR 1000	TROMCAR 1250
Part No.	**85006002**	**85006003**
Drum-Ø	500-1000 mm	500-1250 mm
Drum axle incl. cones	Ø 34 x 840 mm	Ø 34 x 1140 mm
Drum weight	max. 1000 kg	max. 700 kg
Drum width	max. 710 mm	max. 1000 mm
L x W x H	approx. 1600 x 1040 x 770 mm	approx. 1600 x1360 x 830 mm
Colour	RAL 7005 mouse grey	RAL 7005 mouse grey
Weight	approx. 50 kg	approx. 52 kg
Moving equipment	2 transport wheels | 2 pillars	3 transport wheels

Accessories	
Part No.	**Description**
85100540	Mounting incl. roller cages to install length measuring device MESSBOI 30
85001000	MESSBOI 30 length measuring device for winding material-Ø 1-30 mm

Indoor use only. Fig. may differ from the original.

Fig. 3 Mounting incl. roller cages for MESSBOI 30

Fig. 4 MESSBOI 30

MACHINE WINDING TECHNOLOGY

PRODUCTS	PAGE
• AUTOCUT 40	40 - 41
• MESSROL 500	42 - 43
• MOTROL 500	44 - 45
• MOTROL 800 EASY	46 - 47
• MOTROL 800	48 - 49
• MOTROL 1000	50 - 51
• RINGROL 600	52 - 53
• RINGROL 800	54 - 55
• RINGROL 1200	56 - 57
• UMROL 1000 AUF	58 - 59
• UMROL 1400 / 1600 / 2200 AUF	60 - 62
• PORTROL 1000 / 1400 AUF	63 - 64
• PORTROL 1000 / 1400 ABW	65 - 66
• TROMPIN 800 / 1200	67
• SPULFIX 480	68 - 69
• TROMTRAK 1600	70
• TROMROL 2500	71
• SIGNOMAT	72 - 73

AUTOCUT 40

Length cutting machine

**Easy operation -
Exact cutting**

Fig. 1 AUTOCUT 40 with closed protection cover

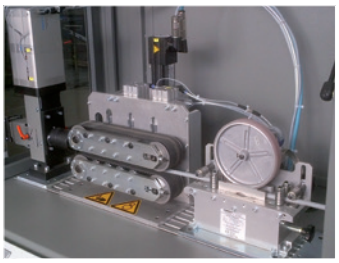


Fig. 2 Installation with a calibratable length measuring device, belt feed and pneumatic cable cutter

Fig. 3 Coiler pin with adjustable drive motor

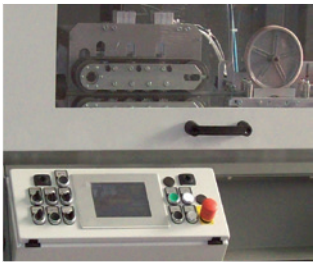


Fig. 4 Control desk with touchpanel and controlled positioning servo drive

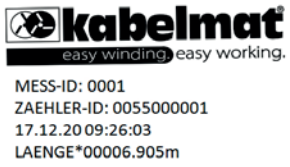


Fig. 5 Label sample

AUTOCUT 40

- **Cutting machine for cables, pipes, hoses and more**

Functionality:

This motorised length cutting machine is suitable for measuring and cutting to length materials such as cables, pipes, hoses, steel ropes, plastic profiles etc. The powerful feed allows the draw-off directly from an unwinding system without motor such as drum rack or drum unwinder. In connection with a coil pin the cut-off materials are coiled in rings.

Technical Data	AUTOCUT 40
Part No.	**1284.000**
Winding material Ø	1-30 mm
Inlet hight	approx. 1000 mm
Running direction	right to left
L x W x H	approx. 1160 x 950 x 1550 mm
Height with open protection cover	approx. 2050 mm
Length with pot winder	approx. 1800 mm
Colour	RAL 7005 mouse grey
Weight (without accessories)	approx. 350 kg

kabelmat
easy winding. easy working.

AUTOCUT 40

Length cutting 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
- Speed control is continuously ajdustable, allowing a smooth starting
- 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 hinged upwards (required for CE)
- CE conformity declaration according to machinery directive 2006/42/EG
- **Roller cage** before the length measuring unit, easily adjustable to match the material
- **Length measuring unit MESSBOI 40 BVE** with preselection counter for winding material with outer diameter up to 30 mm
  - Error limit (with in-and outlet roller cages) +/- 0,5 %
  - Pre-selection counter with disconnecting contact of the drive

Recommended equipment:

- **Pneummatically or hydraulically operated cutting** system for cutting the winding material.
- **Roller feed** as a transport- and positioning unit
  - Rubber plated high resistant drive rollers with non-return safety device
  - Lifting and lowering of the top roller unit via push button
  - Contact pressure manually adjustable by a pressure controller
  - Drive of the lower transport roller by the speed-controlled geared motor
  - Feeding speed max. 30 m / min
  - Tensile force approx. 120 N
- **Alternative belt feed**
  - Lifting and lowering of the top belt unit via push button
  - Contact pressure manually adjustable by a pressure controller
  - Drive of both belts by means of a speed-controlled geared motor with retractable precision drive shafts
  - Feeding speed max. 55 m/ min
  - Tensile force approx. 500 N
- **Coil pin motorized** size of the coil pins is selectable.
- **Printer head holder and guide for inkjet printer** with fine adjustment in the X and Y axis
  - **Second rotary pulse** for Inkjet-printersystem
  - **Straightening unit** adjustable by hand
- **Conformity assessment / MID (formerly first calibration)**
  - **Data interface** module for storing of cutting data
  - **Label printer** with interface to the preselection counter
  - **Conformity assessment** of the length measuring unit with additional inlet and outlet roller cages is approved by German Authorities for a period of two years from date of delivery, valid for all EEA Member States. Conformity has to be carried out in the manufacturing firm. Prolongation of this approval after 2 years had expired is not included in the delivery scope.

Further auxiliary equipment on request

Indoor use only. Fig. may differ from the original.

MESSROL 500

Coil and spool winder with battery mode

With battery mode

Fig. 1 MESSROL 500

Fig. 2 Coiler head RAPID 480 SL

Fig. 3 Control panel with battery level indicator

Fig. 4 Label printer

Fig. 5 Label sample

MESSROL 500

- **Coil and spool winder with battery mode**

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 simutaneously carry out length measuring and cutting.

Technical data	MESSROL 500
Part No.	**0601.000**
Coiler head / spool Ø	max. 480 mm
Spool width (depending on type of spool winding axle)	max. 310 mm
Spool weight (depending on type of spool winding axle)	max. 100 kg
Winding material-Ø (varying on conformity assessment)	1 - 30 mm
Electrical connection	230 V / 50 Hz
Traversing width	max. 340 mm
Inlet height	approx. 1000 mm
Running direction	from right to left
L x W x H	approx. 1300 x 680 x 1300 mm
Colour machine	RAL 7005 mouse grey
Weight	approx. 200 kg

MESSROL 500

Coil and spool winder with battery mode

Basic equipment:

- Mobile basic device with four lockable steering rollers
- Changeable high-performance battery 10 Ah for supplying energy to the preselection counter, data interface module and label printer
- Separat charging cable
- Telescopic handle for a comfortable moving the device
- 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
- **Roller cages** before and behind the length measuring unit, easily adjustable to match the material
- **Length measuring unit MESSBOI 40 BVE or MESSBOI 40 Band** with preselection counter for winding material with outer diameter up to 30 mm
  - Error limit (with in- and outlet roller cages) +/- 0,5 %
  - Pre-selection counter with disconnecting contact

Recommended equipment:

- **Manual cutting system** for cutting the winding material
- **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)**
  - **Data interface** module for storing of cutting data
  - **Label printer** with interface to the preselection counter
  - **Console for the label printer**
  - **Conformity assessment** of the length measuring unit with additional inlet and outlet roller cages is approved by German Authorities for a period of two years from date of delivery, valid for all EEA Member States. Conformity has to be carried out in the manufacturing firm. Prolongation of this approval after 2 years had expired is not included in the delivery scope.

Further auxiliary equipment on request

Indoor use only. Fig. may differ from the original.

MOTROL 500

Coil and spool winding machine

Compact winding machine with high operating comfort

Fig. 1 MOTROL 500

Fig. 2 Coiler head 480SL

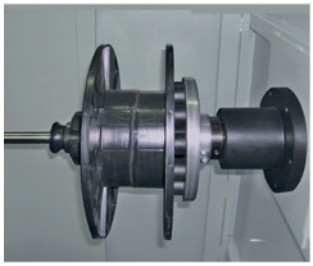


Fig. 3 Spool winding axle

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 simutaneously 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 material-Ø (varying on conformity assessment)	1 - 25 mm
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 x1400 mm
Length with open protection cover	approx. 2100 mm
Colour machine	RAL 7005 mouse grey
Weight machine (without packing)	approx. 290 kg

kabelmat easy winding. easy working.

MOTROL 500

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-geared motor via chain
- Speed control is continuously ajdustable, 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 slided sidewards (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 unit MESSBOI 40 BVE or MESSBOI 40 Band** with preselection counter for winding material with outer diameter up to 25 mm
  - 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 cable the traversing pitch adapts automatically via dia meter 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 continously 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 addtional 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)**
  - **Data interface** module for storing of cutting data
  - **Label printer** with interface to the preselection counter
  - **Conformity assessment** of the length measuring unit with additional inlet and outlet roller cages is approved by German Authorities for a period of two years from date of delivery, valid for all EEA Member States. Conformity has to be carried out in the manufacturing firm. Prolongation of this approval after 2 years had expired is not included in the delivery scope.

Further auxiliary equipment on request

Indoor use only. Fig. may differ from the original.

MOTROL 800 EASY

Coil and spool winding machine

Take it Easy.
Smart entry-level model

Fig. 1 MOTROL 800 EASY

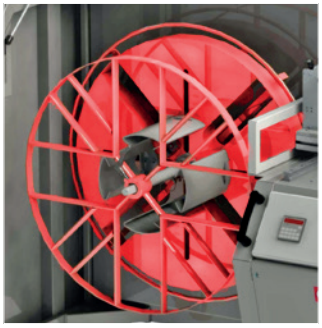


Fig. 2 Coiler head RAPID 800 SL

Fig. 3 Spool winding axle

Fig. 4 Label printer

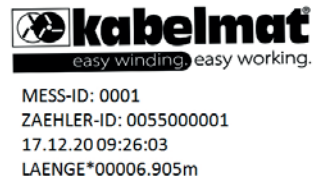


Fig. 5 Label sample

MOTROL 800 EASY

- **Coil and spool winding machine for coiler head / spool Ø max. 800 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 simutaneously carry out length measuring and cutting.

Technical Data	MOTROL 800 EASY
Part No.	**0676.000**
Coiler head / spool diameter	max. 800 mm
Spool width (depending on type of spool winding axle)	max. 310 mm
Spool weight (depending on type of spool winding axle)	max. 100 kg
Winding material diameter (varying on conformity assessment)	1-30 mm
Winding drive	70 rpm (0,75 kW)
Electrical connection	230 V / 50 Hz
Traversing width	max. 300 mm
Inlet height	approx. 1080 mm
Pass-through direction	right to left
L x W x H	approx.1800 x 850 x1400 mm
Height with open protection cover	approx. 2000 mm
Colour machine	RAL 7005, mouse grey
Weight machine (without packing)	approx. 300 kg

kabelmat
easy winding. easy working.

MOTROL 800 EASY

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-geared motor via chain
- Speed control is continuously ajdustable, 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 hinged upwards (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
- **Length measuring unit MESSBOI 40 BVE** with preselection counter for winding material with outer diameter up to 30 mm
  - Error limit (with in- and outlet roller cages) +/- 0,5 %
  - Pre-selection counter with disconnecting contact of the drive

Recommended equipment:

- **Manual or pneumatic operated cutting system** for cutting the winding material

- **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)

- **Data interface** module for storing of cutting data
- **Label printer** with interface to the preselection counter
- **Conformity assessment** of the length measuring unit with additional inlet and outlet roller cages is approved by German Authorities for a period of two years from date of delivery, valid for all EEA Member States. Conformity has to be carried out in the manufacturing firm. Prolongation of this approval after 2 years had expired is not included in the delivery scope.

Further auxiliary equipment on request

Indoor use only. Fig. may differ from the original.

MOTROL 800

Coil and spool winding machine

Winding machine for professionals

Fig. 1 MOTROL 800

Fig. 2 coiler head RAPID 800 SL

Fig. 3 Spool winding axle

Fig. 4 Label printer

Fig. 5 Label sample

MOTROL 800

- **Coil and spool winding machine for coiler head / spool Ø max. 800 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 simutaneously carry out length measuring and cutting.

Technical data	MOTROL 800
Part No.	**0715.000**
Coiler head / spool Ø	max. 800 mm
Spool width (depending on type of spool winding axle)	max. 425 mm
Spool weight (depending on type of spool winding axle)	max. 100 kg
Winding material Ø (varying on conformity assessment)	1-50 mm
Winding drives selectable (depending on requirements)	95 rpm (1,5 kW) or 130 rpm (3,0 kW)
Electrical connection	400 V / 50 Hz
Traversing width	max. 400 mm
Inlet height	approx. 1140 mm
Pass-through direction	right to left
Lx W x H	approx. 2000 x 1000 x1400 mm
Height with open protection cover	approx. 2150 mm
Colour machine	RAL 7005 mouse grey
Weight machine (without packing)	approx. 500 kg

kabelmat easy winding. easy working.

MOTROL 800

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-geared motor via chain
- Speed control is continuously ajdustable, 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 hinged upwards (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 unit MESSBOI 40 BVE or MESSBOI 40 Band** with preselection counter for winding material with outer dia meter up to 30 mm or **MESSBOI 80 BVE** with preselection counter for winding material with outer diameter up to 50 mm
  - 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 cable 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 continously 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, pneumatic or hydraulic operated cutting system** for cutting the winding material

- **Roller feed** in support of cutting process and in connection with pneumatic cutting device for addtional 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)**
  - **Data interface** module for storing of cutting data
  - **Label printer** with interface to the preselection counter
  - **Conformity assessment** of the length measuring unit with additional inlet and outlet roller cages is approved by German Authorities for a period of two years from date of delivery, valid for all EEA Member States. Conformity has to be carried out in the manufacturing firm. Prolongation of this approval after 2 years had expired is not included in the delivery scope.

Further auxiliary equipment on request

Indoor use only. Fig. may differ from the original.

MOTROL 1000

Coil and drum winding machine

Winding machine in a perfect combination

Fig. 1 MOTROL 1000

Fig. 2 Coiler head RAPID 1000 SL

Fig. 3 Lift-type device for drums

Fig. 4 Label printer

Fig. 5 Label sample

MOTROL 1000

- **Coil and spool winding machine for coiler head / drum Ø max. 1000 mm**

Functionality:

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. The winded spools resp. drums can be removed with a lift-type device (Fig.3)

Technical Data	MOTROL 1000
Part No.	**0705.000**
Coiler head / drum diameter	max. 1000 mm
Drum width (depending on type of drum winding axle)	max. 710 mm
Drum weight (depending on type of drum winding axle)	max. 350 kg
Winding material diameter (varying on conformity assessment)	1-50 mm
Winding drives selectable (depending on requirements)	75 rpm (1,5 kW) or 130 rpm (3,0 kW)
Electrical connection	400 V / 50 Hz
Traversing width	max. 650 mm
Inlet height	approx. 1140 mm
Pass-through direction	right to left
L x W x H	approx. 2200 x 1400 x 1500 mm
Height with open protection cover	approx. 2450 mm
Colour machine	RAL 7005, mouse grey
Weight machine (without packing)	approx. 700 kg

kabelmat easy winding. easy working.

MOTROL 1000

Coil and drum 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-geared motor via chain
- Speed control is continuously ajdustable, 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 hinged upwards (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 unit MESSBOI 40 BVE or MESSBOI 40 Band** with preselection counter for winding material with outer dia meter up to 30 mm or **MESSBOI 80 BVE** with preselection counter for winding material with outer diameter up to 50 mm
  - 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 cable 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 continously 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, pneumatic or hydraulic operated cutting system** for cutting the winding material

- **Roller feed** in support of cutting process and in connection with pneumatic cutting device for addtional operation mode
  “Cut to length without winding process“

- **Coiler head incl. adapter** for winding of coils
  Various models available

- **Spool winding axle** with quick-locking mechanism and frictional driver for winding of spools
  Various sizes available

- **Lift-type device for drums**
  Moveable device for lifting and lowering of full and empty drums at the flange from the floor.

- **Conformity assessment / MID (formerly first calibration)**
  - **Data interface** module for storing of cutting data
  - **Label printer** with interface to the preselection counter
  - **Conformity assessment** of the length measuring unit with additional inlet and outlet roller cages is approved by German Authorities for a period of two years from date of delivery, valid for all EEA Member States. Conformity has to be carried out in the manufacturing firm. Prolongation of this approval after 2 years had expired is not included in the delivery scope.

Further auxiliary equipment on request

Indoor use only. Fig. may differ from the original.

RINGROL 600

Semi-automatic coil winding machine

Coil winding made easy

Fig. 1 RINGROL 600 with open cover and binding device

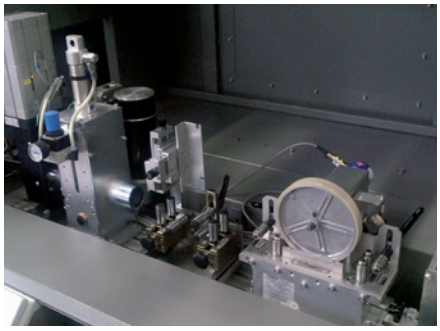


Fig. 2 Example traversing unit

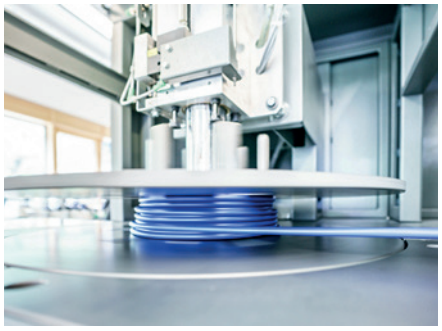


Fig. 3 Winding unit

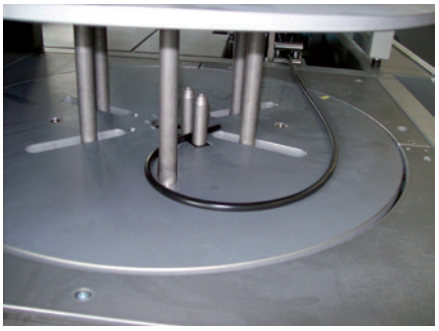


Fig. 4 Cable fixing clamp for winding plate

RINGROL 600

- **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
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)	approx. 2200 x 1350 x 1650 mm
Weight	approx. 600 kg

kabelmat easy winding, easy working.

RINGROL 600

Semi-automatic coil winding machine

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 (with in-and outlet roller cages) +/- 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:

- **Data interface** module for storing of cutting data
- **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

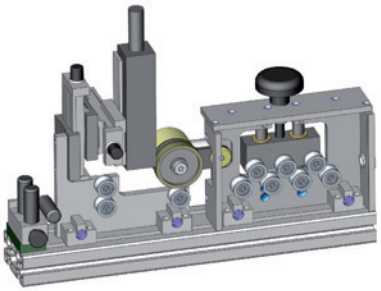


Fig. 6 Guiding unit for the printing head

Fig. 7 KMS-Software with personal computer

Recommended delivery systems:

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

Further auxiliary equipment on request

Indoor use only. Fig. may differ from the original.

RINGROL 800

Semi-automatic coil winding machine

Coil winding made easy

Fig 1 RINGROL 800

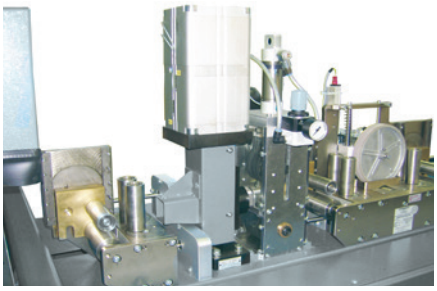


Fig 2 Example traversing unit

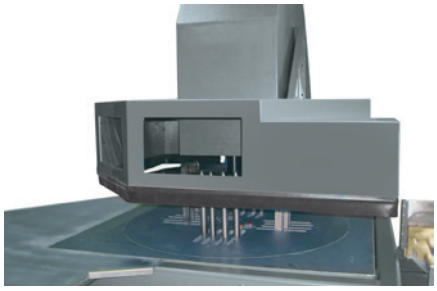


Fig 3 Winding unit

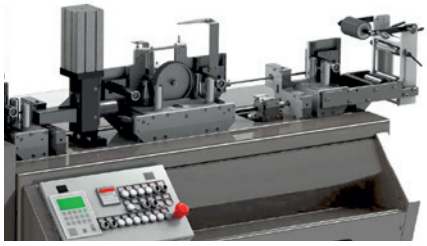


Fig 4 Central adjustment of the guide rollers optional motor driven version available

RINGROL 800

- **Semi-automatic coil winding machine for coil-Ø max. 800 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 Details	RINGROL 800
Part No.	**3853.000**
Winding plate Ø	800 mm
Core Ø	300 - 550 mm infinitely variable
Winding height	50 - 200 mm infinitely variable
Operating height	1075 mm (+/- 25 mm)
Coil weight	max. 70 kg
Roation speed	0 - 250 min[1] (3 kW) continuously adjustable
Line speed	max. 250 m /min
Electrical connection (CEE-connector plug)	230 / 400 V - 50 Hz
L x W x H	2700 x 1700 x 2100 mm
Weight (without accessories)	approx. 800 kg

kabelmat
easy winding, easy working.

RINGROL 800

Semi-automatic coil winding machine

Basic equipment:

- Painted, solid steel profile frame to be screwed on the ground
- Protective hood is pneumatically opened and closed at a push of a button
- Protective hood with safety switch integrated in the machine
- Horizontal winding desk with built-in winding plate
- Winding core pneumatically adjustable
- Infinitely variable core diameter
- Counter plate adjustable to coil width by push of a button
- Pneumatically liftable counter plate
- Traversing slide provided for additional units such as length measuring devices, material cutter, feeders and guidances
- Automatic servo drive for traversing slides
- Traversing speed automatically adapts to rotation speed (synchronization)
- Winding drive by AC gear motor with infinitely variable speed control as well as speed control via potentiometer adjustable in control desk
- Easy-to-handle control and operating centre in the working area with ermergency-stop button, provided for the installation of a pre-selection counter
- Touch panel for the display of operating conditions and error messages as well as for the input of operating parameters
- Electrical switch cabinet installed in the machine
- Electrical connection via strip terminal in switch cabinet
- Operating side: on the left (in winding direction)

Recommended equipment:

- **MESSBOI 80 Length measuring device** for winding material of an outer diameter of up to 80 mm, with optionally selectable central adjustment of the guide rollers
  - Error limit, accuracy class III with additional inlet and outlet roller cages +/- 0,5 %
  - Calibration of the length measuring device is approved by German Authorities for a period of two years, valid in Germany
  - Pre-selection counter with disconnecting contact of the drive

Optional:

- **Data interface module** for storing of cutting data
- **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

Further auxiliary equipment on request

Indoor use only. Fig. may differ from the original.
Technical modifications reserved. Status: 01/2020

RINGROL 1200

Fully automatic coil winder

**High outputs,
Short changeover times -
Fully automated coil winding**

Fig. 1 RINGROL 1200 with saftey fence and roller guide

RINGROL 1200

- **Fully automatic coil winder for coil-Ø max. 1200 mm**

Functionality:

This horizontally working fully automatic coil winder has been designed for winding in-line and off-line plastic pipes (e.g. B. PE, PE-X, PB, etc.) plastic metal compound pipes (e.g. B. PE-AL-PE, PE-CU, etc.) as well as hoses and other coilable materials.
The pipe to be coiled is at first transported by means of the feed unit (either provided for by the customer or integrated in the laying unit). The material feed (roller guide or guiding pipe) transports the front end of the pipe to the opening provided for in the winding core and there, it is pneumatically fixed.This operation takes place without stop up to extrusion speed due to the synchronisation of the servo-controlled axles so that there is no need to stop the continuously extruded pipe. Due to the rotational movement of the winding core, a coiled pipe bundle is obtained. Prior to cutting, the bundle is held together by a four-arm gripper. After winding the remaining length, the winding core is with drawn upwards and the bundle is transported to the strapping unit. The coil can be strapped several times with PP strap or wrapped with plastic foil. For this purpose, it is turned over. On completion of the strapping, the coil is pushed out on a roller track by means of a two-axle coil ejector.
Sturdy machine frame with sheet-metal covecoil of stationary design with a separately placed electric switch cabinet and switch desk for the central control of all machine functions.

Technical Data	RINGROL 1200
Part No.	**3021.000**
Winding good Ø	8 - 32 mm
Coill outside Ø	580 - 1200 mm
Winding core Ø	400 - 600 mm
Winding height (coil width)	90 - 600 mm

RINGROL 1200

Fully automatic coil winder

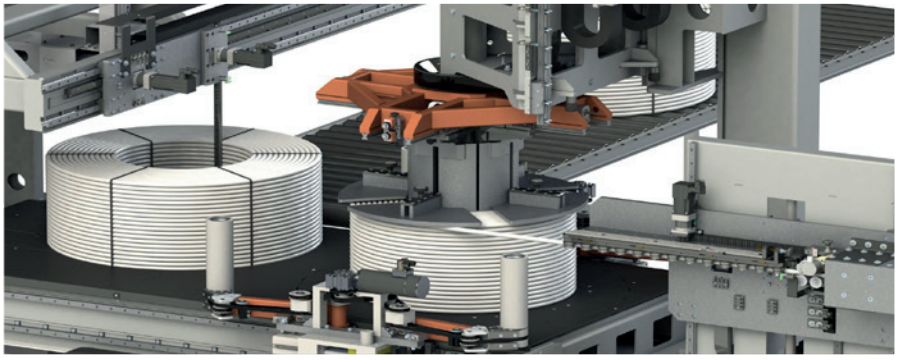


Fig. 2 Functional principle

Fig. 3 Finished product

Basic equipment:

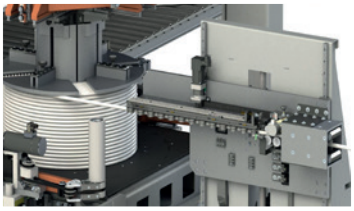


Fig. 4 Traversing unit

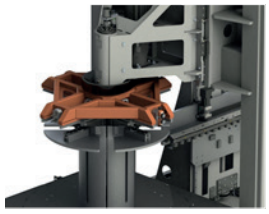


Fig. 5 Coil winding station

Fig. 6 Coil gripper system

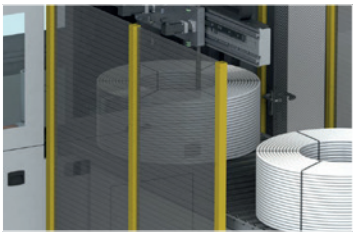


Fig. 7 Coil ejector

Operator panel

- The operator panel is swivelling and installed at the operating side

Traversing unit

- Horizontally, vertically and longitudinally displaceable unit for the precise laying and positioning of the front end of the pipe at the winding core

Coil winding station

- Horizontally working winding unit with hinged winding cores
- Winding height (coil width) and winding core diameter are steplessly adjustable

Coil gripper system

- Pneumatically operated double-sided gripping unit to hold down the coiled bundle of coils and to transport it to the strapping unit
- Rubber covered driven gripping rollers to turn the bundle of coils ducoil strapping

Coil ejector

- Two-axle linear system driven by a servomotor for pushing out the finished bundle of coils onto a roller track

Strapping station for PP straps

- Station for the multiple strapping of the bundle of coils with PP strap trough the lug of the coil

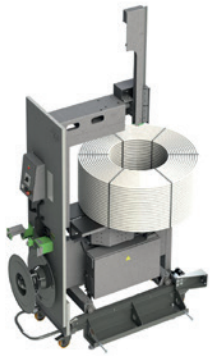


Fig. 9 Straping station for PP straps

Further modules:

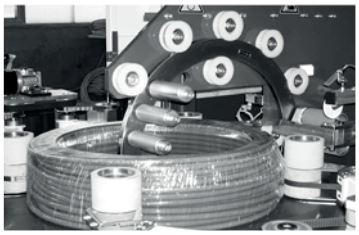


Fig. 8 Wrapping station for stretch straps

Wrapping station for stretch straps (as an alternative to wrapping with PP straps)

- for the partial or complete wrapping of the bundle of coils trough the lug

Holding-down device for the wrapping station

- To avoid that the bundle of coils bursts prior to wrapping (particularly in case of rigid elastic plastic pipes)

Indoor use only. Fig. may differ from the original.

UMROL 1000 AUF

Pintle winder for coils and drums

Winding big cable drums at the touch of a button

Fig. 1 UMROL 1000 AUF with closed cover

UMROL 1000 AUF

- **Pintle winder for coils and drums**

Functionality:

This motor driven coil and drum pintle winders are suitable for winding goods, such as cables, tubes, hoses, steel ropes, plastic profiles etc. onto coils, spools or drums and simultaneously, measuring and cutting-to-length.

The empty drum on which the material is to be coiled, is rolled to the loading place. The previously opened centre sleeve arms are then moved together to the corresponding take-over position by the operator's push of a button. When the drum is clamped by the centre sleeves, the same move upwards in winding position. On the operating panel the drum can be turned forward and backward in manual operation. Prior to winding in automatic mode, the length to be cut is input with the keyboard of the Kabelmat preselection counter ME40. In automatic winding mode, the preselected length is coiled. The drive traces the length according to the potentiometer adjustment on the operating panel and stops automatically once the length is reached. Soft start and soft stop of the drive according to the programmed ramps. The additional inching function is adjusted once only in the preselection counter. When the coiled material is cut off and the end is fixed, the drum is lowered again by the push of a button, it is rolled out of the machine and removed.

Technical Data	UMROL 1000 AUF
Part No.	**2025.000**
Drum-Ø	400 - 1000 mm (DIN 46391)
Drum width	120 - 710 mm
Drum weight	max. 600 kg
Standard drives (special speed on request)	75 min^{1} (2,2 kW) or 130 min^{1} (4,0 kW)
Inlet height of winding material	approx. 1230 mm
Traversing width	approx. 700 mm
Running direction	right to left
L x W x H	approx. 2135 x 1770 x 2245 mm
Weight	approx. 1100 kg

kabelmat easy winding, easy working.

UMROL 1000 AUF

Pintle winder for coils and drums

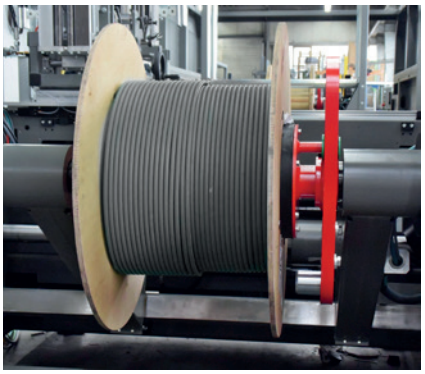


Fig. 2 Frictionally engaged drum driver

Fig. 3 UMROL 1000 AUF mobile with open cover

Fig. 4 UMROL 1000 AUF stationary with closed cover

Basic equipment:

- Steel profile frame with two breakable steering rollers and two fixed rollers or stationary design: to be screwed on the ground
- Grips for moving the machine
- Manually operated traversing slide provided for the installation of additional devices such as length measuring devices, material cutters as well as an automatic traversing unit
- Easy-to-handle and convenient drum loading with pintle arms driven by electric motor
- The functions lifting/lowering and tightening/releasing of the pintles are activated by push of a button
- Different cones for drum core drilling are insertable
- Holding fixture for coiler heads (quick-change system)
- The control panel with emergency switch is integrated in the base frame
- Additional control panel for positioning of the pintle arms, drum driver and emergency stop function
- Winding drive via geared motor with infinitely variable speed control and smooth starting of the machine
- Right-left handed rotation of the winding drive within the jogger operation mode
- Protective cover for UMROL (required for CE)

Recommended equipment:

- **Roller cages** before and after the length measuring device with adjustable ball beared rollers made of stainless steel requested for the calibration of the measuring devices
- **MESSBOI 40 BVE length measuring device** with pre-selection counter for winding material with an outer diameter of up to 40 mm or **MESSBOI 80 length measuring device** for winding material with an outer diamter of up to 50 mm
  - Error limit, accuracy class III with additional inlet and outlet roller cages +/- 0,5 %
  - MID-/Calibratable for round cable line speed up to 200 m/min
  - Conformity certification of the length measuring device is approved by German Authorities for a period of two years valid in Europe
  - Preselection counter with disconnecting contact of the winding drive
- **Manually, pneumatically or hydraulically operated cutting device** for cutting the winding material
- **Automatic traversing** consisting of geared motor with rotation speed controller. Traversing can be moved to any position via joystick within the set-up mode. This is important for the starting position of the winding drive. The motion reversing points can be stored by means of reference keys during standstill of the machine but also during winding operation. Traversing speed adapts automatically to the winding speed (synchronization). The complete traversing drive can be unlatched for manual traversing.
- **Coiler head RAPID 800 SL** for coil winding, insertable into the coiler head acceptance, centrally and infinitely adjustable winding core diameter, with four binding slots and four winding core segments
  - Coiler diameter of winding material: up to 800 mm
  - Core adjusting range: 300 - 550 mm
  - Coiling width: 20 - 250 mm
  - Adapter for coiler head RAPID 800 SL, for quick and easy mounting of the coiler head to a Kabelmat UMROL rewinder.
- **Frictionally engaged drum driver** with sleeve for easy loading of the drum without carrier bolts
  Consisting of two carriers for both pintle arms; cylindric drum loading

Further auxiliary equipment on request

Indoor use only. Fig. may differ from the original.

UMROL 1400 / 1600 / 2200 AUF

Pintle winder for coils and drums

Winding big cable drums at the touch of a button

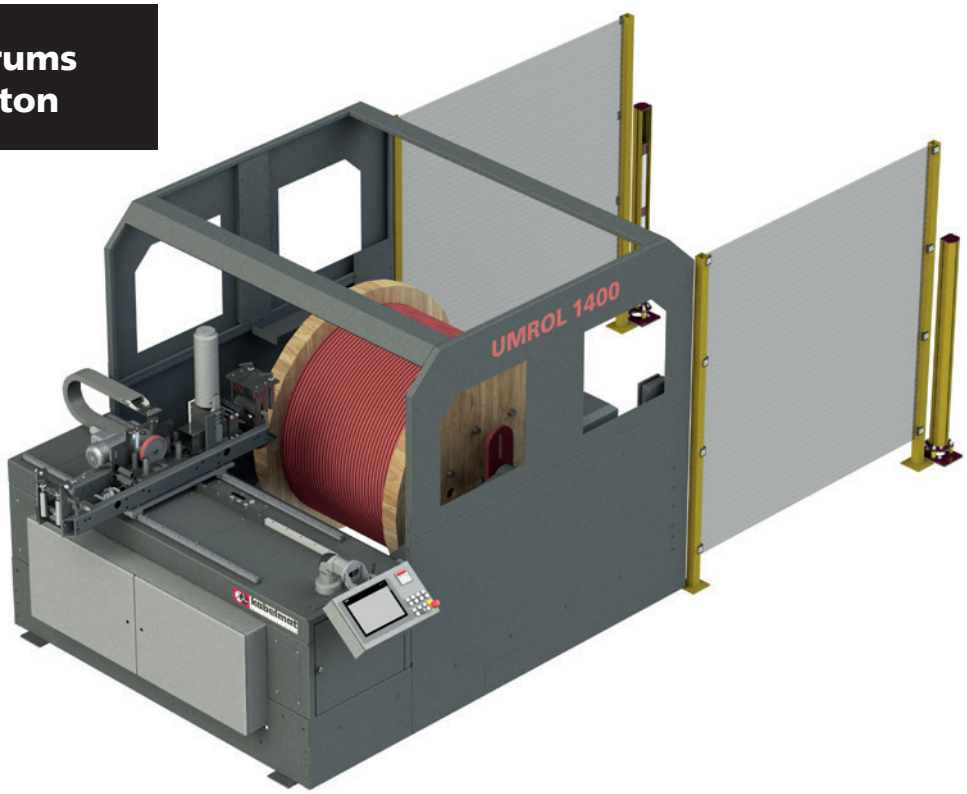


Fig. 1 UMROL 1400 AUF with protective fence

UMROL 1400 / 1600 / 2200 AUF

- **Pintle winder for coils and drums**

Functionality:

This motor driven pintle winder is suitable for winding goods, such as cables, hoses, steel ropes etc. onto coils or empty drums and, simultaneously, measuring and cutting them to length by making use of adequate accessories.

Upon opening the protective door the empty drum is rolled to the place of loading in order to be wound. By push of a button, the previously opened pintle arms are first moved together and then to the appropriate height for take-over. The pintles clamp the drum. Then the drums are lifted to winding position where they can be rotated forwards or backwards manually at the operating desk. Prior to the automatic winding of the material its cutting length is adjusted on the keyboard of the Kabelmat pre-selection counter ME 40. The pre-selected length is wound during automatic winding operation and the drive stops also automatically as soon as the requested length is reached. Smooth start and stop of the drive according to the adjusted ramps. Additional creep speed function in the pre-selection counter to be adjusted once. Upon cutting and fixing the end of the winding material, the ready wound drum is lowered by push of a button, rolled out of the machine and taken away.

Technical data	UMROL 1400 AUF	UMROL 1600 (1800) AUF	UMROL 2200 AUF
Part No.	**2045.000**	**2050.000 (2055.000)**	**2075.000**
Drum-Ø	630 - 1400 mm	630 - 1600 (710 - 1800) mm	710 - 2240 mm
Drum width	max. 900 mm	max. 1120 mm	max. 1450 mm
Drum weight	2000 kg	3000 kg	6000 kg
Traversing width	1090 mm	1200 mm	1700 mm
Winding drive	75 min^{1} or 130 min^{1}	60 min^{1} or 110 min^{1}	40 min^{1} or 60 min^{1}
Engine power	4 or 7,5 kW	5,5 or 11kW	7,5 or 11 kW
L x W x H	approx. 3000 x 2290 x 2300 mm	approx. 3200 (3400) x 2360 x 2300 mm	approx. 3800 x 2950 x 2500 mm
Weight	approx. 2500 kg	approx. 2800 kg	approx. 4800 kg
Drum sizes as per DIN 46391/46395 and KTG - All sizes are non-binding and will be defined in case of order.			

kabelmat easy winding, easy working.

UMROL 1400 / 1600 / 2200 AUF

Pintle winder for coils and drums

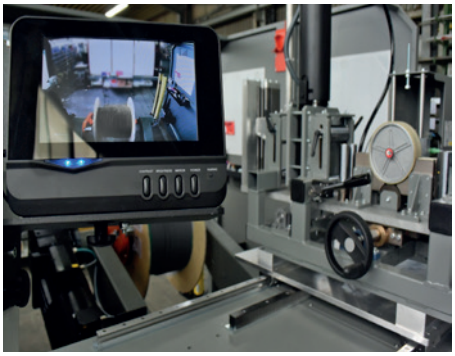


Fig. 2 Traversing camera

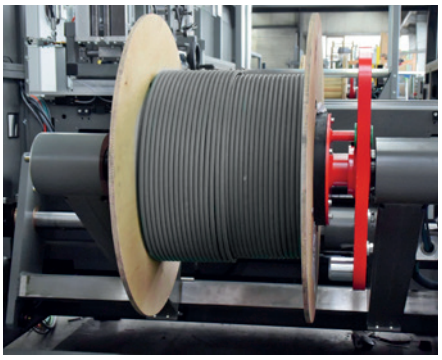


Fig. 3 Frictionally engaged drum driver

Fig. 4 Drive unit with drawbar

Basic equipment:

- Steel profile frame with two breakable steering rollers and two fixed rollers or stationary design to anchor to the floor
- Grips for moving the machine
- Manually operated traversing slide provided for the installation of additional devices such as length measuring devices, material cutters as well as an automatic traversing unit
- Easy-to-handle and convenient drum loading with hydraulically operated pintle arms
- The functions lifting/lowering and tightening/releasing of the pintles are activated by push of a button
- Holding fixture for coiler heads (quick-change system)
- Easily operatable control desk with emergency switch, provided for the installation of a length measuring unit
- Additional control panel for operation of the hydraulic functions, the positioning of the pintle arms and emergency stop function
- Winding drive: working speed and power selectable
- Right-left handed rotation of the winding drive within the jogger operation mode
- Protective door for UMROL (available as collapsible door or as cover, requested for CE)

Recommended equipment:

- **Roller cages** in front of and after the length measuring device with adjustable ball beared rollers of stainless steel. These are necessary for the calibration of the measuring devices.
- **MESSBOI 80 BVE Length measuring device** with pre-selection counter for winding material with an outer diameter of up to 50 mm or **MESSBOI 100 BVE Length measuring device** with pre-selection counter for winding material with an outer diameter of up to 90 mm
  - Measuring accuracy (with inlet and outlet roller cages) +/- 0,5 %
  - Calibratable for round cable line speed up to 250 m/min (MESSBOI 80), 150 m/min bei (MESSBOI 100)
  - Calibration of the length measuring device is approved by German Authorities for a period of two years, valid in Germany
  - Diameter recognition
- **Hydraulically operated cutting device** for cutting the winding material
- **Automatic traversing** consisting of geared motor with rotation speed controller. Traversing can be moved to any position via joystick within the set-up mode. This is important for the starting position of the winding drive. The motion reversing points can be stored by means of reference keys during standstill of the machine but also during winding operation. The traversing grade is continuously adjustable via rotary potentiometer even during winding operation. The traversing speed adapts automatically to the winding speed (synchronization). The complete traversing drive can be unlatched for manual traversing.
- **Coiler head RAPID 800 SL** for coil winding, insertable into the coiler head acceptance, centrally and infinitely adjustable winding core diameter, with four binding slots and four winding core segments
  - Coiler diameter of winding material: up to 800 mm;
  - Core adjusting range: 300 - 550 mm;
  - Coiling width: 20 - 250 mm
  - Adaptor for coiler head RAPID 800 SL, for quick and easy mounting of the coiler head to a Kabelmat UMROL rewinder.
- **Frictionally engaged drum driver** with sleeve for easy loading of the drum without carrier bolts. Consisting of two carriers for both pintle arms; cylindric drum loading
- **Travelling drive** for mobile use

Further auxiliary equipment on request

Indoor use only. Fig. may differ from original.
Technical modifications reserved. Status 01/2020

UMROL 1400 / 1600 / 2200 AUF

Pintle winder for coils and drums

High level of security and defined working areas

Fig. 5 UMROL 1400 AUF with flap gate

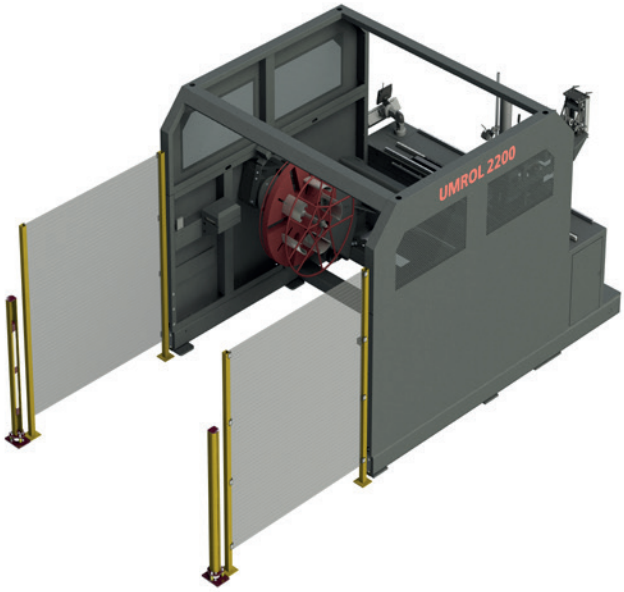


Fig. 6 UMROL 2200 with protective fence and coiler head, view 1

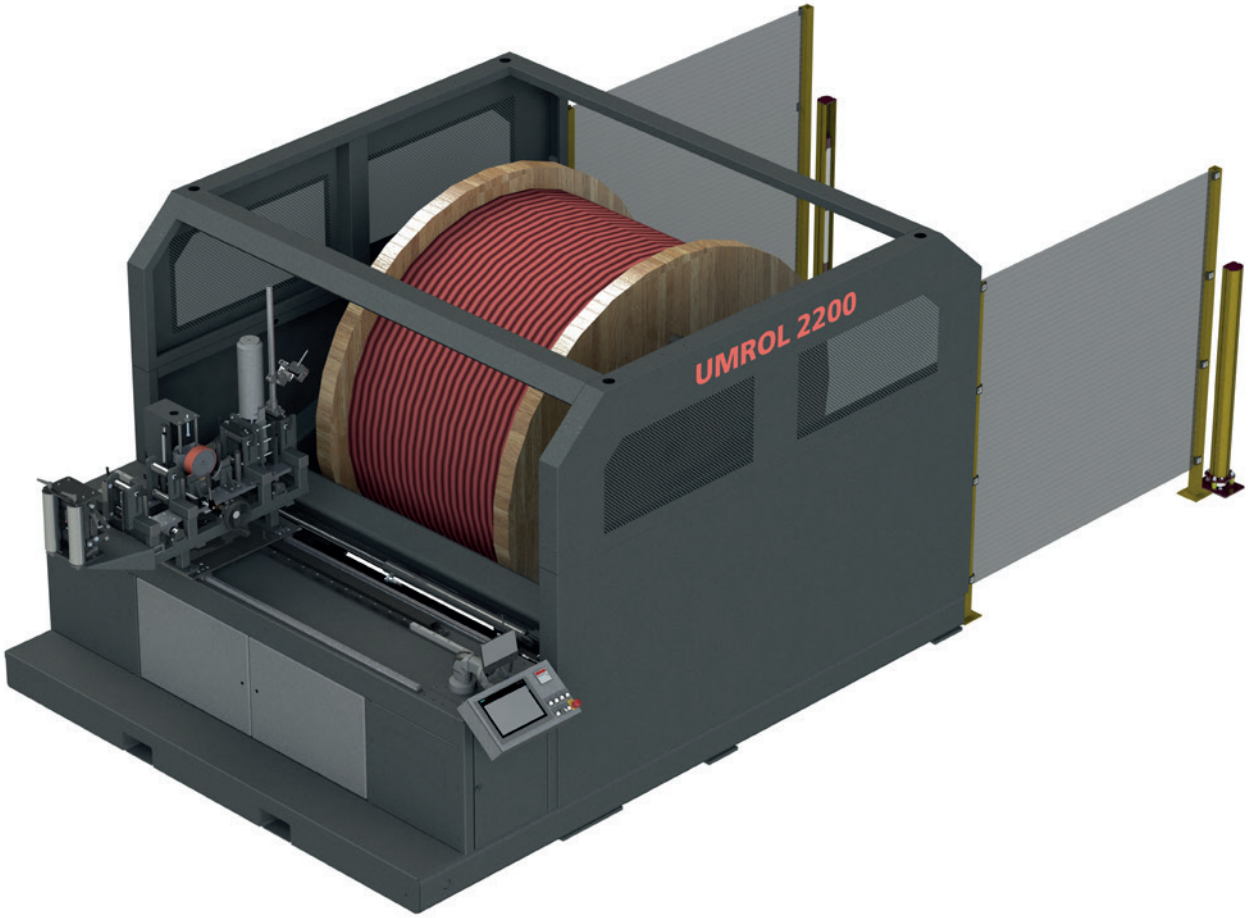


Fig. 7 UMROL 2200 with protective fence, view 2

PORTROL 1000 / 1400 AUF

Pintle winder for cable drums and cable coils

Cut at the touch of a button

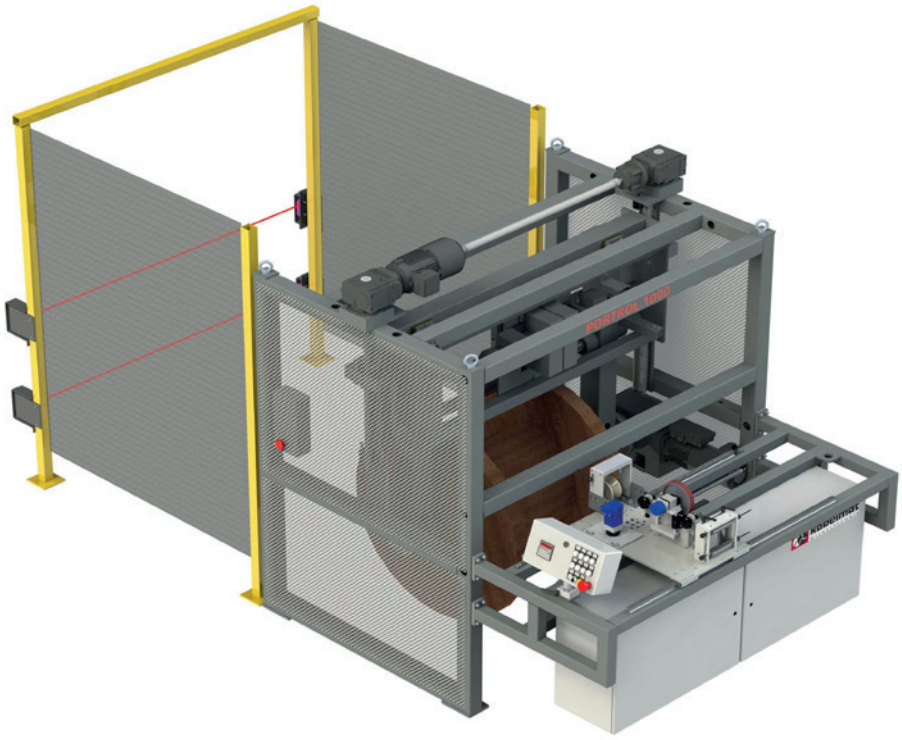


Fig. 1 PORTROL 1000 AUF

PORTROL 1000 / 1400 AUF

- **Pintle winder for cable drums and cable coils**

Functionality:

This motor driven pintle winder is suitable for winding goods, such as cables, hoses, steel ropes etc. onto coils or empty drums and, simultaneously, measuring and cutting them to length by making use of adequate accessories.

Upon opening the protective door the empty drum is rolled to the place of loading in order to be wound. By push of a button, the previously opened pintle arms are first moved together and then to the appropriate height for take-over. The pintles clamp the drum. Then the drums are lifted to winding position where they can be rotated forwards or backwards manually at the operating desk. Prior to the automatic winding of the material its cutting length is adjusted on the keyboard of the Kabelmat pre-selection counter ME 40. The pre-selected length is wound during automatic winding operation and the drive stops also automatically as soon as the requested length is reached. Smooth start and stop of the drive according to the adjusted ramps. Additional creep speed function in the pre-selection counter to be adjusted once. Upon cutting and fixing the end of the winding material, the ready wound drum is lowered by push of a button, rolled out of the machine and taken away.

Technical data	PORTROL 1000 AUF	PORTROL 1400 AUF
Part No.	**6198.000**	**6251.000**
Drum Ø	400 - 1000 mm	400 - 1400 mm
Distance between the cones	max. 780 mm	max. 1050 mm
Drum weight	max. 900 kg	max. 2000 kg
Winding good Ø (differ with conformity assessment)	2 - 50 mm	2 - 50 mm
Winding speed	max. 120 min[1]	max. 120 min[1]
Traversing width	approx. 700 mm	approx. 1050 mm
Inlet height of winding material	approx. 1030 mm	approx. 1130 mm
L x W x H	1530 x 2200 x 2100 mm	2300 x 2400 x 2500 mm
Colour housing	RAL 7005 mouse grey	RAL 7005 mouse grey
Weight	approx. 1200 kg	approx. 1400 kg

PORTROL 1000 / 1400 AUF

Pintle winder für cable drums and cable coils

Basic equipment:

- Solid steel profile frame to be screwed on the floor
- Speed control is continuously ajdustable, allowing a smooth starting
- Very simple and easy material holding fixture with electric motor operated centre sleeve arms
- The functions lifting/lowering as well as clamping/opening of the centre sleeves at the push of a button
- Various slip-on cones for the borehole of the drum core
- 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
- Switch cabinet integrated in the machine frame
  - Main Switch
  - Speed regulation steplessly adjustable with soft starting and soft running
- CE conformity declaration according to machinery directive 2006/42/EG
- Right to left running of the winding drive in inching operation
- **Roller cages** before and behind the length measuring unit, easily adjustable to match the material
  Various models available depending on the requirements
- **Length measuring unit MESSBOI 40 BVE or MESSBOI 40 Band** with preselection counter for winding material with outer dia meter up to 30 mm or **MESSBOI 80 BVE** with preselection counter for winding material with outer diameter up to 50 mm
  - Error limit (with inlet 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 cable 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 continously 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

- **Pneumatic or hydraulic operated cutting system** for cutting the winding material

- **Roller feed** in support of cutting process and in connection with pneumatic cutting device for addtional operation mode
  "Cut to length without winding process"

- **Coiler head** for winding of coils
  Various models available

- **Conformity assessment / MID (formerly first calibration)**
  - **Data interface** module for storing of cutting data
  - **Label printer** with interface to the preselection counter
  - **Conformity assessment** of the length measuring unit with additional inlet and outlet roller cages is approved by German Authorities for a period of two years from date of delivery, valid for all EEA Member States. Conformity has to be carried out in the manufacturing firm. Prolongation of this approval after 2 years had expired is not included in the delivery scope.

Further auxiliary equipment on request

Indoor use only. Fig. may differ from original.

PORTROL 1000 / 1400 ABW

Pintle unwinder for cable drums

Drum unwinder with material accumulator

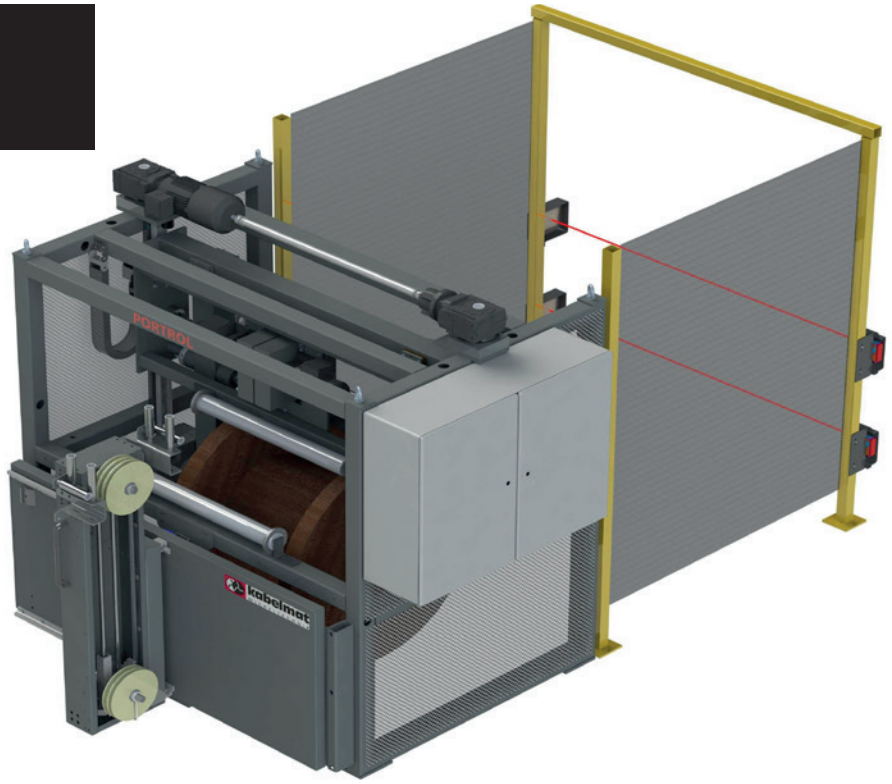


Fig. 1 PORTROL 1000 AB

PORTROL 1000 / 1400 ABW

- **Pintle unwinder for cable drums**

Functionality:

This portal-type winder is suitable as individual machine or can be used in complete processing lines. The drum attachment is time-saving and safe due to spindle sleeves.The drum is rolled to the loading place. The previously opened centre sleeve arms are then moved together to the corresponding take-over position by the operator's push of a button. When the drum is clamped by the centre sleeves the same move upwards in winding position. On the operating panel the drum can be turned forward and backward in manual operation. When operating in a line, the unwinder (Pay-off) is then automatically controlled. A prerequisite for this is that there is no person or object in the access area of the safety light barriers. The speed is controlled by a dancer roller or a material buffer ACUMATIC as well as optionally by the additional preset nominal value. This takes into account the corresponding high time or elapsed time resp. as well as the line speed.
This ACUMATIC is available in different types and sizes. It controls the speed of an unwinder according to the start and brake cycles and serves also as bridgeover of short standstill periods of a winding line. The ACUMATIC is particularly required for tension-sensitive materials. However, tension-sensitive materials can also be coiled directly using the additional operating mode "closed-loop torque control".

Technical data	PORTROL 1000 ABW	PORTROL 1400 ABW
Part No.	**6197.000**	**6250.000**
Drum Ø	400 - 1000 mm	400 - 1400 mm
Distance between centres with cones	max. 750 mm	max. 1050 mm
Drum weight	max. 900 kg	max. 2000 kg
Winding drive	max. 120 min[1]	max. 120 min[1]
L x W x H	1530 x 2200 x 2100 mm	1860 x 2420 x 2500 mm
Weight	900 kg	1200 kg

PORTROL 1000 / 1400 ABW

Pintle unwinder for cable drums

Basic equipment:

- Solid steel profile frame to be screwed on the floor
- Drum carried by pintles with easily exchangeable cones incl. on one-side mounted impeller and movable carrier bolts
- Easy-to-handle and convenient drum loading with pintle arms driven by electric motor
- The pintles move together and allow the use of very narrow spools
- The functions lifting/lowering and tightening/releasing of the pintle arms are activated by push of a button
- The control panel for loading of the winders is installed in the drum roll-in area (on motor side)
- Switch cabinet implemented in the machine
- Electrical connection via CEE coupler plug at the switch cabinet
- Operator´s stand on the left side of the machine (pass-through direction of the winding material), optionally on the right side
- safety equipment required for CE (selectable systems)
    - Protection door for PORTROL (foldable design)
    - Safety fence with two super-imposed safety light barriers

Recommended equipment:

- **Speed-controlled gear motor** depending on technical spezifications
- **Frictionally engaged drum driver** with sleeve for easy loading of the drum without carrier bolts
  Consisting of two carriers for both pintle arms. Cylindric drum loading.
- **ACUMATIC, material accumulator / dancer**
- **Instantaneous regulation of winding drive**

Indoor use only. Fig. may differ from original.

TROMPIN 800 / 1250

Drum and spool unwinder

With mounted accumulator

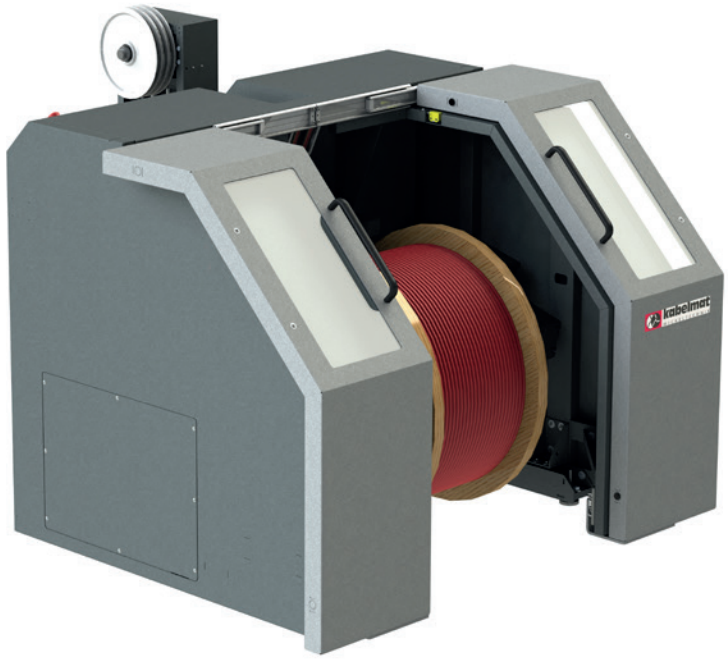


Fig. 1 TROMPIN 800 with open safety doors

Fig. 2 TROMPIN 800 back view with mounted accumulator section

Fig. 3 TROMPIN 800 with closed safety doors

TROMPIN 800 / 1250

- **Motorised drum and spool unwinder for cables, hoses and other materials**

This motorised drum and coil unwinder is the perfect addition to our range of stripping and winding machines.
The fitted accumulator section allows you to unwind cables, hoses and much more virtually free of tension and enables synchronisation of the drive units along the line of machines (consisting of stripping, winding and pay-off devices).

Functionality:

The drum that is to be unwound is rolled to the mounting location by hand. The drum is mounted securely and expeditiously using barrel arms. The operator presses a button to move the open barrel arms together one by one and to the correct transfer height. Once the barrel arms have clamped the drums in place, they are moved up to the unwinding position.
The unwinder is controlled automatically in a line operation. This can only take place if the safety doors are closed.

Technical data	TROMPIN 800	TROMPIN 1250
Part No.	**2035.000**	**2037.000**
Drum Ø	400 - 800 mm	400 -1250 mm
Drum weight	max. 400 kg	max. 600 kg
Material Ø	approx. 1-16 mm	approx. 1-16 mm
Distance between centre of cones	max. 660 mm	max. 1050 mm
Speed for core Ø > 200 mm *	180 m / min	180 m / min
Accumulator section wheel Ø	240 mm	240 mm
L x W x H	approx. 1750 x 1500 x 1500 mm	approx. 2200 x 2200 x 1700 mm
Weight	approx. 750 kg	approx. 1250 kg
Storage section wheel assembly and tensile force subject to customer specification * Note: For a core Ø < 200 mm, the max. speed will decrease		

Indoor use only. Fig. may differ from original.

SPULFIX 480

Coil and spool unwinding machine

Perfect complement to processing machines

Fig. 1 SPULFIX 480 with open cover

SPULFIX 480

- **Coil and spool unwinding machine**

Functionality:

This machine is used as feeding device of all kinds of winding material to processing machines, such as Kabelmat take-ups or pre-assembling systems, e.g. automatic cutting machines, dismantling or stripping devices. The winding good can optionally be understood as coil or spool material. The rotation speed of the unwinder is controlled either by an accumulator or alternatively by additional set value taking the requested run-up and run-down time as well as the line speed into consideration.

Technical Data	SPULFIX 480
Part No.	**1823.000**
Unwinding plate Ø	max. 480 mm
Loading capacity	max. 20 kg
Accumulator capacity	3 m
Numbers of accumulator wheels	5 / 6
Material Ø	max. 10 mm
Unwinding rotation speed	200 U/min
Pull force without additional weight	1,0 N
Pull force with weight (abt. 200 g)	1,5 N
Pull force with 2 weight (abt. 650 g)	1,7 N
Pull force with 3 weight (abt. 850 g)	2,0 N
L x W x H	approx. 1350 x 620 x 1860 mm
Weight	approx. 120 kg

SPULFIX 480

Coil and spool unwinding machine

Basic equipment:

- Mobile basic machine as self-supporting, torsionally resistant weldment
- Holder for exchangeable dispensing plate of an outer diameter of up to 480 mm
- Mounted accumulator with a stroke of 500 mm and reverse-locked outlet roller
- Switch cabinet with operating elements
- Additional outlet dancer for decreasing the starting pull force
- Built-in potentiometer for pre-setting the line speed
- Switch-off sensor for lower and upper accumulator position
- Sensor for regulating the dispensing plate

Additional equipment:

- **SPULFIX 480 horizontal unwinding plate for spools**

Technical Details	
Spool Ø	max. 470 mm
Spool width	max. 250 mm
Plate Ø	480 mm
Core pin Ø	16 x 200 mm
Centering cone for bore Ø	25 - 80 mm
Spool weight	max. 20 kg
Colour	galvanised

- **RINGFIX 480 horizontal unwinding plate for coils**

Technical Data	
Coil outer Ø	max. 470 mm
Plate Ø	480 mm
Height centering cones (3 pcs.)	250 mm
Core adjusting range	140 - 320 mm
Coil weight	max. 20 kg
Colour	galvanised

Indoor use only. Fig. may differ from original.

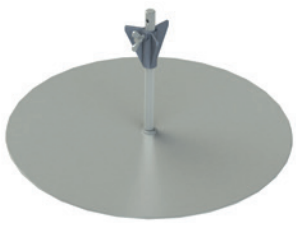


Fig. 2 SPULFIX 480 unwinding plate

Fig. 3 RINGFIX 480 unwinding plate

Fig. 4 SPULFIX 480 with closed cover

TROMTRAK 1600

Axle unwinder for drums

Perfect completement to processing machines

Fig.1 TROMTRAK 1600 elektrohydraulic drum unwinder

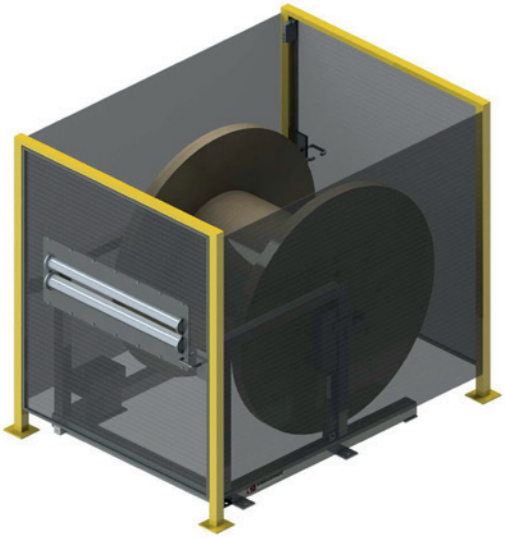


Fig.2 TROMTRAK 1600 incl. saftey fence with wing doors as access to the drum loading with saftey shutdown and outlet roller cage for guiding the winding material

TROMTRAK 1600

- **Electrohydraulic unwinder for drums max. 3000 kg**

Functionality:

TROMTRAK Trommelabwickler können sowohl als Einzelabwickler als auch in kompletten Verarbeitungslinien eingesetzt werden. Sollte der Abwickler TROMTRAK 1600 in Verbindung mit einem motorisch angetriebenen Aufwickler betrieben werden, wird ein Sicherheitsschutzzaun (Fig.2 oder Fig.3) unbedingt benötigt.

Basic equipment:

- Stationary frame
- Elektrohydraulic pump with manual relase
- Two axles for the take-up of cable drum
- Two cones for centering the cable drums on the axle
- Electrical supply via CEE plug

Accessory for mechanical unwinding:

- **Saftey fence for TROMTRAK 1600 with wing doors** as access to the drum loading with safety shutdown. Outlet roller cage for guiding the winding material.

- **Saftey fence for TROMTRAK 1600 with wing and sliding doors** as access to the drum loading and the cable loading between the unwinder (Pay-off) and rewinder (Take-up) with safety shutdown.

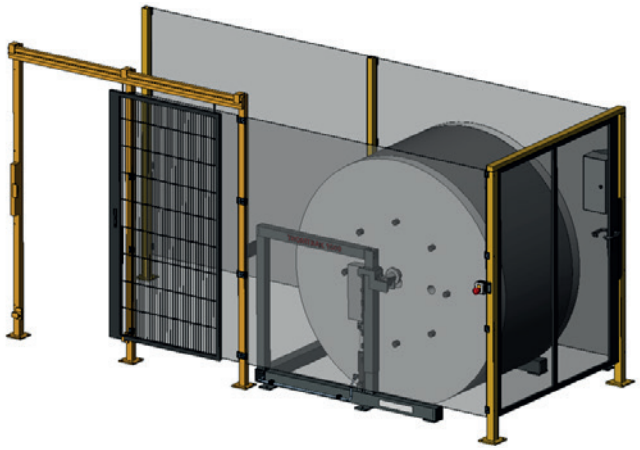


Fig.3 TROMTRAK 1600 incl. saftey fence with wing and sliding doors as access to the drum loading and cable loading between unwinder and rewinder.

Technical data	TROMTRAK 1600
Part No.	**1189.000**
Drum Ø	500 - 1600 mm
Drum width	max. 1120 mm
Drum weight	max. 3000 kg
L x W x H	approx. 1600 x 1785 x 1200 mm
Weight	approx. 400 kg
Drum axle No. 1	Ø 34 x 1340 mm
Drum axle No. 2	Ø 60 x 1340 mm
Electrical supply via CEE plug	230 / 400 V - 50 Hz

Indoor use only. Fig. may differ from original.

TROMROL 2500

Axle unwinder for drums

Perfect completement to processing machines

Fig. 1 TROMROL 2500

TROMROL 2500

- **Electrohydraulic unwinder with axle and disk brake for drums up to 5000 kg**

Functionality:

The range of application of this drum unwinder is the feed of coilable materials of all kind. It can be used as individual feeding equipment as well as in complete processing lines. The drum is fixed on an end-to-end axle.

Basic equipment:

- Frame of steel profiles with two rollers for heavy loads and two lockable steering rollers
- Drum holding fixture height adjustable by the push of a button by means of a hydraulic cylinder and an electrohydraulic pump

Accessory for mechanical unwinding:

- **Safety fence for TROMROL 2500 with wing doors** as access to the drum loading with safety shutdown. Outlet roller cage for guiding the winding material.

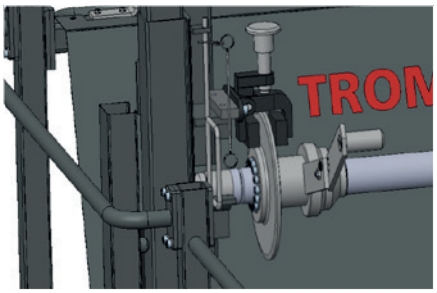


Fig. 2 Disk brake and caliper

Technical data	TROMROL 2500
Part No.	**1182.000**
Drum Ø	400 - 2500 mm
Drum width	max. 1450 mm
Drum weight	max. 5000 kg
L x W x H	approx.1750 x 2130 x 1900 mm
Weight	approx. 500 kg
Electrical supply via CEE plug	230 / 400 V - 50 Hz

Accessory for TROMROL 2500	Drum axle up to 1200 kg	Drum axle up to 5000 kg
Axle Ø	65 mm	70 mm
Axle loading	max. 1200 kg	max. 5000 kg
Weight	approx. 25 kg	approx. 38 kg
Material	aluminium	hot-dip galvanised

These axles are equipped with plain bearing, disk brake with caliper. Brake force is adjustable by star grip.

Indoor use only. Fig. may differ from original.

SIGNOMAT

Sinter machine

Permanent label print on cables and wires

Fig. 1 SIGNOMAT

SIGNOMAT

- **Sinter machine for cables and wires**

Whether used nearly railways, in telecommunications, or power supply, cables almost always run underground. When they are dug out years later for service or maintenance work engineers want to easily identify what cable they are handling. In order to permanently identify the label, the SIGNOMAT prints on the cables and wires during production while they are still warm. This enables the machine to sinter the label.

Functionality:

This system allows highly resistant cable printing without affecting the mechanical or electrical properties of the material. The marking is visible, palpable and absolutely abrasion proof, what is useful e.g. in shafts where bad lighting conditions are prevailing: the form of the signs can be felt thanks to the surface roughness of the used sinter powder. The resistance to abrasion, weather conditions, humidity and aggressive soil gives the Signomat printer undoubtedly advantages opposite the ink jet printing system.

Unique process:

The marking is performed directly on the hot plastics, i.e. just after extrusion. Two marking wheels put the synthetic powder onto the extruded material at the distance requested and in compliance with the forms required. The sinter powder unites tightly with the surface of the extruded material. No additional heating is needed since the residual heat of the plastic material is used to melt powder and sheath (between 150° and 180°C).

SIGNOMAT

Sinter machine

Fig. 2 SIGNOMAT view 2

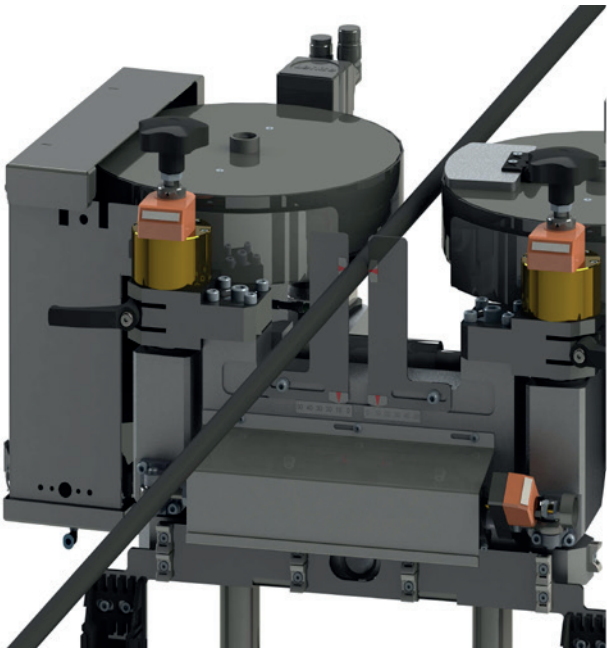
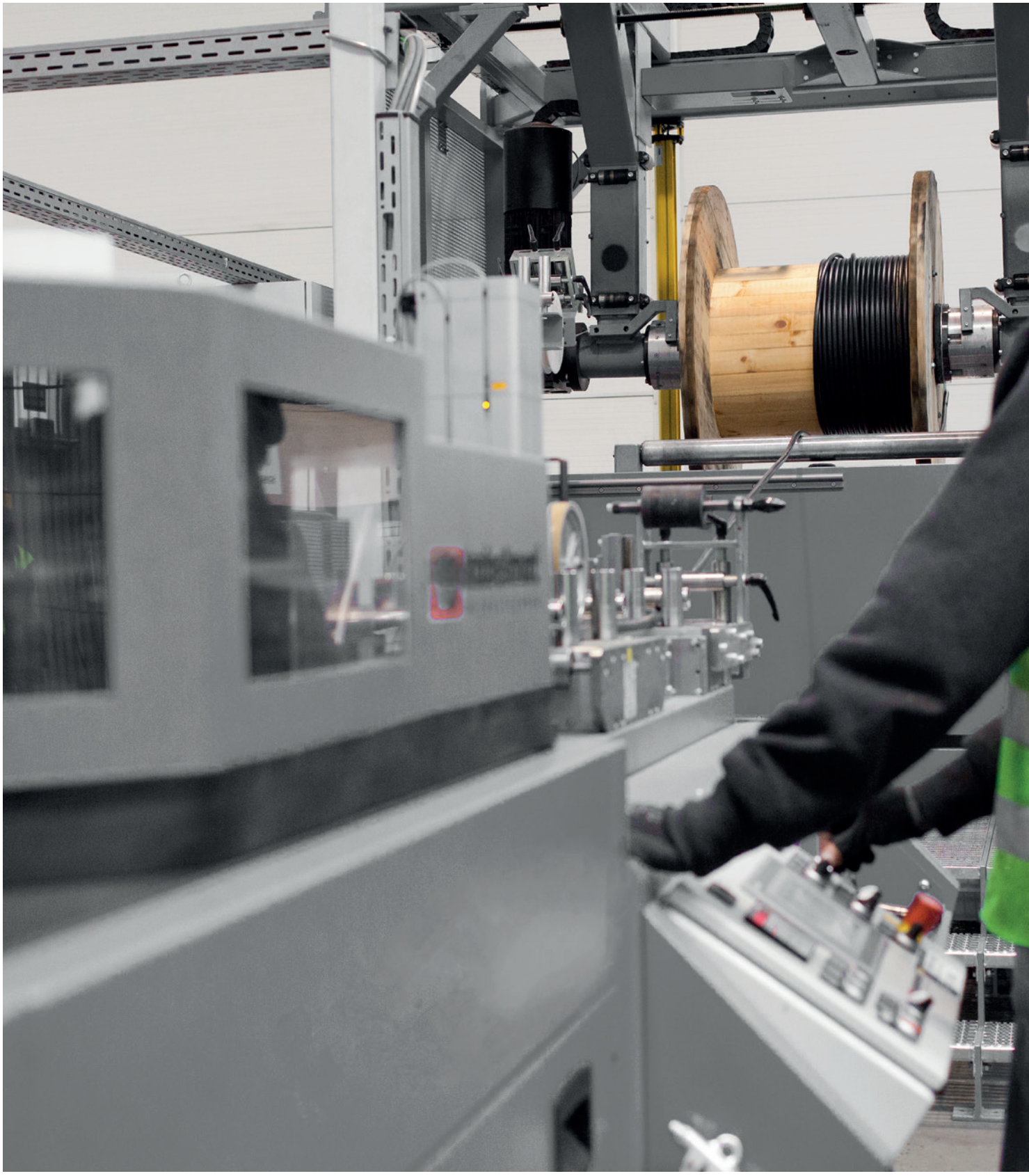


Fig. 3 SIGNOMAT centering device

Technical data	SIGNOMAT
Part No.	**8501.000**
Production speed	3 -100 m / min
Range of Ø to be marked	6 -100 mm
Circumference of marking wheel	1000 mm
Circumference of guiding wheel	1000 mm
Metering distance	1000 mm
Working height	950 - 1200 mm
Precision	< 1%
Marking powder consumption	approx. 250 g / km
Connected load	230 / 400 V
Connection power	approx. 1,0 kW
Line frequency	50 Hz
Electrical connection (CEE-connector plug)	CEE 16 A
Compressed air: Pressure	6 bar
Compressed air connection (quick release)	1/2 Zoll
L x W x H	approx. 800 x 800 x 1300 mm
Weight	approx. 300 kg
Colour	RAL 7005 mouse grey

Indoor use only. Fig. may differ from original.

MACHINERY PLANTS AND LINES



PRODUCTS	PAGE
• **AUTOLOG**	76 - 79
• **PORTROL**	80 - 83

AUTOLOG

Winding line with automatic drum pick-up

Powerful all-in-one solution

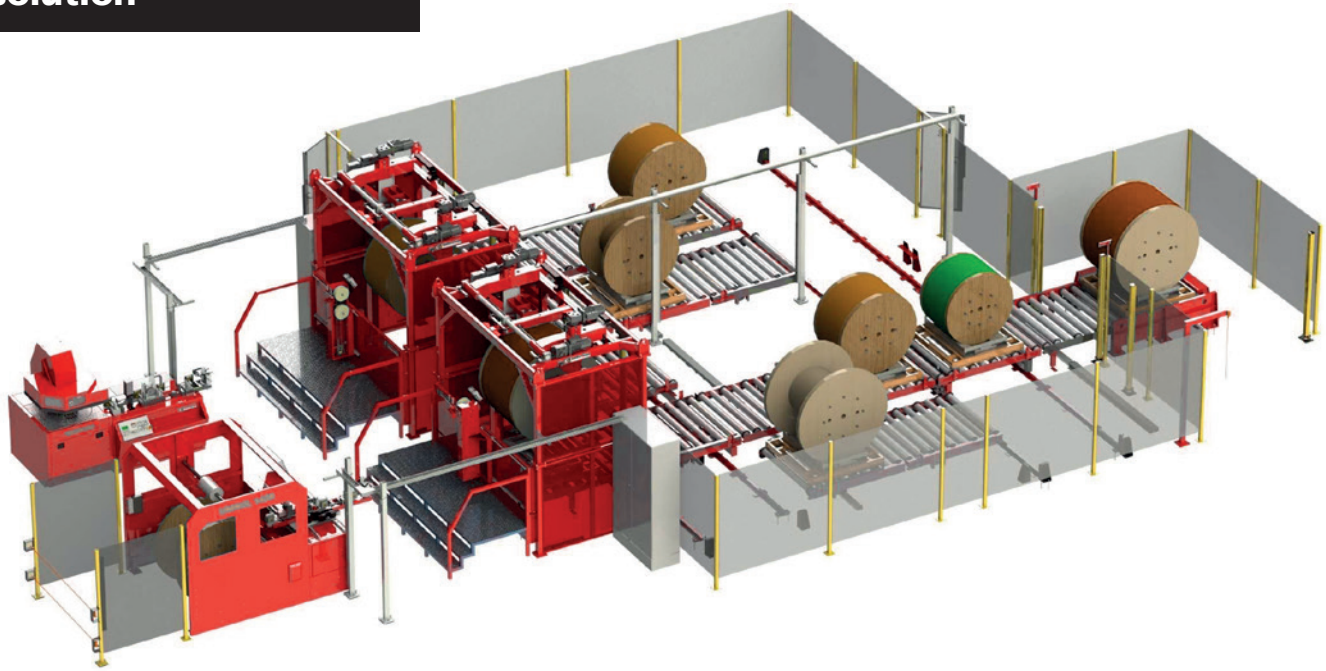


Fig. 1 AUTOLOG winding line

AUTOLOG

- **Winding line with automatic drum pick-up**

Cables and lines for the transfer of different types of electrical energy or data are now an important component of building services engineering, machine and plant engineering, telecommunications and a range of other applications.

These cables and lines are usually required in individual types and lengths at short notice. In order to achieve this we require suitable cutting and winding machines and a functioning cable warehouse.

Kabelmat offers two different systems which are discribed below:

System 1: Machine to cable drum

The approved system „Machine to drum" is still used in many sectors. The advantages of this system are short access times by picking the material, easy operating of the machine as well a low investment costs. It is mainly used, where number of cuts are low and fewer additional staff will be needed.

System 2: Cable drum to machine

Depending on increasing centralisation of cable warehouses there is an continously increasing number of variety of storing positions and cuttings. Routes to the machine are getting longer, complex and unprofitable. Therefore, more and more companies deciding to use the professional solution „Drum to machine". To ensure an effiecent deployment of staff, it is recommended to automate procedures as far as possible. Kabelmat also offers the right support for this.

PERFECT INTERACTION

Synchronised workflow = reduced cycle time

WINDER AND UNWINDER

- High output performance
- High winding speed
- Automatic measurement of the cable drum
- Optical drum bore detection
- Automatic drum pick-up
- Frictionally engaged drum pick-up (no driver hole required)
- Winding drive on both sides for an even distribution of force on the drum
- Winding diameter registration for fine-tuning of the winding drives
- Cable accumulator for tension-sensitive cables

LENGTH MEASUREMENT

- Barcode identification of winding goods
- Assignment and documentation of winding goods
- Automatic storage and retrieval of winding data
- Marking of cable cut length by label printer (date, material, length, company logo)

SAFETY TECHNOLOGY

- Closed, complete system providing high level of safety
- Defined workspace for operators

CONVEYOR TECHNOLOGY

- Ability to integrate conveying system from various suppliers in efficient manner
- Transportation of cable drums on pallets

AUTOLOG

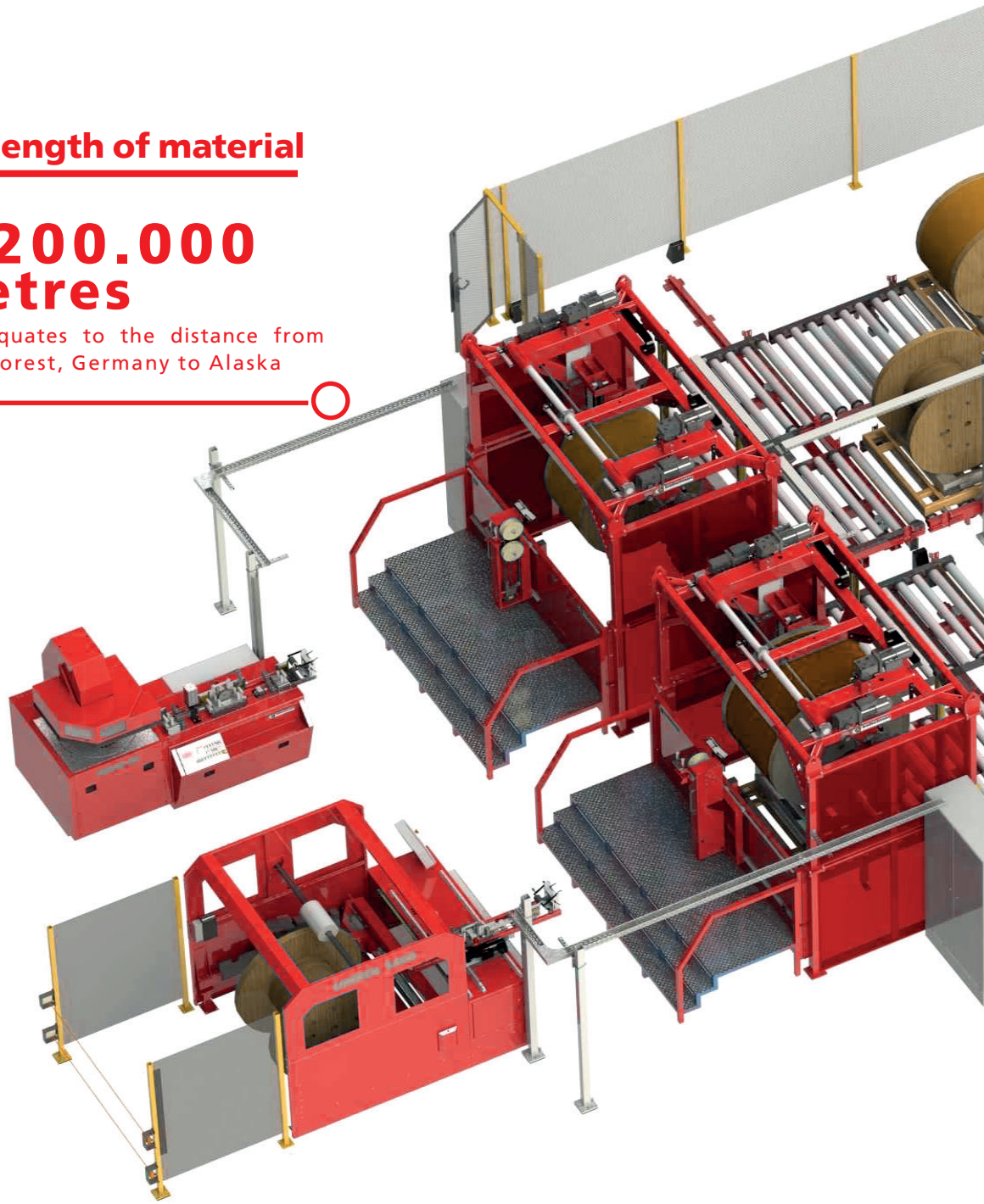
THE SYSTEM: DRUM TO MACHINE

Cut length of material

up to

7.200.000 metres

That equates to the distance from Black Forest, Germany to Alaska



LINE 1

LINE 2

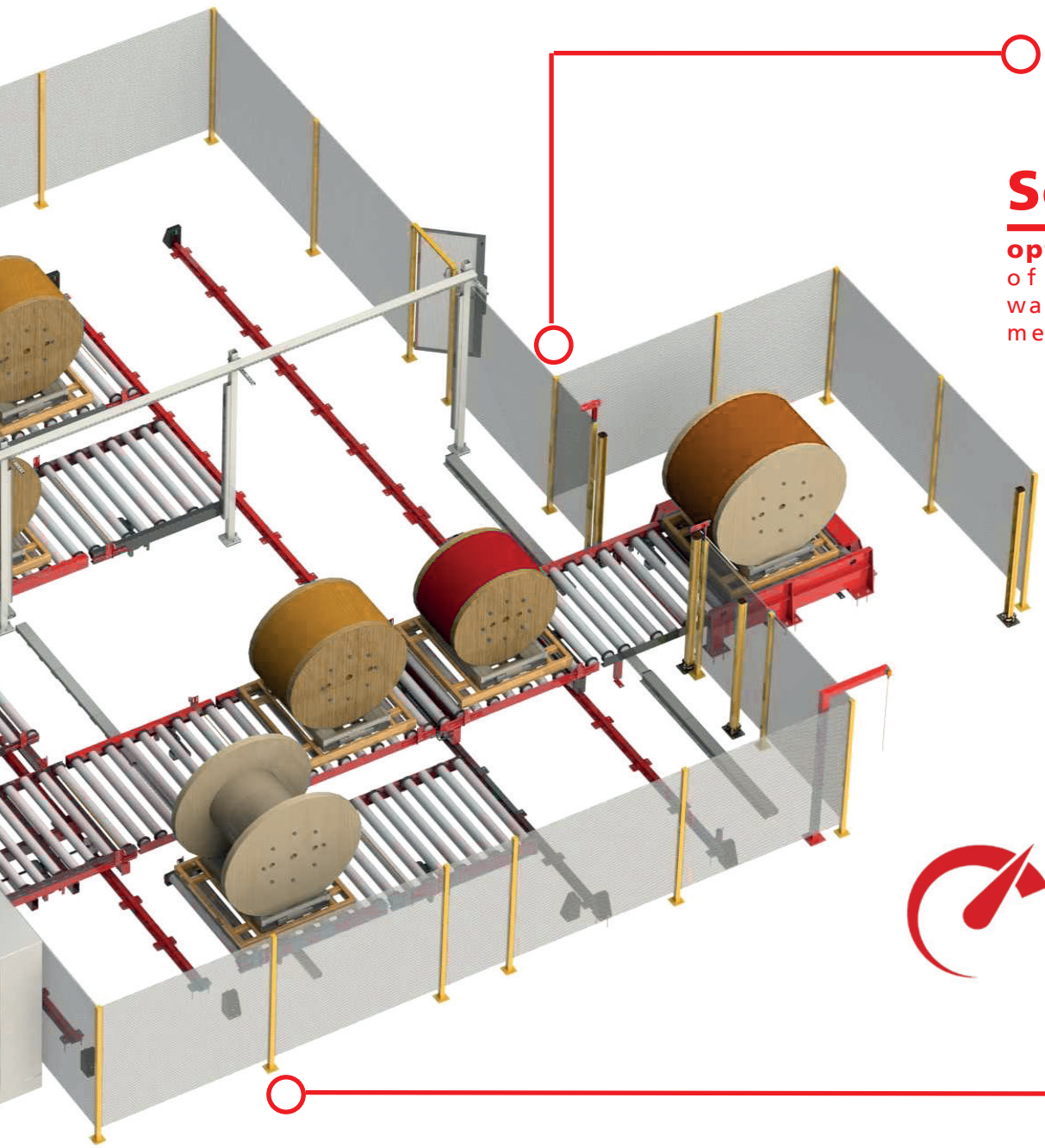
Clear winding pattern at high speed

kabelmat
easy winding, easy working.

AUTOLOG

Winding line with automatic drum pick-up

Clearly structured material flow



Software

optimum data flow of data between warehouse management and machine

Speed

max. 250 m/min

The desired length is unwind from the original drum and wind onto the target drum and cut off - in a fully automated process. Even the process of transportation to the cutting machine is carried out by conveyor systems. The winding and unwinding processes take place at the same time. The winder and unwinder are driven by one motor each and synchronised using an electronic traction monitor. This stops the cable from being overstretched. Automated routing of the cables onto drums and rings ensures that the winding pattern is clear and consistent. During this process, the cutting data is logged and then archived by calibrated length measurement devices. In this way, it is possible to trace each order position using its individual drum data right through to the production process.

PORTROL

Winding line for heavy cable drums

We move big drums

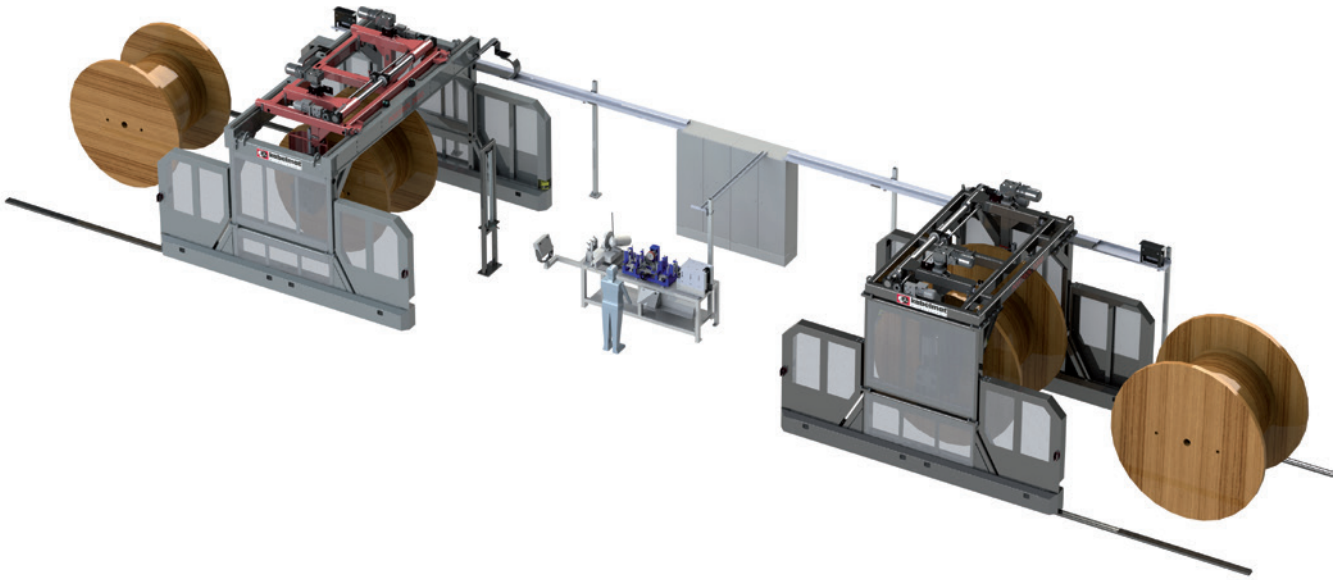


Fig. 1 PORTROL 3000 TELE-ABW / PORTROL 2600 TELE-AUF

PORTROL

- **Winding line for heavy cable drums**

Wrapping machines for the heavy duty range are used for the cutting and wrapping of cables for high energy transfer as well as for data transfer in the copper and glass fibre field. This requires cable drums of a large diameter due to the maximum admissible bending radius and the big cutting lengths for energy transfer over long distances.

For this purpose Kabelmat has developed machines for drum sizes of up to:

Drum diameter	up to 3.000 mm
Drum weight	up to 10.000 kg
Cable diameters	up to 100 mm

Due to the tough and time-consuming rolling in of the heavy cable drums, these machines are now available with a running gear mounted on rails. This mobile unit facilitates work considerably.

In addition, these machines are driven by powerful servomotors and are equipped with digital servo-converters with Profinet interface. The complete line is speed-controlled. The unwinder is also equipped with a motorised drive for the winding operation with instantaneous control.

Length measuring devices are available of contactless laser measuring design or the well proven MESSBOI 100 with electronic preselection counter, always with permission for the movement of goods requiring calibration. The suitable cable cutter is also available.

PORTROL

Winding line for heavy cable drums

Basic equipment:

- Steel frame of solid design, stationary screwed down onto the floor
- Steel frame of solid design, mobile on rails
- Very simple and easy material holding fixture with spindle sleeve arms driven by electric motor. The spindle sleeve arms move completely together so that even very narrow drums can be taken up
- Internal frame with the complete spindle sleeve unit for drum receipt traversing via AC geared motor
- Drum holder takes place via quick-change cones and a one-sided driver wing with sliding drive pin
- Winding drive consisting of AC geared motor with frequency converter
- The functions lifting/lowering as well as clamping/opening of the spindle sleeve arms via electric spindle drive together by pres sing a button. The clamping force is limited by a set torque
- Hanging buttons for operating the functions lifting/lowering, clamping/opening, positioning of the drum
    - Lateral sheet metal covering in the area of the sleeve arms against the intervention in the winding area
    - Drum lowering protection
    - Material return detection
    - CE declaration of conformity according to Machinery Directive 2006/42/EG
    - Electrical switch cabinet implemented in the machine

Recommended equipment:

- **Speed-controlled gear motor** depending on technical spezifications
- **Frictionally engaged drum driver** with sleeve for easy loading of the drum without carrier bolts
  Consisting of two carriers for both pintle arms. Cylindric drum loading.
- **ACUMATIC, material accumulator / dancer**
- **Instantaneous regulation of winding drive**

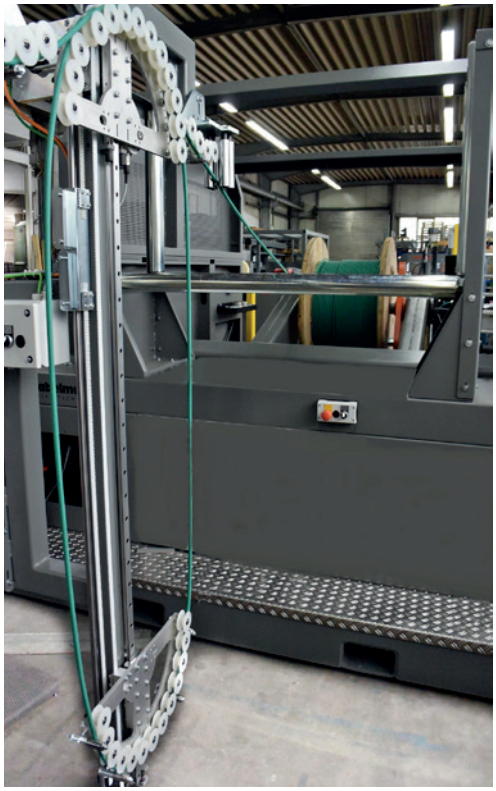


Fig. 2 ACUMATIC, material accumulator / dancer for controlling and synchronization of the drive of the drum. Necessary for tension sensitive winding goods

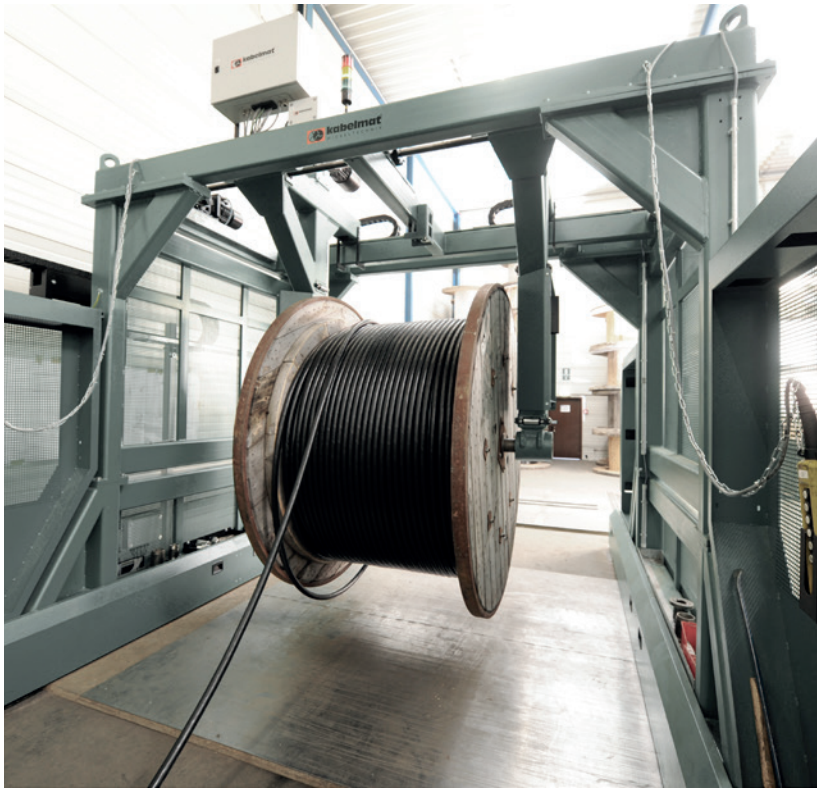
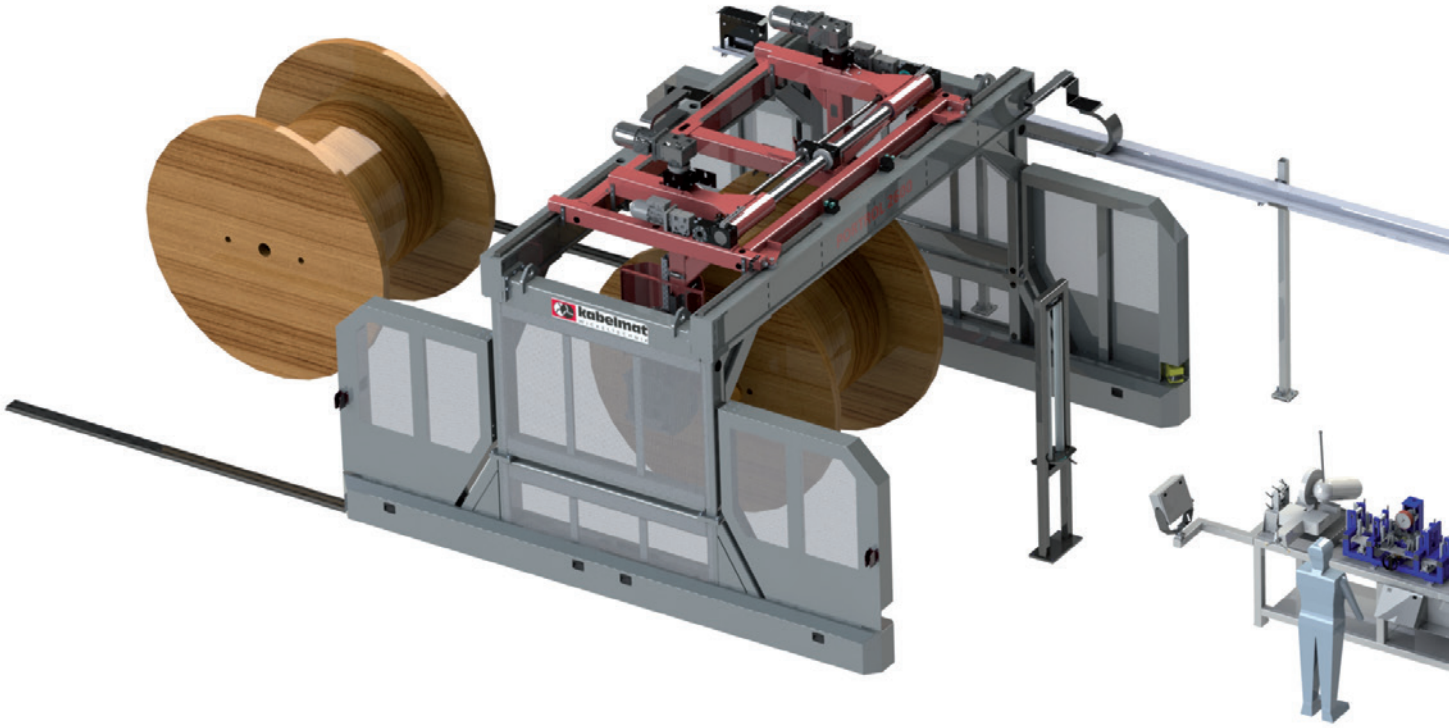


Fig. 3 PORTROL 2500 AWB

PORTROL 3000 ABW - PORTROL 2600 AUF

Synchronised working drives will not only avoid an overstretching of the cable, but also ensure a perfect laying patter



Additional function for winder:

Automatical synchronization of traversing with winding drives
The traversing pintle unit is getting synchronized with the winding drive for an exactly lay of the cable material. Therefore, the cable has to be fixed on one point in the inlet device to run into machine.

Additional function for unwinder:

Follow-up control of the traversing via sensors
Due to follow-up control, rigid cables and wires are guided straight through the winding line. That has the advantage that there are no unnecessary bends and a gentle winding process is guaranteed.

PORTROL

Winding line for heavy cable drums

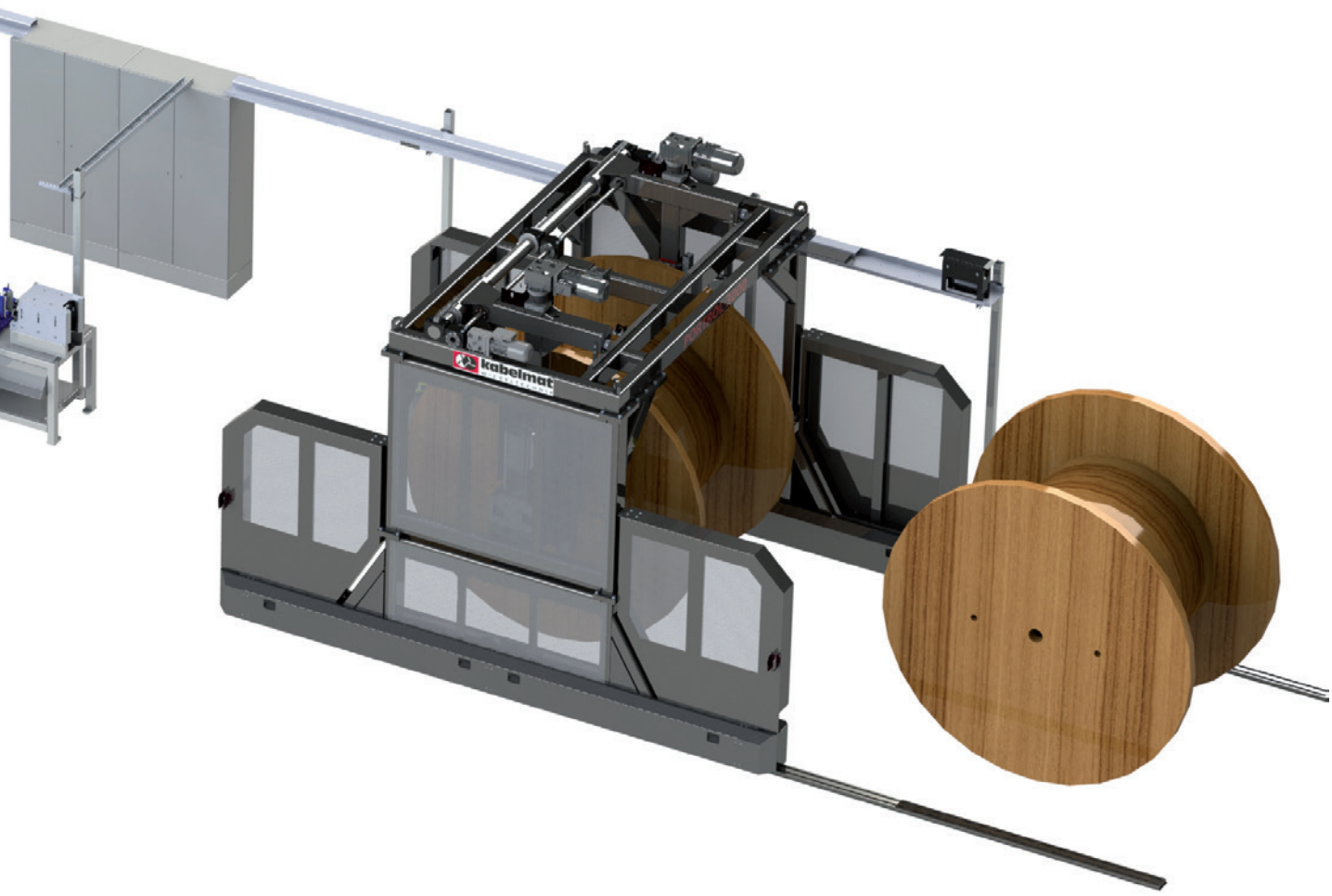
Equipment:

Portal unwinder PORTROL 3000

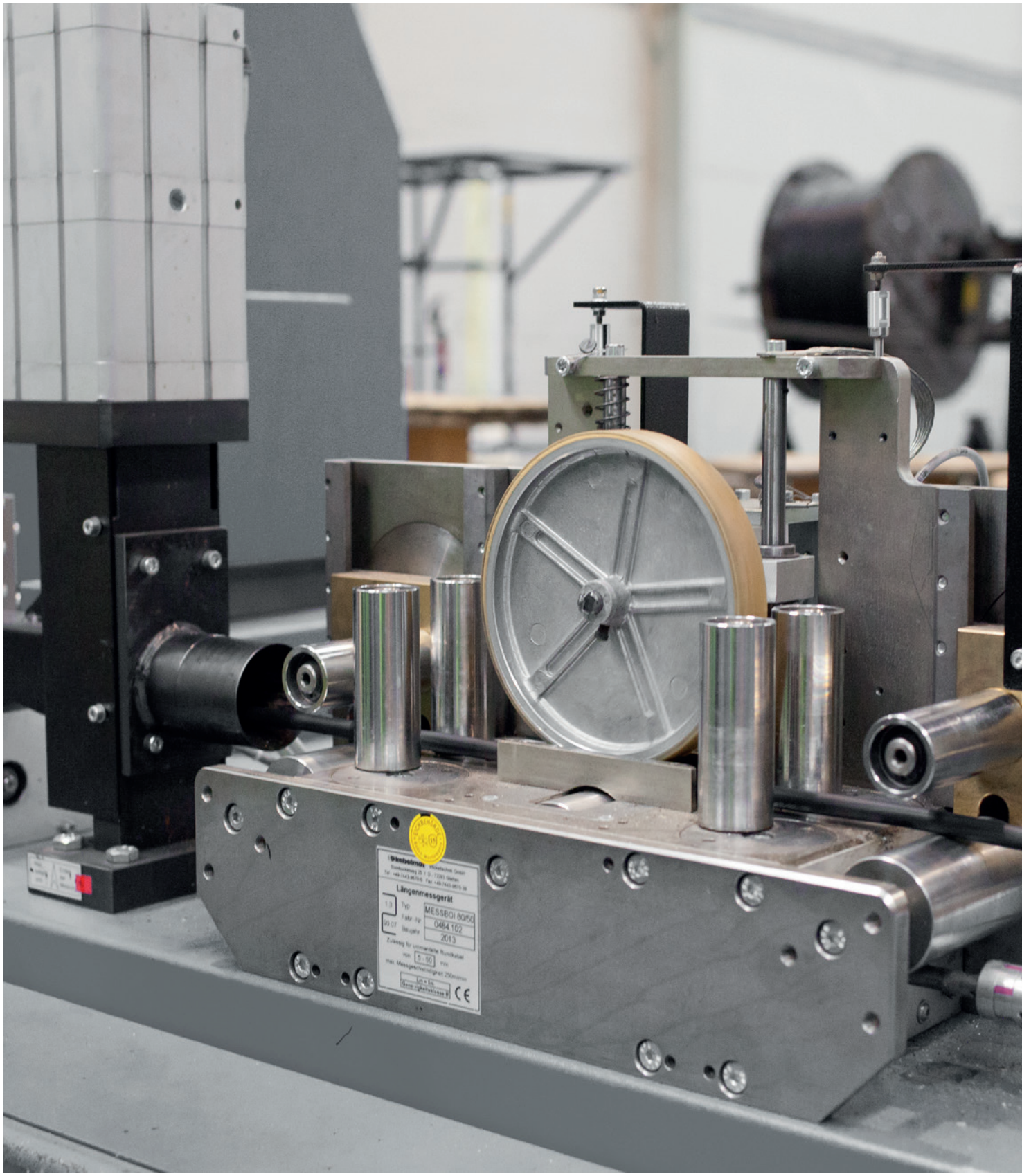
- Mobile version for an easy assembling of heavy drums
- Telescopic arns for drum take-up
- Frequency controlled winding drive with AC-drive engine
- Safety laser scanner for area safeguarding
- Device table with mounted length measuring device MESSBOI 100, cable cutter and cable guiding

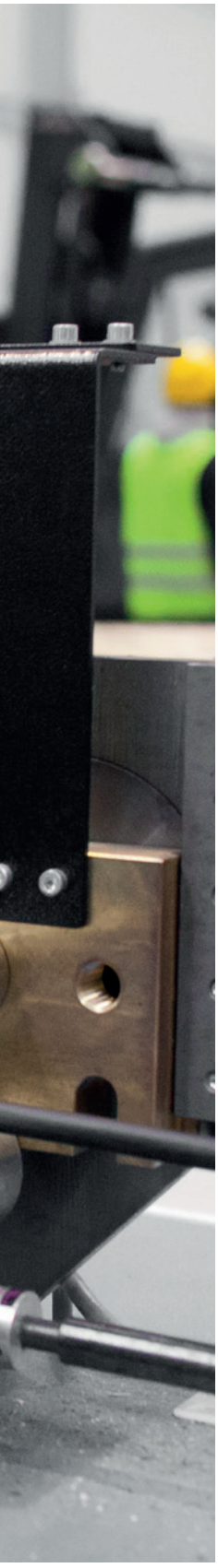
Portal unwinder PORTROL 2600

- Mobile version for an easy assembling of heavy drums
- Telescopic arms for drum take-up
- Frequency controlled winding drive with AC-drive engine
- Safety laser scanner for area safeguarding
- Traversing via cable guiding unit for an exactly winding pattern of the material



LENGTH MEASURING SYSTEMS





PRODUCTS	PAGE
• MESSBOI 10	86 - 87
• MESSBOI 30	88
• MESSBOI 40 BAND	89
• MESSBOI 40 BAE	90 - 91
• MESSBOI 40 BVE	92 - 94
• MESSBOI 80 BVE	95
• MESSBOI 100 BVE	96
• MESSBOI 100 LASER	97

MESSBOI 10

Length measuring device, mechanical

Available with conformity assessment (MID)

Compact design

Fig. 1 MESSBOI 10

MESSBOI 10

- **Mechanical length measuring device for material Ø max. 15 mm**

Functionality:

This length measuring unit is suitable for length measuring of winding goods like cables and wires. Regarding the application MESSBOI 10 is available in various versions.

- Avoiding material loss
- High measuring accuracy
- Simple construction and handling
- Conformity assessed version to be used in direct sales

Length measuring device

Technical data	MESSBOI 10	MESSBOI 10 MID*
Part No.	**85100471**	**86100471**
Winding good-Ø	1-15 mm	1-10 mm
Measuring force	Spring pressure	Spring pressure
L x W x H	approx. 160 x 110 x 90 mm	approx. 160 x 110 x 90 mm
Counter with reset key	9999,99 m	9999,99 m
Housing	Polystyrol	Polystyrol
Colour	black / white	black / white
Weight	0,5 kg	0,5 kg
Measuring accuracy	+ / - 2 %	+ / - 0,5 %
Incl. MID*	-	✓
Incl. mounting bracket	-	-

MESSBOI 10

Length measuring device, mechanical

Length measuring device incl. mounting bracket

Technical data	MESSBOI 10 B	MESSBOI 10 B MID*
Part No.	**85100543**	**86100543**
Winding good Ø	1-15 mm	1-10 mm
Measuring force	Spring pressure	Spring pressure
L x W x H	approx. 260 x 110 x 140 mm	approx. 260 x 110 x 140 mm
Counter with reset key	9999,99 m	9999,99 m
Housing	Polystyrol	Polystyrol
Colour	black / white	black / white
Weight	0,7 kg	0,7 kg
Measuring accuracy	+ / - 2 %	+ / - 0,5 %
Incl. MID*	-	✓
Incl. mounting bracket	✓	✓

Fig. 2 MESSBOI 10 with mounting bracket

Length measuring device incl. hand grip

Technical data	MESSBOI 10 HT	MESSBOI 10 HT MID*
Part No.	**85100442**	**86100442**
Winding good Ø	1-15 mm	1-10 mm
Measuring force	Spring pressure	Spring pressure
L x W x H	approx. 250 x 110 x 250 mm	approx.250 x 110 x 250 mm
Counter with reset key	9999,99 m	9999,99 m
Housing	Polystyrol	Polystyrol
Colour	black / white	black / white
Weight	1,0 kg	1,0 kg
Measuring accuracy	+ / - 2 %	+ / - 0,5 %
Incl. MID*	-	✓

Fig. 3 MESSBOI 10 HT with hand grip

Length measuring device for flat material

Technical data	MESSBOI 10 FLA
Part No.	**85100443**
Winding good W x H	100 x 15 mm
Measuring force	Spring pressure
L x W x H	approx. 160 x 210 x 90 mm
Counter with reset key	9999,99 m
Housing	Polystyrol
Colour	black / white
Weight	0,75 kg
Measuring accuracy	+ / - 2 %
Incl. MID*	-

Fig. 4 MESSBOI 10 FLA for flat material

* MID/ Conformity assessment regarding measuring accuracy III (formerly first calibration) for coated round materiial issued by German calibration authority for a period of 2 years. Valid for all EU / EEA member states. Only approved for useage in driect sales!

Indoor use only. Fig. may differ from the original.

MESSBOI 30

Length measuring device, mechanical

Variable length measuring device

Roller cage

Fig. 1 MESSBOI 30 handle grip

Fig. 2 MESSBOI 30 base socket

Fig. 3 MESSBOI 30 with roller cage and base socket

MESSBOI 30

- **Mechanical length measuring device for material Ø max. 30 mm**

Functionality:

This length measuring unit is suitable for length measuring of winding goods like cables and wires. This device is variable and can be used stationary as well as portable. For a portable use screws can be loosen simply and the length measuring device can be remove from its base socket.

- Variable device: stationary via base socket (inclusive) or portable via hand grip
- Aluminium measuring wheel

Technical data	MESSBOI 30*
Part No.	**85001000**
Winding good Ø	1 - 30 mm
L x W x H	approx.130 x 130 x 320 mm
Counter with reset key	9999,99 m
Measuring accuracy	+/-2 %
Measuring wheel	aluminium
Colour	RAL 7005 mouse grey
Weight	approx. 2,2 kg
Base socket	inclusive

Accessory	Roller cage for MESSBOI 30*
Part No.	**85100541**

This roller cage can be used for a better guiding of the material.

* Note: MESSBOI 30 (Part No. 85001000) and roller cage (Part No. 85100541) are discontinued models.
Indoor use only. Fig. may differ from the original.

MESSBOI 40 BELT

Length measuring device

Length measuring for various winding material

Fig. 1 MESSBOI BAND with tripod stand

MESSBOI 40 BELT

- **Belt measuring length device for winding material Ø max. 40 mm**

Functionality:

This length measuring device is used for round and flat material such as cables, pipes, hoses, ropes of all kind. It is perfectly suited for high measurement precision and low measurement tolerances. The chassis consists of a stainless steel casing in which above all the sensitive components are well protected against outer influences. The scanning of the material to be measured is ensured by two measuring tape units running against each other. The top tape unit is liftable by means of a knee lever and due to its coordinated own weight adapts itself to the thickness of the material to be measured.For registration the length, the bottom measuring unit is provided with a rotary pulse encoder.

Technical data	MESSBOI 40 BELT
Part No.	**0405.000**
Material Ø (incl. MID / conformity assessment)	1 - 40 mm (1 - 30 mm)
Thickness flat cable with MID / conformity assessment	5 - 13 mm
Width flat cable with MID / conformity assessment	10 - 40 mm
Measuring wheel extent	0,5 m
Rotary pulse encoder	500 Imp /per turn 24 VDC
Measuring accuracy regarding accuracy class III (incl. inlet and outlet roller cages)	+/- 0,5 %
Speed (incl. conformity assessment)	max. 500 m / min (max. 200 m / min)
Counter	99999,999 m
L x W x H	approx. 500 x 300 x 500 mm

Basic equipment:

- One set of inlet and outlet rollers with adjustable width
- Measuring tape with manual column-type measuring wheel adjustment
- Flange for a second rotary pulse encoder, provided for in the stainless steel casing
- Preselection counter and rotary pulse encoder integrated in the stainless steel casing
- A preselection counter ME40 with two potential-free electric contacts for controlling the fast motion / inching function of an adjustable winding drive. The counter is equipped with a plastic foil keyboard for inputting the data
- Supervision of the calibrating speed with a luminous indicator

Fig. 2 MESSBOI BAND

Supplementary equipment:

- **Tripod stand for floor mounting** (Height adjustable 1320 - 1620 mm) or **stand for table mounting**
- **Holding arm with inlet and outlet roller cage**
- **Manual height locking device of the measuring wheel**
- **Conformity assessment / MID (formerly first calibration)** of the length measuring unit with additional inlet and outlet roller cages is approved by German Authorities for a period of two years from date of delivery, valid for all EEA Member States. Conformity has to be carried out in the manufacturing firm. Prolongation of this approval after 2 years had expired is not included in the delivery
  - **Data interface module f**or storing of cutting data
  - **Label printer** with interface to the preselection counter
  - **Holder for label printer**

Indoor use only. Fig. may differ from original.

MESSBOI 40 BAE

Length measuring device, mechanical

Mechanical length measuring with modular design

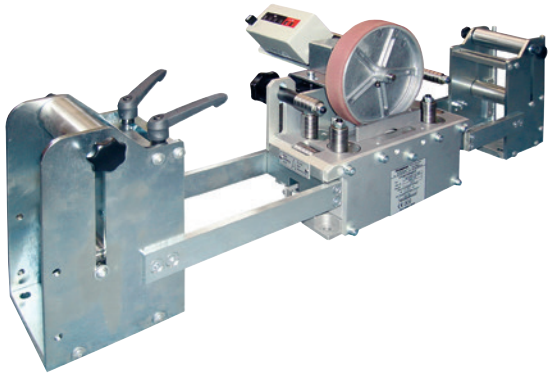


Fig. 1 MESSBOI 40 BAE with inlet and outlet roller cages

MESSBOI 40 BAE

- **Length measuring device for material Ø max. 40 mm**

Functionality:

Measuring unit for winding goods up to an outer diameter of 40 mm with mechanical counter. Depending on the application we offer various versions to customer specification. These measuring units consist of a solid carcass equipped with guide rollers to which the measuring device is mounted. Measuring scanning by means of measuring wheel. Calibration approval for sheathed round cables with additional inlet and outlet. If requested, also available with stainless steel-counter roller for the measuring of steel ropes.Conformity certification of the length measuring device with additional inlet and outlet rollers for coated round cables is approved by German Authorities for a period of two years and valid for all EU/EEA member states. **Attention: Conformity assessment / MID (formerly first calibration) is only approved for usage in direct sales!**

Basic equipment:

- One set of inlet and outlet rollers of adjustable height and centrally adjustable width
- The length is measured by a measuring wheel
- Addierendes mechanisches Zählwerk mit Reset-Taste

Supplementary equipment:

- **Alu profile** mit Befestigungsplatten für Messgerät, Rollenkäfige und Hebelschere
- **Inlet and outlet roller cages**
- **Conformity assessment / MID (formerly first calibration)** of the length measuring unit with additional inlet and outlet rolle cages is approved by German Authorities for a period of two years from date of delivery, valid for all EEA Member States. Conformity has to be carried out in the manufacturing firm. Prolongation of this approval after 2 years had expired is not included in the delivery) Only approved for useage in direct sales!

Basic device MESSBOI 40 BAE

Technical data	MESSBOI 40 BAE*
Part No.	85100003
Material Ø	1 - 40 mm
Material Ø incl. conformity assessment	2 - 25 mm
L x W x H (without roller cages)	approx. 320 x 320 x 280 mm
Counter with reset key	9999,99 m
Measuring wheel circuit	0,5 m
Error limit with roller cages due to class of accuracy III	+ / - 0,5 %
Material	steel / stainless steel / aluminium
Weight	12 kg
Speed incl. conformity assessment	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

Fig. 2 MESSBOI 40 BAE basic device

MESSBOI 40 BAE

Length measuring device, mechanical

Roller cages

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 cable drum rack	-	✓	-	✓
Rollers horizontal adjustable	✓	✓	✓	✓
Rollers horizontal and vertical adjustable	✓	✓	-	✓
Material Ø	max. 40 mm	max. 40 mm	max. 40 mm	max. 40 mm
Outlet rollers Ø	35 mm	35 mm	-	-
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 galvanised	steel galvanised	steel galvanised	steel galvanised
Guiding rollers inlet	stainless steel	plastic	plastic	stainless steel
Guiding rollers outlet	stainless steel	stainless steel	-	-

Conformity assessment

Technical data	Conformity assessment / MID (formerly first calibration)
Part No.	**146**

Conformity assessment / MID (formerly first calibration)
of the length measuring unit with additional inlet and outlet roller cages is approved by German Authorities for a period of two years from date of delivery, valid for all EEA Member States. Conformity has to be carried out in the manufacturing firm. Prolongation of this approval after 2 years had expired is not included in the delivery) **Only approved for useage in direct sales!**

Alu profile and lever shear

Technical data	Alu profile for MESSBOI 40
Part No.	**86100005**
With mounting plates for roller cages, measuring unit and lever shear	

Fig. 7 Alu profile with MESSBOI 40 BAE , MATIS 40, inlet and outlet roller cages

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

Fig. 8 MATIS 40 lever shear

Indoor use only. Fig. may differ from original.

MESSBOI 40 BVE

Length measuring device, digital

Digital length measuring with modular design

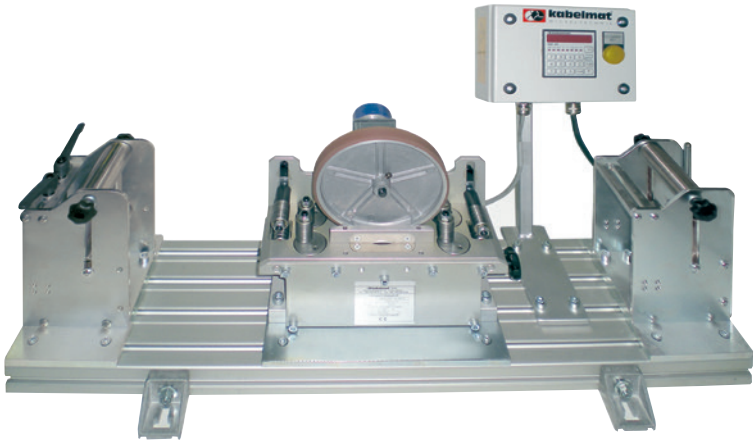


Fig.1 MESSBOI 40 BVE with counter in housing, inlet and outlet roller cages mounted on alu profile

MESSBOI 40 BVE

- **Digital length measuring device for material Ø max. 40 mm**

Functionality:

Length measuring device with digital counter. Depending on the application we offer various versions to cutomer specification.This measuring device consists of a solid base body with guiding rollers to which the measuring device is mounted. The scanning of the material to be measured is ensured by a measuring wheel. The MESSBOI 40 is approved for conformity evaluation (former first calibration), with additional inlet and outlet rollers, by Federal Physical Technical Institute valid for all European member states and can be used in custody transfer of goods..

Basic equipment:

- A casing fitted to the length measuring device for the counter
- The length is measured by a measuring wheel
- One set of inlet and outlet rollers of adjustable height and centrally adjustable width
- A rotary pulse encoder with two channels A+B, 24VDC and connection cable
- A preselection counter ME40.6 with interface RS 485 with two potential-free electric contacts for controlling the fast motion/ inching function of an adjustable winding drive or a luminous indicator. The counter is equipped with a plastic foil keyboard for inputting the data. **Interface to Kabelmat data interface module**. Possibility of a conformity evaluation (previously first calibration) of the length measuring device with Kabelmat preselection counter and rotary pulse encoder in connection with additional inlet and outlet roller cages.
- Supervision of the calibration speed with luminous indicator

Supplementary equipment:

- **Angle drive for easy operation of the central adjustment of vertical guides on MESSBOI 40**
- **Cable end detection**
- **Sensor for measuring the cable diameter for automatic traversing and for switching off the winding drive at the cable end**
- **Inlet and outlet roller cages**
- **Conformity assessment / MID (formerly first calibration)** of the length measuring unit with additional inlet and outlet rolle cages is approved by German Authorities for a period of two years from date of delivery, valid for all EEA Member States. Conformity has to be carried out in the manufacturing firm. Prolongation of this approval after 2 years had expired is not included in the delivery)
  - **Data interface module f**or storing of cutting data
  - **Label printer** with interface for preselection counter
  - **Printer holder** for label printer
  - **Barcodescanner** for storing the length

MESSBOI 40 BVE

Length measuring device, digital

Basic device MESSBOI 40 BVE

Technical data	MESSBOI 40 BVE
Part No.	**85100455**
With 2 potential-free change-over contact wiith pre-and limit switching	
Material Ø (incl. MID / conformity assessment)	1 - 40 mm (2 - 25 mm)
Thickness flat cable with MID / conformity assessment	5 - 13 mm
Width flat cable with MID / conformity assessment	10 - 40 mm
Measuring wheel extent	0,5 m
Rotary pulse encoder	500 Imp / per turn 24 VDC
Measuring accuracy regarding accuracy class III (incl. inlet and outlet roller cages)	+ / - 0,5 %
Counter	99999,999 m
Speed	max. 350 m /min
Speed incl. conformity assessment	max. 200 m /min
L x W x H (without roller cages)	approx. 400 x 310 x 400 mm
Weigth	approx. 10 kg

Fig.2 MESSBOI 40 BVE with counter in housing

Roller cages

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	✓	✓	✓	✓
For winding from an unwinder	✓	-	✓	-
For winding out of a cable drum rack	-	✓	-	✓
Rollers horizontal adjustable	✓	✓	✓	✓
Rollers horizontal and vertical adjustable	✓	✓	-	✓
Material Ø	max. 40 mm	max. 40 mm	max. 40 mm	max. 40 mm
Outlet rollers Ø	35 mm	35 mm	-	-
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 galvanised	steel galvanised	steel galvanised	steel galvanised
Guiding rollers inlet	stainless steel	plastic	plastic	stainless steel
Guiding rollers outlet	stainless steel	stainless steel	-	-

MESSBOI 40 BVE

Length measuring device, digital

Conformity assessment and accessory

Technical data	**Conformity assessment / MID** (formerly first calibration)
Part No.	**242**
Conformity assessment / MID (formerly first calibration) of the length measuring unit with additional inlet and outlet roller cages is approved by German Authorities for a period of two years from date of delivery, valid for all EEA Member States. Conformity has to be carried out in the manufacturing firm. Prolongation of this approval after 2 years had expired is not included in the delivery	

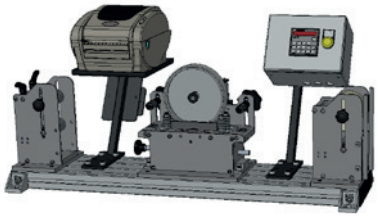


Fig.7 MESSBOI 40 BVE with counter in housing, inlet and outlet roller cages, holder for label printer and label printer

Needed accessory for conformity assessment (Part No. 242)

Technical data	Data interface module
Part No.	**85100938**
For storing of cutting data	

Technical data	Label printer
Part No.	**5101.000**
With interface to the preselection counter The company logo must be provided by the customer when ordering. In *.bmp format, black/white, Resolution 200dpi, max. size: 45mm x 20mm (width / height)	

Fig.8 Label printer

Technical data	Printer holder
Part No.	**85100949**
Holder for label printer	

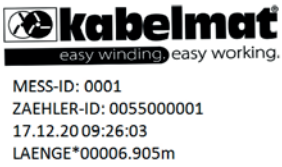


Fig.9 Example label incl. customer logo

Alu profile and lever shear

Technical data	Alu profile for MESSBOI 40
Part No.	**86100006**
For mounting onto table. With mounting plates for roller cages, measuring unit and lever shear	

Technical data	Alu profile for MESSBOI 40 mounted on MESSROL
Part No.	**86100005**
For mounting onto MESSROL 670 / 1000. With mounting plates for roller cages, measuring unit and lever hear	

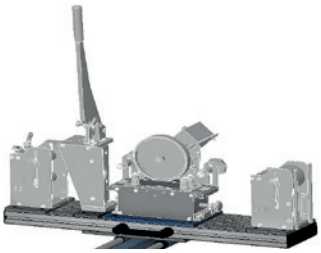


Fig.10 Alu profile

Technical data	**MATIS 40 Hebelschere** 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	8,3 kg
Material	Blades made of oxide ceramics
Cut release via hand lever.	

Fig.11 MATIS 40 lever shear

Indoor use only. Fig. may differ from original.

MESSBOI 80 BVE

Length measuring device, digital

Length measuring for big cable sizes

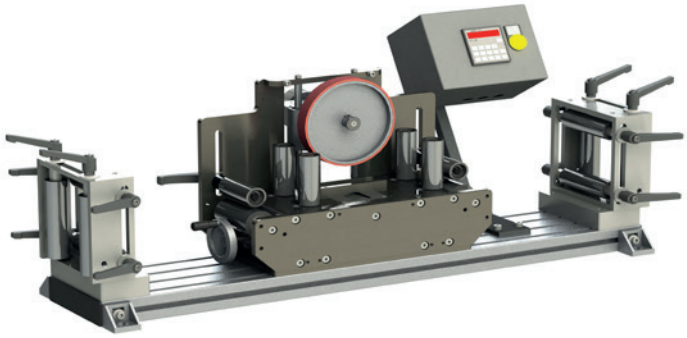


Fig. 1 MESSBOI 80 with housing and roller cages on alu profile

MESSBOI 80 BVE

- **Length measuring device for material Ø max. 80 mm**

Functionality:

This measuring device consists of a solid base body with guiding rollers to which the measuring device is mounted. The scanning of the material to be measured is ensured by a measuring wheel.

Technical data	MESSBOI 80 BVE
Part No.	**0484.000**
Material-Ø (incl. MID / conformity assessment)	1 - 80 mm (5 - 50 mm)
Thickness flat cable with MID / conformity assessment	5 - 20 mm
Width flat cable with MID / conformity assessment	10 - 60 mm
Measuring wheel extent	0,5 m
Rotary pulse encoder	500 Imp / per turn 24 VDC
Measuring accuracy regarding accuracy class III (incl. inlet and outlet roller cages)	+/- 0,5 %
Speed (incl. MID / conformity assessment)	max. 350 m / min (max. 250 m / min)
Counter	99999,999 m
L x W x H	approx. 510 x 270 x 310 mm
Weight	approx. 23 kg

Basic equipment:

- A casing fitted to the length measuring device for the counter
- The length is measured by a measuring wheel
- One set of inlet and outlet rollers of adjustable height and centrally adjustable width
- A rotary pulse encoder with connection cable
- A preselection counter ME40.6 with interface RS 485 with two potential-free electric contacts for controlling the fast motion/ inching function of an adjustable winding drive or a luminous indicator. The counter is equipped with a plastic foil keyboard for putting the data. **Interface to Kabelmat data interface module.** Possibility of a conformity evaluation (previously first calibration) of the length measuring device with Kabelmat preselection counter and rotary pulse encoder in connection with additional inlet and outlet roller cages.
- Supervision of the calibration speed with luminous indicator.

Supplementary equipment:

- **Diameter recognition mounted on the MESSBOI 80** to determine the diameter of winding good
- **Conformity assessment / MID (formerly first calibration)** of the length measuring unit with additional inlet and outlet roller cages is approved by German Authorities for a period of two years from date of delivery, valid for all EEA Member States. Conformity has to be carried out in the manufacturing firm. Prolongation of this approval after 2 years had expired is not included in the delivery
  - **Data interface module f**or storing of cutting data
  - **Label printer** with interface to the preselection counter

Indoor use only. Fig. may differ from original.

MESSBOI 100 BVE

Length measuring device, digital

Length measuring device for big material

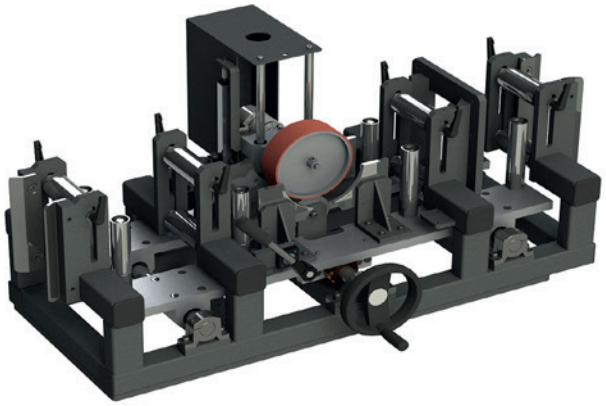


Fig.1 MESSBOI 100 BVE with pre-selection counter in housing

MESSBOI 100 BVE

- **Laser length measuring device for material Ø max. 100 mm**

Functionality:

This measuring device consists of a solid base body with guiding rollers to which the measuring device is mounted. The scanning of the material to be measured is ensured by a measuring wheel.

Technical data	MESSBOI 100 BVE
Part No.	**0492.000**
Material-Ø (incl. MID / conformity assessment)	5 - 100 mm (10 - 80 mm)
Thickness flat cable with MID / conformity assessment	5 - 20 mm
Width flat cable with MID / conformity assessment	10 - 60 mm
Measuring wheel extent	0,5 m
Rotary pulse encoder	500 Imp / per turn 24 VDC
Measuring accuracy regarding accuracy class III (incl. inlet and outlet roller cages)	+/- 0,5 %
Speed (incl. MID / conformity assessment)	max. 250 m / min (max. 150 m / min)
Counter	99999,999 m
L x W x H	approx. 1100 x 550 x 450 mm
Weight	approx. 80 kg

Basic equipment:

- Four sets of inlet and outlet rollers, adjustable in height and centrally adjustable in width
- Mechanical measuring wheel mounted on two pillar guides
- The length is measured by a measuring wheel
- Measuring wheel rests on the material due to its dead weight
- A rotary pulse encoder with connection cable
- A preselection counter ME40.6 with interface RS 485 with two potential-free electric contacts for controlling the fast motion / inching function of an adjustable winding drive or a luminous indicator. The counter is equipped with a plastic foil keyboard for inputting the data. **Interface to Kabelmat data interface module**. Possibility of a conformity evaluation (previously first calibration) of the length measuring device with Kabelmat preselection counter and rotary pulse encoder in connection with additional inlet and outlet roller cages.
- Supervision of the calibration speed with luminous indicator.

Supplementary equipment:

- **Diameter recognition** mounted on the MESSBOI 100 to determine the diameter of winding good
- **Conformity assessment / MID (formerly first calibration)** of the length measuring unit with additional inlet and outlet roller cages is approved by German Authorities for a period of two years from date of delivery, valid for all EEA Member States. Conformity has to be carried out in the manufacturing firm. Prolongation of this approval after 2 years had expired is not included in the delivery
  - **Data interface module f**or storing of cutting data
  - **Label printer** with interface to the preselection counter

Indoor use only. Fig. may differ from original.

MESSBOI 100 LASER

Length measuring device, digital

Contactless length measuring

Fig. 1 MESSBOI 100 LASER

MESSBOI 100 LASER

- **Length measuring device for material outer Ø max. 100 mm**

Functionality:

Contactless length measuring device with roller guides working as per the laser-Doppler principle, certified as per MID 009. Specially developed device for installation in length measuring lines which require calibration.

Technical data	MESSBOI 100 LASER
Part No.	**0495.000**
Material Ø (differing with conformity assessment)	4 - 100 mm
Speed	max. 5000 m / min
Electrical supply	110 - 240 V / 50 Hz
L x W x H	approx. 1100 x 550 x 450 mm
Weight	approx. 100 kg

Basic equipment:

- Basic unit with manual height adjustment
- Basic unit with motorized height adjustment
- Inlet and outlet rollers of adjustable height and centrally adjustable width
- Very high reproducibility - better 0.02%
- Very high absolute accuracy - better 0.05%
- No slippage - even at very high speeds and accelerations
- No wear or abrasion
- Multi-function display
- Interface module for storing the data
- Two potential-free electrical contacts for controlling the rapid / creep speed function of a controllable winding drive or a light-emitting indicator

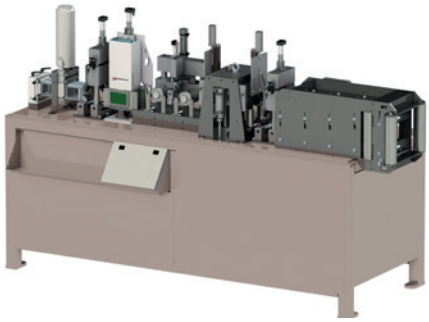


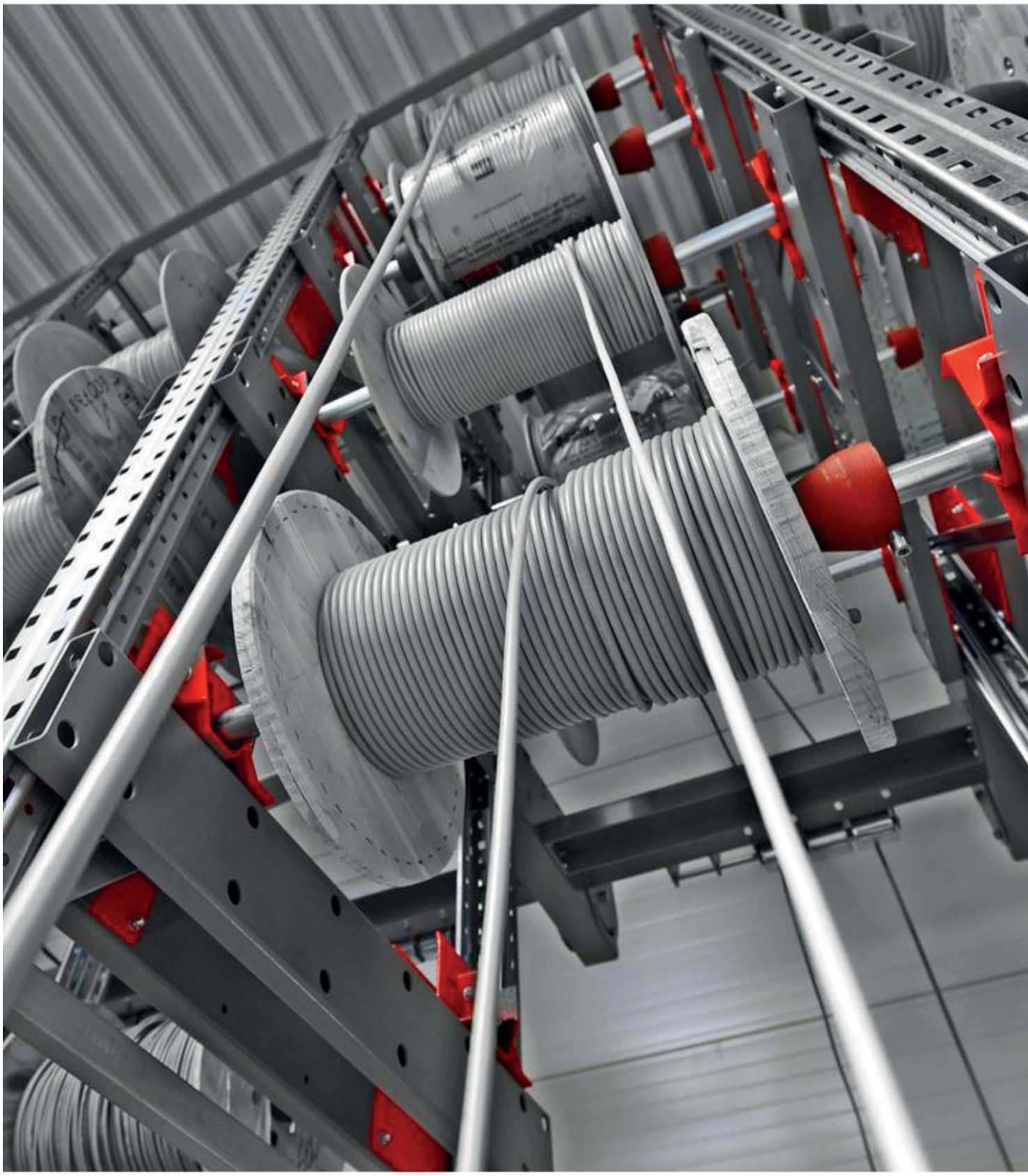
Fig. 2 Example MESSBOI LASER, Length measuring unit with guides and roller feed for semi-automatic infeed

Supplementary equipment:

- **Laser protective housing** mounted on length measuring device
- **Laser measuring head with intergrated direction detection**
- **Roller guide** vertically and horizontally adjustable
- **Inlet and outlet roller cages**
- **Conformity assessment / MID (formerly first calibration)** of the length measuring unit with additional inlet and outlet roller cages is approved by German Authorities for a period of two years from date of delivery, valid for all EEA Member States. Conformity has to be carried out in the manufacturing firm. Prolongation of this approval after 2 years had expired is not included in the delivery scope
  - **Data interface** module for storing of cutting data
  - **Label printer** with interface to the preselection counter
  - **Holder for label printer**

Indoor use only. Fig. may differ from original.

STORAGE SYSTEMS AND ACCESSORIES



PRODUCTS	PAGE
• MATBOI	100 - 103
• SPULBOI	104 - 107
• LAGBOI 2200 / 3000	108 - 109
• LAGROL / ABROL	110 - 115
• TROMSTOP	116
• TROMPLAT	117
• SPULROLLY	118
• TROMBULLY	119

MATBOI

Storage and unwindig system for cable coils, tubes, plastic pipes

Time-saving storage and unwinding of cable coils, tubes and plastic pipes

Fig. 1 MATBOI complete device

MATBOI

- **Storage and unwinding system for cable coils, tubes and plastic pipes**

Fuctionality:

This storing system is mainly used in workshop or production areas. It allows clearly ordered storing and entangling-free pulling-off according to demand. This mobile version offers a large variety of applications. Twisting-free material unwinding, simultaneous measuring and cutting-to-length of winding material such as cables, tubes or profiles wound on commercial coils is possible. Clearly ordered storage, ready for unwinding in guaranteed. This means coils can be loaded and removed easily. A new central adjustment of the clamping bolts ensures a sim-ple and continous tension of the coils. The bearing plates are made of electroganvanized surfaces for a smooth unwinding process. In addition, the plates are equipped with brakes to avoid an unconditional material flow during unwinding process.

- Variable equipping possibilities
- Space-saving system
- Mobile storage device
- Length measurement possible
- Easy assembly and removal of the coils (coils are stored separately)
- Possible combinations with SPULBOI storage rack for spools

Complete device

Fig. 2 MATBOI complete device

Complete device	MATBOI
Part No.	**85100670**
Components	consiting of:
1 pcs. storage rack	85101500
2 pcs. MATBOI 450 T	85100159
3 pcs. MATBOI 300 T	85100157
1 pcs. MATBOI 200 T	85100155
Technical data	
H x W x D	approx. 1780 x1040 x 700 mm
Colour	RAL 7005 mouse grey
Weight	approx. 100 kg

MATBOI

Storage and unwindig system for cable coils, tubes, plastic pipes

Storage rack / Wall profile rail

Fig. 3 Storage rack 650

Technical data	Storage rack 650 mobile
Part No.	**85101500**
H x W x D	approx. 1780 x 1040 x 700 mm
Loading capacity	max. 200 kg
Weight	approx. 42 kg
Colour	RAL 7005 mouse grey
Incl. 4 brakeable rollers	

Technical data	Attachment piece for storage rack
Part No.	**86181001**
H x B x D	approx. 60 x 30 x 315 mm

Complete unit incl. clamping rail and screws to extend storage rack about 300 mm

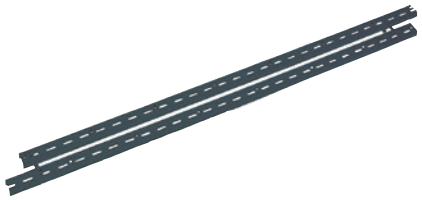


Fig. 4 Wall profile rail

Technical data	Wall profile rail (pair)
Part No.	**85100201**
H x W x D	approx. 980 x 30 x 13 mm
Weight	approx. 1 kg
Colour	RAL 7005 mouse grey

For mounting SPULBOI and MATBOI units
Note: Not suitable for MATBOI 480 T and MATBOI 650 T unit!

Coil storing units - horizontal

Fig. 5 MATBOI 200 T

Technical data	MATBOI 200 T
Part No.	**85100155**
Plate Ø	200 mm
Coil Ø	max. 190 mm
Height centering pins	110 mm
Core adjusting range	80 - 150 mm
Coil weight	max. 8 kg
Weight	approx. 8,6 kg
Colour plate / base	RAL 7035 light grey, RAL 7005 mouse grey

With a brake fitted on the shelf, allowing the mounting of MESSBOI 10 H

Fig. 6 MATBOI 300 T

Technical data	MATBOI 300 T
Part No.	**85100157**
Plate Ø	300 mm
Coil Ø	max. 290 mm
Height centering pins	110 mm
Core adjusting range	90 - 180 mm
Coil weigtht	max. 10 kg
Weight	approx. 9,2 kg
Colour plate / base	RAL 7035 light grey, RAL 7005 mouse grey

With a brake fitted on the shelf, allowing the mounting of MESSBOI 10 H

Storage and unwindig system for cable coils, tubes, plastic pipes

Coil storing units - horizontal

Fig. 7 MATBOI 450 T

Technical data	MATBOI 450 T
Part No.	**85100159**
Plate Ø	450 mm
Coil Ø	max. 440 mm
Height centering pins	110 mm
Core adjusting range	150 - 250 mm
Coil weight	max. 12 kg
Weight	approx. 10,2 Kg
Colour plate / base	RAL 7035 light grey, RAL 7005 mouse grey

With a brake fitted on the shelf, allowing the mounting of MESSBOI 10 H

Length measuring device

Fig. 8 MESSBOI 10 H

Technical data	MESSBOI 10 H
Part No.	**85100203**
Material Ø	1-15 mm
Measuring force	Spring pressure
L x W x H	approx. 260 x 110 x 140 mm
Counter with reset key	9999,99 m
Measuring accuracy*	+/- 2 %
Colour	black / white

With holder for mounting onto Part No. 86003004, 86003011, 86003010
* MESSBOI 10 H incl. MID/ conformity assessment (formerly first calibration) on request

Coil storing units- horizontal

Fig. 9 MATBOI 450 T

Technical data	MATBOI 480 T left	MATBOI 480 T right
Part No.	**85101502**	**85101503**
Type of swivel arm	left	right
Plate-Ø	480 mm	480 mm
Coil-Ø	max. 470 mm	max. 470 mm
Height centering pins	250 mm	250 mm
Core adjusting range	140 - 320 mm	140 - 320 mm
Coil weight	max. 20 kg	max. 20 kg
Colour plate / swivel arm	RAL 7005 mouse grey /zinc plated	RAL 7005 mouse grey / zinc plated

Storing unit for bigger coils mounted on swivel arm incl. brake infintely adjustable clamping bolts.

Fig. 10 MATBOI 650 T right

Technical data	MATBOI 650 T left	MATBOI 650 T right
Part No.	**85101505**	**85101506**
Type of swivel arm	left	right
Plate-Ø	650 mm	650 mm
Coil-Ø	max. 640 mm	max. 640 mm
Height centering pins	250 mm	250 mm
Core adjusting range	180 - 500 mm	180 - 500 mm
Coil weight	max. 20 kg	max. 20 kg
Colour plate / swivel arm	RAL 7005 mouse grey / zinc plated	RAL 7005 mouse grey / zinc plated

Storing unit for bigger coils mounted on swivel arm incl. brake infintely adjustable clamping bolts.

MATBOI

Storage and unwindig system for cable coils, tubes, plastic pipes

Time-saving storage and unwinding of tubes and plastic pipes

Do you want to store cable coils and cable spools?
No Problem - A combination is possible.

» Find more information at SPULBOI storage system

Fig. 11 Example MATBOI / SPULBOI storage system

Store and unwind tubes and plastic profiles

Particular attention is paid to the storage behaviour of pipes and plastic tubes rolled into coils. In contrast to cab-le coils, materials like tubes and plastic pipes rather tends to bounce when loaded on the plate as a loose coil. Therefore, in this further MATBOI development additional border pins and a cover plate are available to avoid the bounce of the coil.

Bouncing protection

- Border pins and cover plate to avoid the bounce of the coil (e.g. for tubes and plastic pipes)

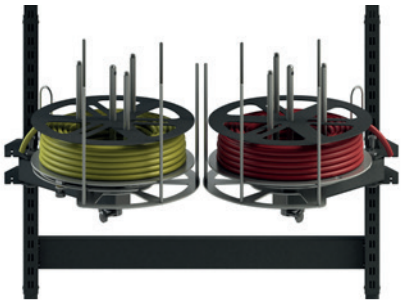


Fig. 12 MATBOI 480 T links / 480 T rechts mit Aufspringschutz beidseitig

Technical data	Bouncing protection for MATBOI 480 T
Part No.	**85101504**
Cover plate Ø	max. 480 mm
Incl. 5 border pins	✓
Height border pins	305 mm
Coil height	max. 230 mm
Weight	7,3 kg
Weight cover plate	2,7 kg
Colour cover plate	RAL 7005 mouse grey
Colour border pins	galvanised

Fig. 13 MATBOI 650 T right with bouncing protection

Technical data	Bouncing protection for MATBOI 650 T
Part No.	**85101507**
Cover plate Ø	max. 650 mm
Incl. 5 border pins	✓
Height border pins	305 mm
Coil height	max. 230 mm
Weight	10 kg
Weight cover plate	3,8 kg
Colour cover plate	RAL 7005 mouse grey
Colour border pins	galvanised

Indoor use only. Fig. may differ from original.

SPULBOI

Storage and unwinding system for cable spools

Time-saving storage and unwinding of cable spools

Fig. 1 Example SPULBOI storage system

SPULBOI

- **Storage rack and unwinding system for cable spools**

Functionality:

The SPULBOI storing system is mainly used in work shops, shops or production areas. It allows clearly ordered storing, twisting-free material unwind from the spools and cutting-to-length according to demand. The special advantage of some of these racks is the individual storing of each spool which allows quick and comfortable exchange of the single spools. Due to the individual suspension each spool is slightly braked and the spool stopps immediately upon material payout in order to avoid uncontrolled reeling-off after dispensing.

- Variable equipping possibilities
- Space-saving system
- Mobile storage device
- Length measurement possible
- Easy assembly and removal of the spools (spools are stored separately)
- Possible combinations with MATBOI storage rack for coils

Fig. 2 Example MATBOI / SPULBOI storage system

Do you want to store cable spools and cable coils?
No Problem - A combination is possible.

» Find more information at MATBOI storage system

SPULBOI

Storage and unwindig system for cable spools

Storage rack / wall profile rail

Fig. 3 Storage rack 650

Technical data	Storage rack 650 mobile
Part No.	**85101500**
H x W x T	approx. 1780 x 1040 x 700 mm
Loading capacity	max. 200 kg
Weight	approx. 46 kg
Colour	RAL 7005 mouse grey
Incl. 4 brakeable rollers	

Technical data	Attachment piece for storage rack
Part No.	**86181001**
H x W x T	approx. 60 x 30 x 315 mm
Complete unit incl. clamping rail and screws to extend storage rack about 300 mm	

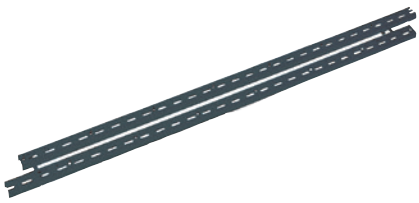


Fig. 4 Wall profile rail

Technical data	Wall profile rail (pair)
Part No.	**85100201**
H x W x T	approx. 980 x 30 x 13 mm
Weight	approx. 1 kg
Colour	RAL 7005 mouse grey
For mounting spool and coil storing units	

Spool storing units - horizontal

Fig. 5 SPULBOI 200-4-S

Technical data	SPULBOI 200-4-S
Part No.	**86003004**
Plate Ø	200 mm
Spulen-Ø	max. 190 mm
Centering piece	Ø 16 x 200 mm
Centering cone for bore Ø	25 - 80 mm
Spool weight	max. 8 kg
Colour plate / base	RAL 7035 light grey, RAL 7005 mouse grey
With overrun brake and fixture for MESSBOI 10 H mounted on shelf	

Fig. 6 SPULBOI 300-3-S

Technical data	SPULBOI 300-3-S
Part No.	**86003011**
Plate Ø	300 mm
Spool Ø	max. 290 mm
Centering piece	Ø 16 x 200 mm
Centering cone for bore Ø	25 - 80 mm
Spool weight	max. 8 kg
Colour plate / base	RAL 7035 light grey, RAL 7005 mouse grey
With overrun brake and fixture for MESSBOI 10 H mounted on shelf	

Fig. 7 SPULBOI 450-2-S

Technical data	SPULBOI 450-2-S
Part No.	**86003010**
Plate Ø	450 mm
Spool Ø	max. 440 mm
Centering piece	Ø 16 x 200 mm
Centering cone for bore Ø	25 - 80 mm
Spool weight	max. 8 kg
Colour plate / base	RAL 7035 light grey, RAL 7005 mouse grey
With overrun brake and fixture for MESSBOI 10 H mounted on shelf	

SPULBOI 450

Storage and unwinding system for cable spools

Spool storing units- vertical

Fig. 8 SPULBOI 200-7-S

Technical data	SPULBOI 200-7-S
Part No.	**85100539**
Storing unit **for** 7 spools	
Spool Ø	150 - 200 mm
Spool width	75 - 80 mm
Core Ø	50 mm
Spool weight	max. 4 kg
Colour	RAL 7005 mouse grey
With patented axle-free spool holders. Spools (Part No. 85015850, 8501584) are suspended and removable individually.	

Fig. 9 SPULBOI 310-7-S

Technical data	SPULBOI 310-7-S
Part No.	**85100407**
Storing unit **for** 7 spools	
Spool Ø	310 mm
Spool width	75 mm
Core Ø	150 mm
Spool weight	max. 5 kg
Colour	RAL 7005 mouse grey
With patented axle-free spool holders. Spools (Part No. 85100404) are suspended and removable individually.	

Fig. 10 SPULBOI 310-5-S

Technical data	SPULBOI 310-4-S	SPULBOI 310-5-S
Part No.	**86003080**	**86003081**
Amount axles	4 individually stored axles	5 individually stored axles
Spool Ø	max. 310 mm	max. 310 mm
Spool width	max. 215 mm	max. 167 mm
Axle Ø	10 mm	10 mm
Axle loading capacity	max. 5 kg	max. 5 kg
Colour	RAL 7005 mouse grey	RAL 7005 mouse grey

Empty spools

Fig. 11 Spool
Part No. 85015840

Fig. 12 Spool
Part No. 85100404

Technical data	Spool	Spool	Spool	Spool
Part No.	**85015850**	**85015840**	**85100404**	**85100406**
Spool Ø	150 mm	200 mm	310 mm	310 mm
Core Ø	50 mm	50 mm	150 mm	150 mm
Spool width	80 mm	75 mm	75 mm	150 mm
Bore Ø	18,5 mm	18,5 mm	30 mm	30 mm
Spool loading capacity	max. 4 kg	max. 4 kg	max. 5 kg	max. 5 kg
Colour	orange	black	black	black

SPULBOI 450

Storage and unwinding system for cable spools

Cable guiding rail

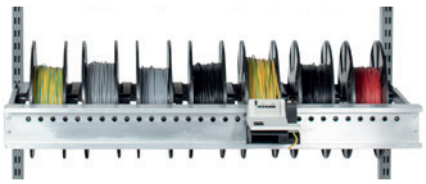


Fig. 13 Cable guiding rail

Technical data	Cable guiding rail
Part No.	**85100552**
Equipped with 30 reverse-lock wire guides. The rail includes horizontal extension slides and can be mounted to rack or wall profile to centralize material dispensing. For spools up to Ø of 310 mm.	

Length measuring device

Fig. 14 MESSBOI 10 LS

Technical data	MESSBOI 10 LS
Part No.	**85100441**
Material Ø	1-15 mm
Measuring force	Spring pressure
L x W x H	approx. 260 x 110 x 140 mm
Counter with reset key	9999,99 m
Measuring accuracy*	+/- 2 %
Colour	black / white
With holder for mounting into cable guiding rail. * MESSBOI 10 LS incl. MID/ conformity assessment (formerly first calibration) on request	

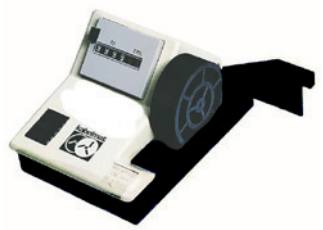


Fig. 15 MESSBOI 10 H

Technical data	MESSBOI 10 H
Part No.	**85100203**
Material Ø	1-15 mm
Measuring force	Spring pressure
L x W x H	approx. 260 x 110 x 140 mm
Counter with reset key	9999,99 m
Measuring accuracy*	+/- 2 %
Colour	black / white
With holder for mounting onto Part No. 86003004, 86003011, 86003010 * MESSBOI 10 H incl. MID/ conformity assessment (formerly first calibration) on request	

Spool storage rack - table version

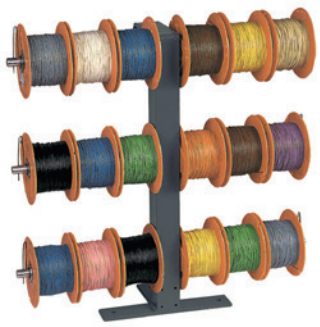


Fig. 16 SPULBOI 200

Technical data	SPULBOI 200
Part No.	**85001620**
For max. 18 spools Ø 200 and 80 mm width	
Axle Ø	18 mm
Weight	approx. 5,5 kg
Material	steel
Useable axle length	6 x 260 mm
L x W x H	approx. 620 x 165 x 620 mm
Colour	RAL 7005 mouse grey

Inddor use only. Fig. may differ from original.

LAGBOI 2200 / 3000

Cable drum rack and unwinding system

Strong helper with various equipping possibilities

Fig. 1 LAGBOI 2200 M

LAGBOI 2200 / 3000

- **Cable drum rack and unwinding system in stationary or mobile version**

Functionality:

The **LAGBOI** consits of pre-assembled modules (frame and crossbars) and can be assembled to a solid, clearly ordered, space-saving and very useful rack and unwinding device. The system is only suitable for **manual unwinding**.

- Variable equipping possibilities
- High stability
- High surface protection (powder coated)
- Available in stationary or mobile version
- Travelling equipment / drawbar includes a gas pressure spring (compensated weight)

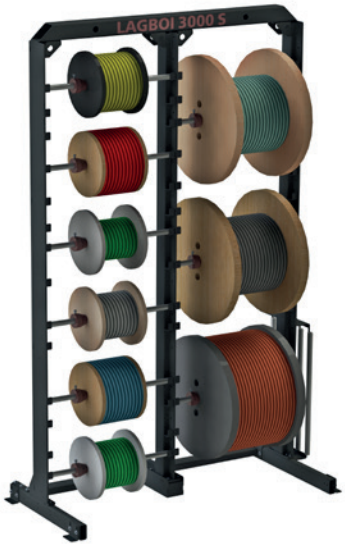


Fig. 2 LAGBOI 3000 S

kabelmat easy winding, easy working.

LAGBOI 2200 / 3000

Cable drum rack and unwinding system

Basic frame

Technical data	LAGBOI 3000 S	LAGBOI 2200 S	LAGBOI 3000 M	LAGBOI 2200 M
Part No.	85100934	85100935	85100936	85100937
H x W X D	3080 x 1880 x 980 mm	2170 x 1880 x 980 mm	3110 x 940 x 1430 mm	2200 x 1940 x 1430 mm
Loading capacity	max. 3000 kg	max. 3000 kg	max. 2200 kg	max. 2200 kg
Weight	approx. 250 kg	approx. 200 kg	approx. 280 kg	approx. 230 kg
Colour	RAL 7005 mouse grey	RAL 7005 mouse grey	RAL 7005 mouse grey	RAL 7005 mouse grey
Travelling equipment with drawbar and 4 heavy-duty-wheels	X	X	✓	✓
Equipping possibilities depending on drum sizes (KTG design DIN 46391)				
Equipping possibilitiy depending on drum size	12 x Ø 400 mm drums 2 x 6 axles	8 x Ø 300 mm drums 2 x 4 axles	12 x Ø 400 mm drums 2 x 6 axles	8 x Ø 300 mm drums 2 x 4 axles
or	8 x Ø 600 mm drums 2 x 4 axles	6 x Ø 600 mm drums 2 x 3 axles	8 x Ø 600 mm drums 2 x 4 axles	6 x Ø 600 mm drums 2 x 3 axles
or	6 x Ø 800 mm drums 2 x 3 axles	4 x Ø 900 mm drums 2 x 2 axles	6 x Ø 800 mm drums 2 x 3 axles	4 x Ø 900 mm drums 2 x 2 axles
or	4 x Ø 1000 mm drums 2 x 2 axles		4 x Ø 1000 mm drums 2 x 2 axles	

Drum axle

Part No.	Description
85008010	Drum axle Ø 34 x 840 mm incl. centering cones with clamping screws

Note: The device LAGBOI has to be assembled on site in accordance with the delivered manual.
The assembly is not included in the supply.

Indoor use only. Fig. may differ from the original.

Recommended accessory:

- **TROMSTOP transport and loading accessory** to transport, store and remove cable drums in and out of a cable drum rack

Fig. 3 Drum axle incl. centering cones

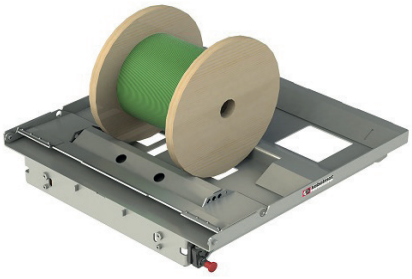


Fig. 4 TROMSTOP transport and loading accessory

LAGROL

Cable drum rack and unwinding system

Based on your individual demand

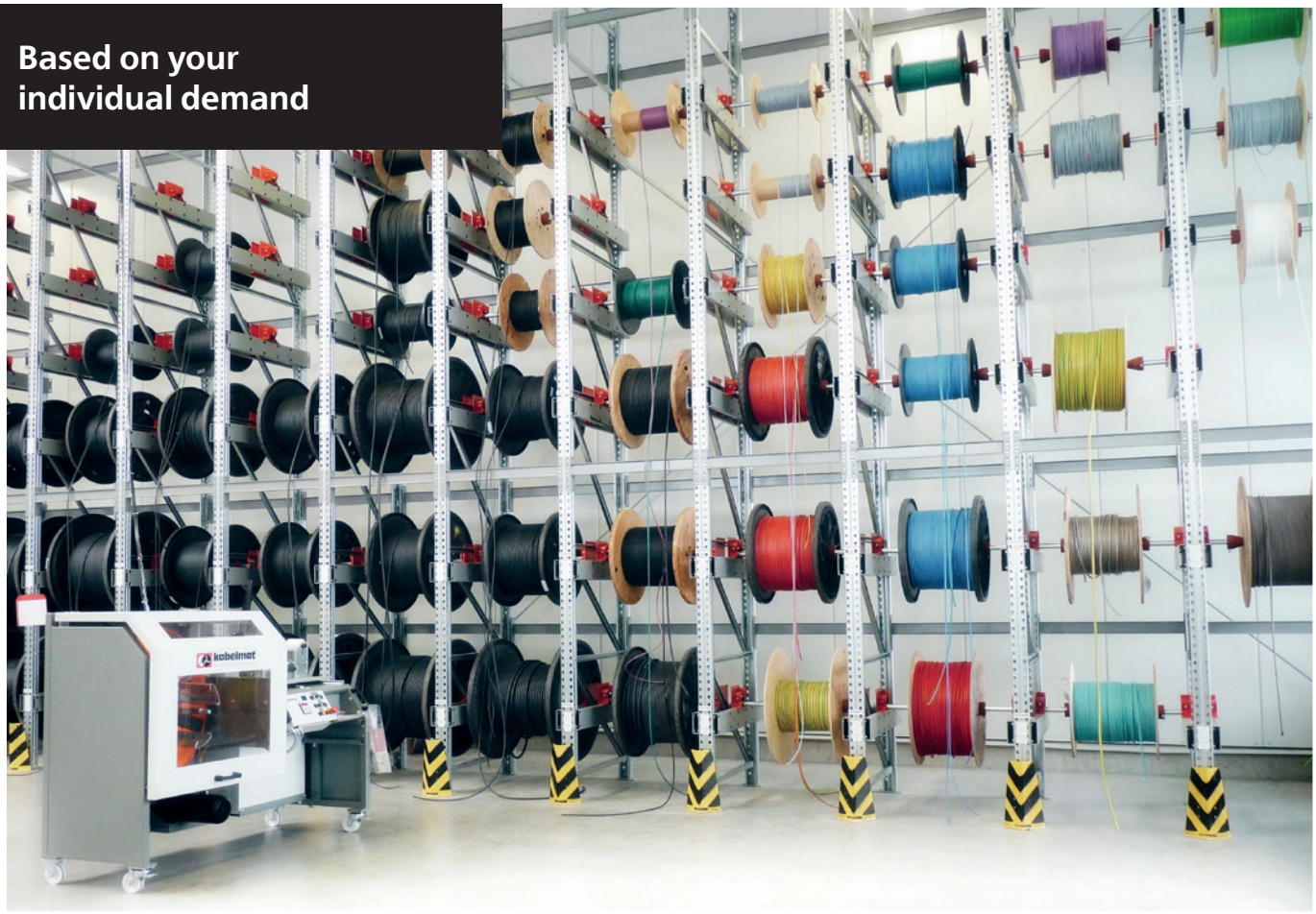


Fig.1 LAGROL cable drum rack with MOTROL 800 EASY coil and spool winding machine

LAGROL

- **Cable drum rack and unwinding system**

Functionality:

The LAGROL cable drum rack segments consist of two frames each of appropriate height, the necessary cross connectors for the respective segment load as well as of the axle holding fixtures and the axles for the drums. For each further segment only an additional frame is required and the corresponding number of cross connectors, axle holding fixtures and axles. The system is suitable for manual and mechanical winding.

This cable drum rack and unwinding system is ideal for the use in a production line along with the motorized take-ups such as UMROL, MOTROL or AUTOCUT. The solid construction with special and patened axle and / or drum holders and the fact that winders and storage system are well-suited to each other make this system ideal for the above mentioned range of application.

- Variable equipping possibilities
- Customer-specific system
- High stability
- High surface protection (powder coated)
- Perfect addition to cable winders
- Suitable for motorized winding

LAGROL

Cable drum rack and unwinding system

Fig.2 **LAGROL** axle holder

Fig.3 LAGROL cable drum rack with TROMPLAT transport and loading tool for cable drums

Also suitable for motorized winding

Store and wind cable comfortable - The perfect combination

- **MOTROL 800 EASY coil and spool winding machine**

The MOTROL 800 Easy is the entry-level model in the machine sector. This motorized ring and drum winding machine is designed for winding coilable material such as cables, pipes, hoses, steel ropes, plastic profiles etc. either as rings or on spools and drums. With the appropriate components such as length measuring device and material cutter, the material can be measured and cut to length. The winding speed is adjustable at the operating desk by means of a rotary potentiometer. The frequency-controlled winding drive allows a smooth winding of the material.

Our unwinders of the type MOTROL or UMROL allow unwinding straight from the stored drums. This is possible due to the solid design as well as to the patented axle holding fixtures with exchangeable brake linings.

» Find more information at MOTROL 800 EASY

Fig.4 MOTROL 800 EASY Coil and spool winding machine

LAGROL

Cable drum rack and unwinding system

Frames and crossbars

Part No.	Frames
85300073	Height 2200 mm
85300074	Height 2500 mm
85300075	Height 2700 mm
85300076	Height 3000 mm
85300077	Height 3300 mm
85300078	Height 3600 mm
85300079	Height 3800 mm
85300080	Height 4100 mm
85300081	Height 4400 mm
85300082	Height 4700 mm
85300083	Height 5200 mm
85300084	Height 5500 mm
85300085	Height 5800 mm
85300086	Height 6000 mm

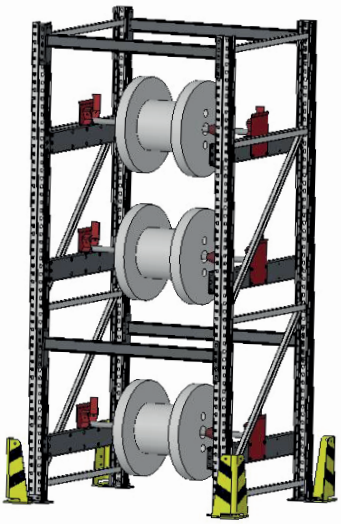


Fig.5 Example cable drum rack with 1 field

Part No.	Crossbars	Necessary crossbars	Loading capacity
85300090	870 mm up to Ø 900 mm	Height 2200 mm 1 front, 1 back	max. 3000 kg
85300091	1170 mm up to Ø 1400 mm	Height 2500 - 4100 mm 2 front, 2 back	max. 3000 kg
85300092	1370 mm up to Ø 1600 mm	Height 4400 - 5200 mm 3 front, 3 back	max. 4000 kg
85300093	1570 mm up to Ø 2000 mm	Height 5500 - 6000 mm 4 front, 4 back	max. 5200 kg

Frame accessory

Part No.	Accessory
85300097	Floor anchors (4 pcs. per frame)
85300099	Collision guard, corner (2 pcs. per frame)
85300098	Collision guard, front for drum Ø 900mm
85300115	Collision guard, front for drum Ø 800mm

Fig.6 Collision guard, corner

Fig.7 Collision guard, front

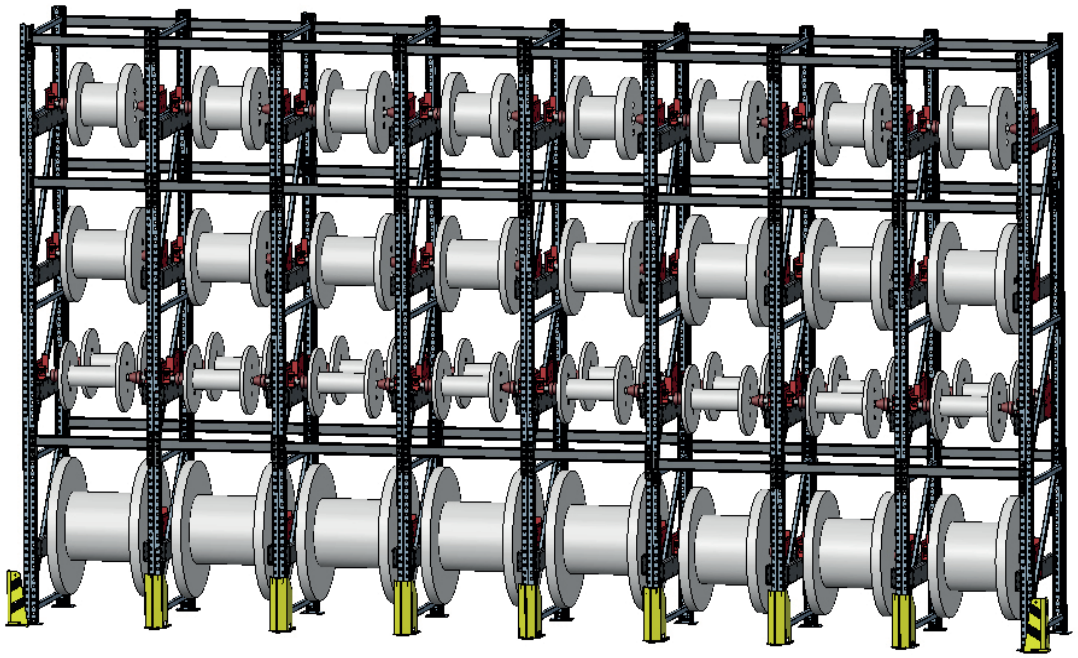


Fig.8 Examplel cable drum rack with 8 fields

Cable drum rack and unwinding system

Axle holders / shells

Part No.	Pair of axle holders with retaining tubes excl. brake pads
85300100	LAGROL 1050 mm depth, 2000 kg incl. retaining tubes - 3 holding pos. for single drum allocation
85300105	LAGROL 1050 mm depth, 2000 kg incl. retaining tubes - 5 holding pos. for double drum allocation max. drum Ø600mm

Part No.	Pair of axle holders with retaining tubes incl. brake pads
85300101	LAGROL 1050 mm depth, 2000 kg incl. retaining tubes - 3 holding pos. for single drum allocation

Part No.	Pair of axle shells excl. brake pads
85300104	LAGROL pair of axle shells without retaining tubes excl. brake pads

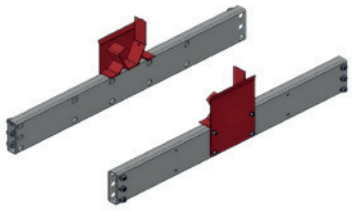


Fig.9 Pair of axle holders with retaining tubes excl. brake pads (3 pos.) for single drum allocation

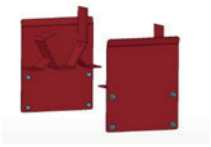


Fig.10 Pair of axle shells excl. brake pads

Fig.11 Axle shell incl. brake pad for Ø60 mm axle drum

Brake pads for axle holders / shells

Part No.	Brake pads for axle holders / shells
85300103	Brake pads (2 left,2 right) when using drum axle Ø 34mm
85300113	Brake pads (1 left,1 right) when using drum axle Ø 60mm

Fig.12 Brake pads for axle drum Ø34 mm

Fig.13 Brake pad for axle drum Ø60 mm

Drum axle incl. 2 centering cones

Part No.	Drum axle incl. 2 centering cones
85008010	Ø 34 - 840 mm, Loading capacity 1000 kg
85008020	Ø 34 - 1140 mm, Loading capacity 700 kg
85008030	Ø 60 - 1140 mm, Loading capacity 1700 kg
85008040	Ø 60 - 1340 mm, Loading capacity 2000 kg
	Special axles upon request

Fig.14 Drum axle incl. 2 cones

Clamping tool for cones

Part No.	Clamping tool for cones
85300108	Clamping tool for cones with axle Ø 34 mm
85300109	Clamping tool for cones with axle Ø 60 mm

Fig.15 Clamping tools for cones

Drum axle incl. driving pin

Part No.	Drum axle incl. driving pin
Note: For drums whose bores are provided with a steel insert, we recommend to use our special drum axles with driving pin	
85300114	Ø 60 - 1140 mm, Loading capacity 2000 kg
85300110	Ø 60 - 1340 mm, Loading capacity 2000 kg

Indoor use only. Fig.may differ from original.

Fig.16 Drum axle incl. driving pin

LAGROL

Cable drum rack and unwinding system

Cable trailing system for LAGROL

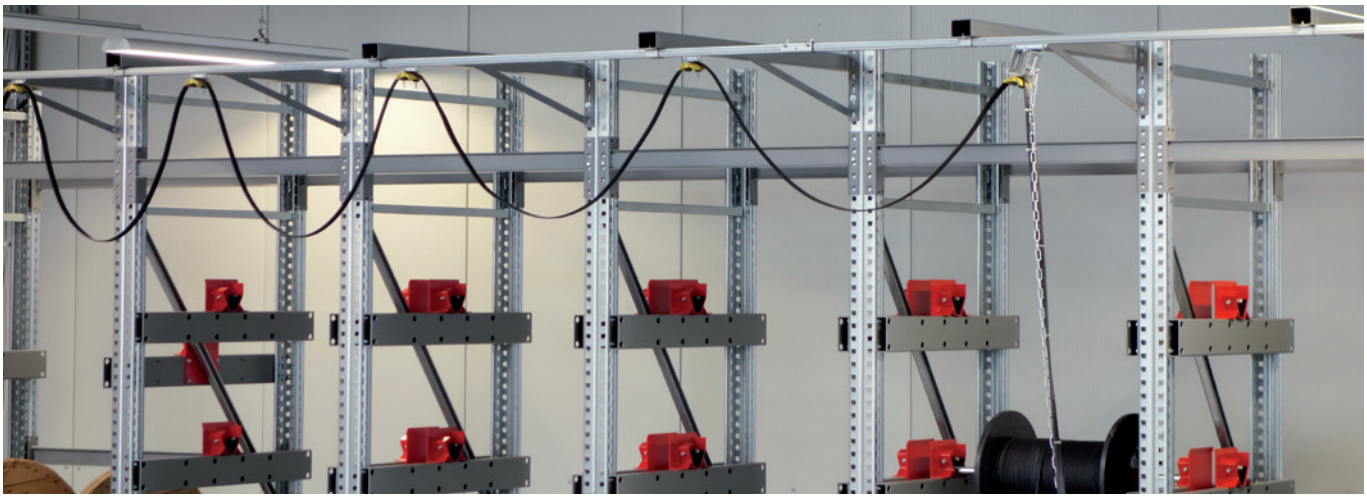


Fig.17 Cable trailing system for rack mounting

- **Cable trailing system with flat cable for rack mounting / ceiling mounting 230V/400V / 16A**

Functionality:

The components of the cable trailing system are made of galvanized steel. The ball-bearing rollers assure smooth and trouble-free running in a special profile rail. The cables are gently clamped by neoprene rubber plates. A specially shaped pressure-reducing piece prevents the cable from getting kinked at the clamping point. The system is mounted on the associated carrying arms on Kabelmat drum rack and unwinding system LAGROL.

Basic equipment:

- U-profile rail with holder for rack mounting
- Cable trolley with clamping device for flat cables
- Buffer for cable carrier left / right
- Discharging terminal
- Stopper
- Terminal box for wall mounting to connect main supply
- Flat cable with plug to supply the machine with power

Indoor use only. Fig.may differ from original.

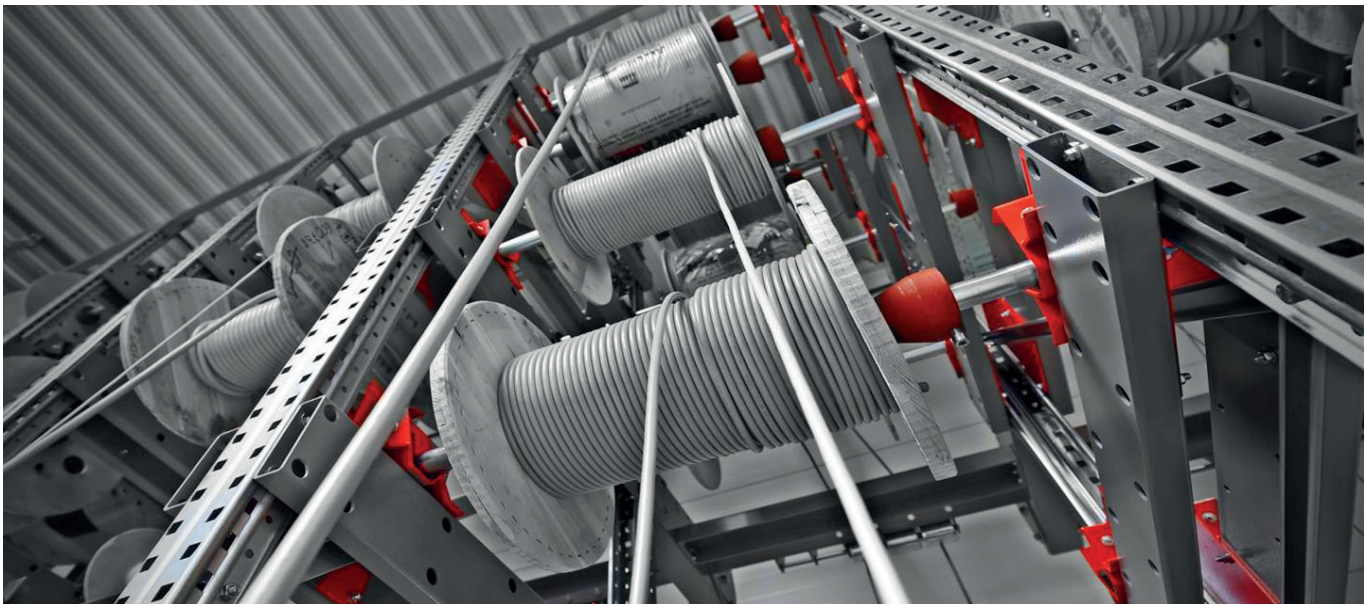


Fig. 18 LAGROL cable drum rack

Heavy-load cable drum rack

Fig. 1 **ABROL** heavy-load cable drum rack combined with **LAGROL** cable drum rack

ABROL

- **Heavy-load cable drum rack and unwinding system for big cable drums up to 5000 kg**

Functionality:

The heavy-load cable drum rack and unwinding system ABROL are designed for feeding material to a Kabelma winding and cutting machine. The system can be used as single feeding system as well as with additional attachable units. The drum is carried by means of a consistent axle which is centered by two cylindric cones. The holders for the axles are equipped with brake linings for a more quiet unwinding from a drum and a reduced run after of the material

Technical data	ABROL
Part No.	**1025.000**
Drum-Ø	400 - 2200 mm
Drum weight	max. 5000 kg
Drum width	max. 1450 mm
Base unit H x W x D	3200 x 2320 x 2140 mm
Extension unit H x W x D	3200 x 2160 x 2140 mm

Indoor use only. Fig.may differ from original.

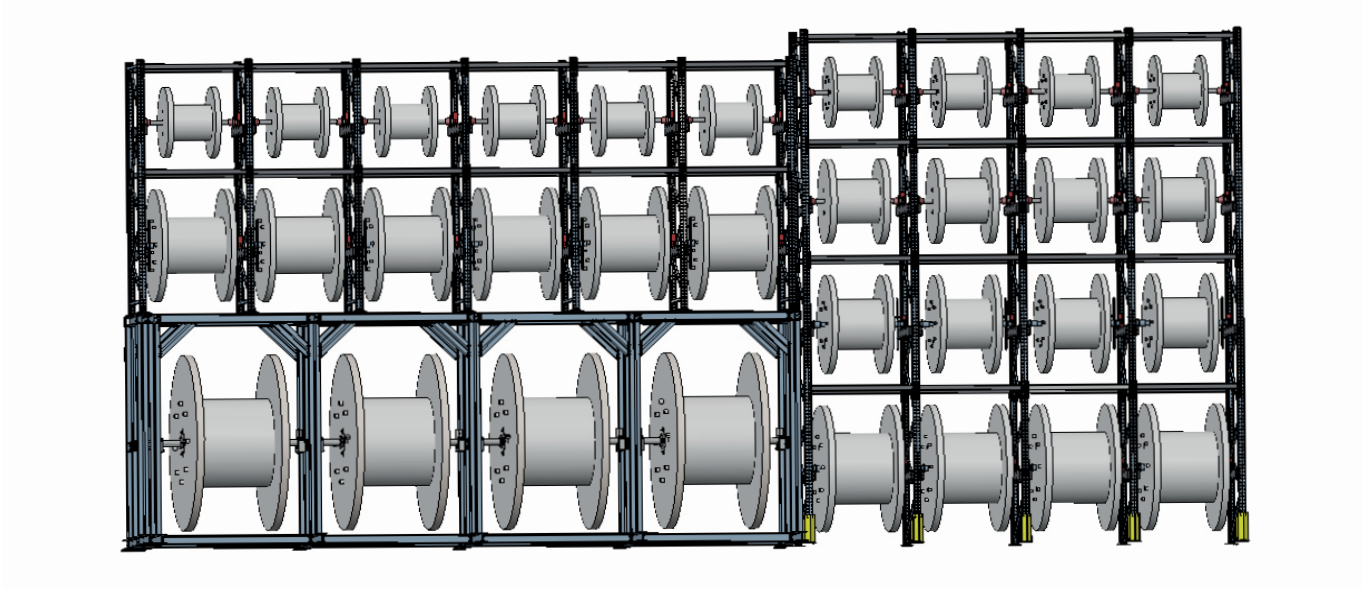


Fig. 2 Model of ABROL heavy-load cable drum rack combined with LAGROL cable drum rack

TROMSTOP

Transport and loading accessory for lifting device

For the transport with a lifting device

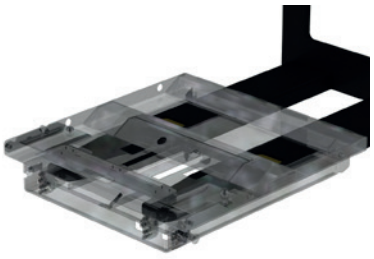


Fig. 1 TROMPSTOP, example of use

Fig. 2 TROMSTOP, loading ramp fold out

Fig. 3 TROMSTOP with drum Ø800 mm (sample)

TROMSTOP

- **Transport and loading tool for transporting cable drums via forkllift truck**

Functionality:

The tines of the lifting equipment are driven in beneath the placement platform.As soon as the tines have reached the end of the platform, a lockingpin closes beneath the platform - the platform is thereby firmly secured.The drums to be transported can now be rolled on via fold-out loading ramps. Predefined centring mechanisms ensure stable mooring of the drums, which corresponds with the load centre of the lifting equipment. Once the drums have been rolled on, the width-adjustable loading ramps are folded in and transportation can begin.

- Time-saving and safe transport of cable drums
- Easy storage and removal of cable drums in and out of a cable drum storage
- Suitable for almost all lifting devices

Technical data	TROMSTOP
Part No.	**87000312**
Drum Ø	400 - 1000 mm
Drum width	max. 710 mm
Drum weight	max. 900 kg
L x W x H	788 x 780 x 135 mm
Weight	approx. 45 kg
Material	zinc galvanised
Lifting equipment requirements (fork tines)	
Fork tine format	open
Fork outside spacing	min. 540 - max. 580 mm
Fork tine height (lowered)	max. 85 mm
Fork tine length	approx. 1150 mm
Fork tine width	170 - 185 mm
Load center distance for drum Ø 710 - 1000 mm (weight max. 900 kg) for drum Ø 400 - 630 mm (weight max. 250 kg)	 approx. 600 mm approx. 890 mm
Tine thickness at the fork tine tip	max. 35 mm
Sheet thickness at the fork tine tip	max. 6 mm

Indoor use only. Fig. may differ from original.

TROMPLAT 1000 / 2500

Transport and loading accessory for cable drums

For the transport with a forklift truck

Fig. 1 TROMPLAT 1000

TROMPLAT 1000 / 2500

- **Transport and loading tool for transporting cable drums via forkllift truck**

Functionality:

This transport and loading accessory consists of two plat forms (extensions) which are put on the forks and fixed by safety bolt. By changing these accessories from the right to the left and vice versa they can either be used for small drums as well as for bigger ones. The drum is simply rolled away on the floor. To avoid that the drum falls out, it must rest in centering position.Perfect for forklifts with hydraulically adjustable forks.

- Time-saving and safe transport of cable drums
- Easy storage and removal of cable drums in and out of a cable drum storage
- CE marking

Technical data	TROMPLAT 1000	TROMPLAT 2500
Part No.	**87000310**	**87000311**
Length	depending on length of the fork tines	depending on length of the fork tines
Loading weight	max. 1000 kg	max. 2500 kg
Weight	60 kg / pair	150 kg / pair
Colour	RAL 7005 mouse grey	RAL 7005 mouse grey

Fig. 2 TROMPLAT 1000 example of storing the drum into a Kabelmat LAGROL rack

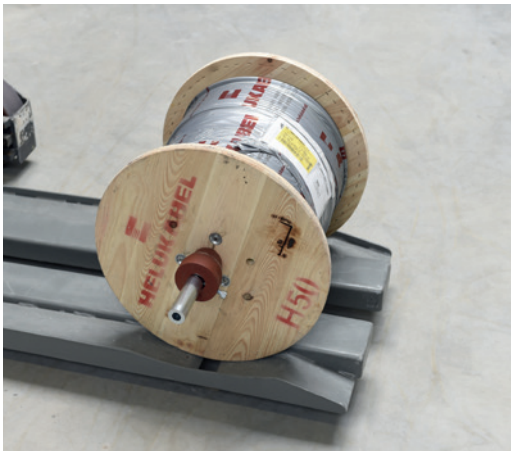


Fig 3 TROMPLAT 1000 example of use

Indoor use only. Fig. may differ from originals.

SPULROLLY

Spool storage and unwinding device

Spool storage device with central material outlet

Fig. 1 SPULROLLY example for arrangement with split pair coils

SPULROLLY

- **Multifunctional spool storage and unwinding device**

Functionality:

Spool storage and unwinding device made of aluminium profiles which accepts different spools. Brake unit consisting of brake disk with adjustable pendulum for opening and closing the rope brake. Tension force of the pendulum is adjustable at the tension spring. The winding axle is made of hardened steel shaft. Through-feed cage with rewind stop.

- Central sampling point for all cables
- Adjustable break mechanism to avoid an uncontrolled material flow
- Space-saving solution
- Double-sided component assembly possible

Technical data	SPULROLLY
Part No.	**1749.000**
Amount of spool units	selectable, pairs of spools are always arranged at the basic opposite
Spool Ø	max. 450 mm
Spool width for bore Ø 25	max. 200 mm
Spool width for bore Ø 65	max. 280 mm
Spool weight	max. 20 kg
Arrangement of the spools	on request

Indoor use only. Fig. may differ from original.
Technical modifications reserved. Status 01/2020

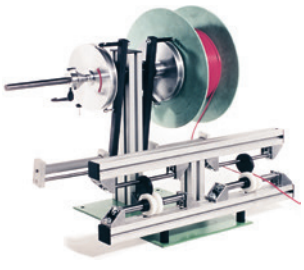


Fig. 2 SPULROLLY single unit

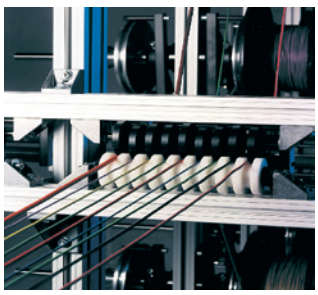


Fig. 3 SPULROLLY return stop

kabelmat easy winding. easy working.

TROMBULLY

Drum storage and unwinding device

Spool storage device with central material outlet

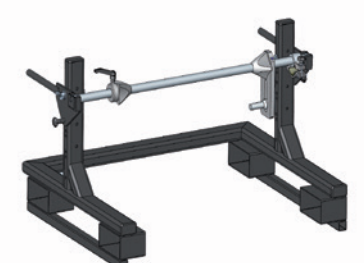


Fig. 1 TROMTRAK 1000 drum storage device

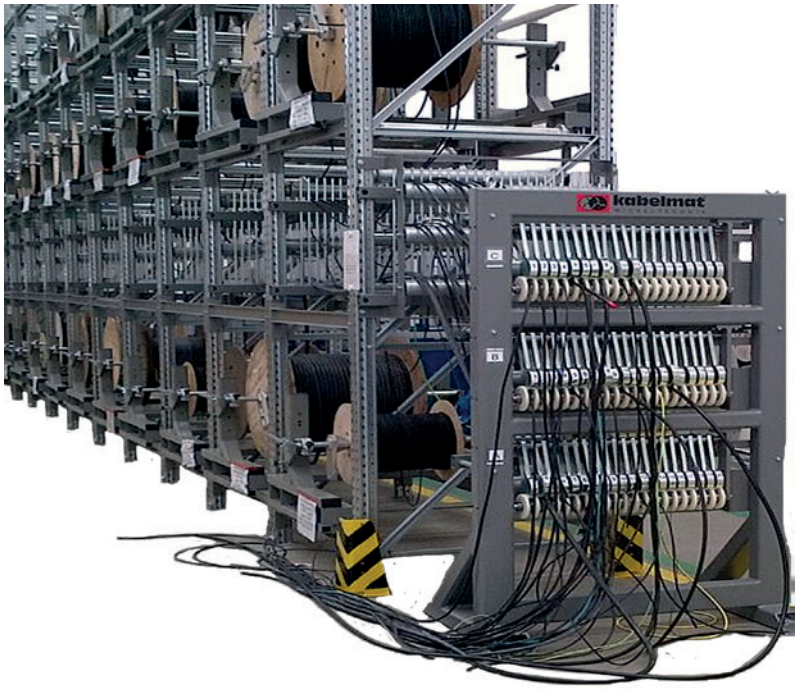


Fig. 2 TROMBULLY with central point of removal and return stop

TROMBULLY

- **Multifunctional drum storage and unwinding device**

Functionality:

The multifunctional TROMBULLY-system is suitable for mechanical pay-off in connection with a motor driven rewind or cutting-to-length machine. It is the ideal system for the manufacturing of cable sets, cable forms or cable looms in the machine construction and pre-assembly area. This system consists of a frame unit, the size of which can be extended individually. In this frame unit the drum storage devices are installed and fixed by means of a lifting device (not included in the scope of supply). The drum storage devices TROMTRAK 1000 are equipped with the drum on the floor. The drums are slid on the axles and fixed by means of a cone and a clamping screw. An adjustable shoe-type brake avoids the follow-up movement of the drum. Once the drum storage device TROMTRAK 1000 is mounted in the frame unit, the material to be coiled is passed through the guides and at the outfeed, is pushed through the outfeed rake which serves as guide and additional return stop.The central cable guiding at the end of the frame unit allows the individual removal of the cables and lines concerned.It is also possible to remove several cables and lines at the same time.

- Central sampling point for all cables
- Adjustable break mechanism to avoid an uncontrolled material flow
- Space-saving solution
- TROMTRAK drum storage devices also usable as single devices
- Double-sided component assembly possible

Fig. 3 TROMTRAK 1000 drum storage device in use

Technical data	TROMBULLY
Part No.	**1075.000**
Amount of drum units	selectable
Drum Ø	max. 1000 mm
Drum width	max. 710 mm
Drum weight per unit	max. 250 kg
Arrangement of the drum units	max. 4 pcs. one upon the other / max. 15 pcs. behind each other
Material Ø	max. 20 mm

Indoor use only. Fig. may differ from original.

OUR PRODUCT RANGE

Get to know the complete Kabelmat product world

Due to the big variety of products, this catalogue is only an excerpt of the Kabelmat product range and does not contain all products.

Take advantage of the chance to find more information in our data sheets and brochures as pdf file. You will find our detailed data sheets for all kabelmat products on our web page **www.kabelmat.com**

When you are interested in our large cable winding lines or in our big variety of accessories and components, then please call us on +49 7443 9670 0 and we will send you the requested product information by mail.

Accessories

The ideal completement to your machine

- **Placement and removal tool** for drums and coils
- **Drive** for drum winders
- **MATIS H/P** cutting devices hydraulic / pneumatic /manual
- **AUTOBIND** binding automat
- **RAPID** coiler heads

You can find the complete overview on our website **www.kabelmat.com** in the **„Download Center".**

kabelmat
easy winding. easy working.

LET‘S GET SOCIAL

Get to know us better and miss no more news.

Follow us on Social Media.

- **Instagram**
- **Facebook**
- **Youtube**

HELUKABEL® GMBH

A leading manufacturer and distributor of cables and wires

Redefining logistics in the cable industry

HELUKABEL® operates one of Europe's largest and most modern distribution centres for cables and wires at its headquarters in Hemmingen, Germany (near Stuttgart). There, a majority of the 33,000 items are stored in a warehouse offering more than 160,000 m² of space.
Through the use of state-of-the-art conveyor and control technology, more than 1,000 orders can be picked and shipped daily to destinations around the world.

Neuenhagen/Berlin is the central warehouse location for underground and medium-voltage cables. Storage capacities of more than 5,000 m² in the warehouse and 50,000 m² outdoors enable fast deliveries to construction and major project sites. The new logistics centre at the Taicang (China) production facility serves as a product distribution hub for Asia and offers great advantages, particularly for handling extensive time- and volume-critical projects.

Facts & Figures

- 40,500 Euro-pallet bays for drums up to 1,500 kg; 16 aisles with 16 storage and retrieval devices
- 36,800 container spaces in the automatic small parts warehouse; Capacity 1,000 containers per hour
- 670 storage spaces in the heavy-load warehouse; reels up to max. 4,000 kg and 2.20 m diameter
- 2 km conveyor line for pallets
- Conveyor system connects directly to the cable-cutting machines

HELUKABEL® GMBH

A leading manufacturer and distributor of cables and wires

kabelmat
easy winding, easy working

A Company of the Corporate Group

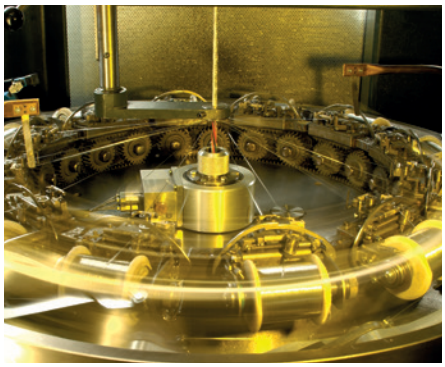
HELUKABEL®

helukabel.com

Cables and wires – Made in Germany

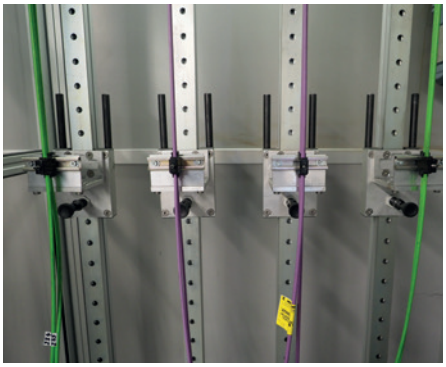
At our two German production sites, HELUKABEL® GmbH manufactures approximately one million kilometres of wire, enough to circle the earth 25 times, using the latest production methods. More than 300 qualified employees specialise in the production of high-quality standard and special-purpose cables. We drive innovation in the fields of automation, data technology, building technology, and renewable energy by using the newest materials, constantly optimising our production methods, and by collaborating with international testing institutes. Since 2014, HELUKABEL® has been manufacturing in Taicang, China, predominantly for the Asian market. As with the German plants, the focus here is also on high-quality, flexible and highly flexible cables and wires.

A crucial stage in the development process of our products is the work performed in our testing centre. For example, cables suitable for drag chain applications can be tested with acceleration of up to 10 G. Temperature ranges from -50°C to +250°C are simulated in a special climate-controlled unit to enable the testing of drag chain cables for series production readiness before they are installed in applications such as refrigerated warehouses or steel mills.



Facts & Figures

- Test facilities for bending and torsion requirements
- Drag chain testing systems
- Fire testing systems
- Abrasion testing systems
- Torsion test-tower for wind turbines
- Aging ovens in accordance with UL, CSA, VDE, HAR, TÜV, CCC



NOTES

NOTES

NOTES

NOTES

NOTES

kabelmat®
easy winding, easy working.

We are your partner in professional winding technology.

Kabelmat Wickeltechnik GmbH
Steinbuckelweg 25
72293 Glatten (GER)
Phone +49 7443 9670 - 0
Fax +49 7443 9670 - 39
kabelmat@kabelmat.com

www.kabelmat.com

SB/Kabelmat-Catalogue-EN/02/2020

Follow us on Social Media.

kabelmat®