

KABELMAT[®] WICKELTECHNIK

We deliver the total solution.



Everyone is talking about efficiency.
KABELMAT® redefines efficiency.

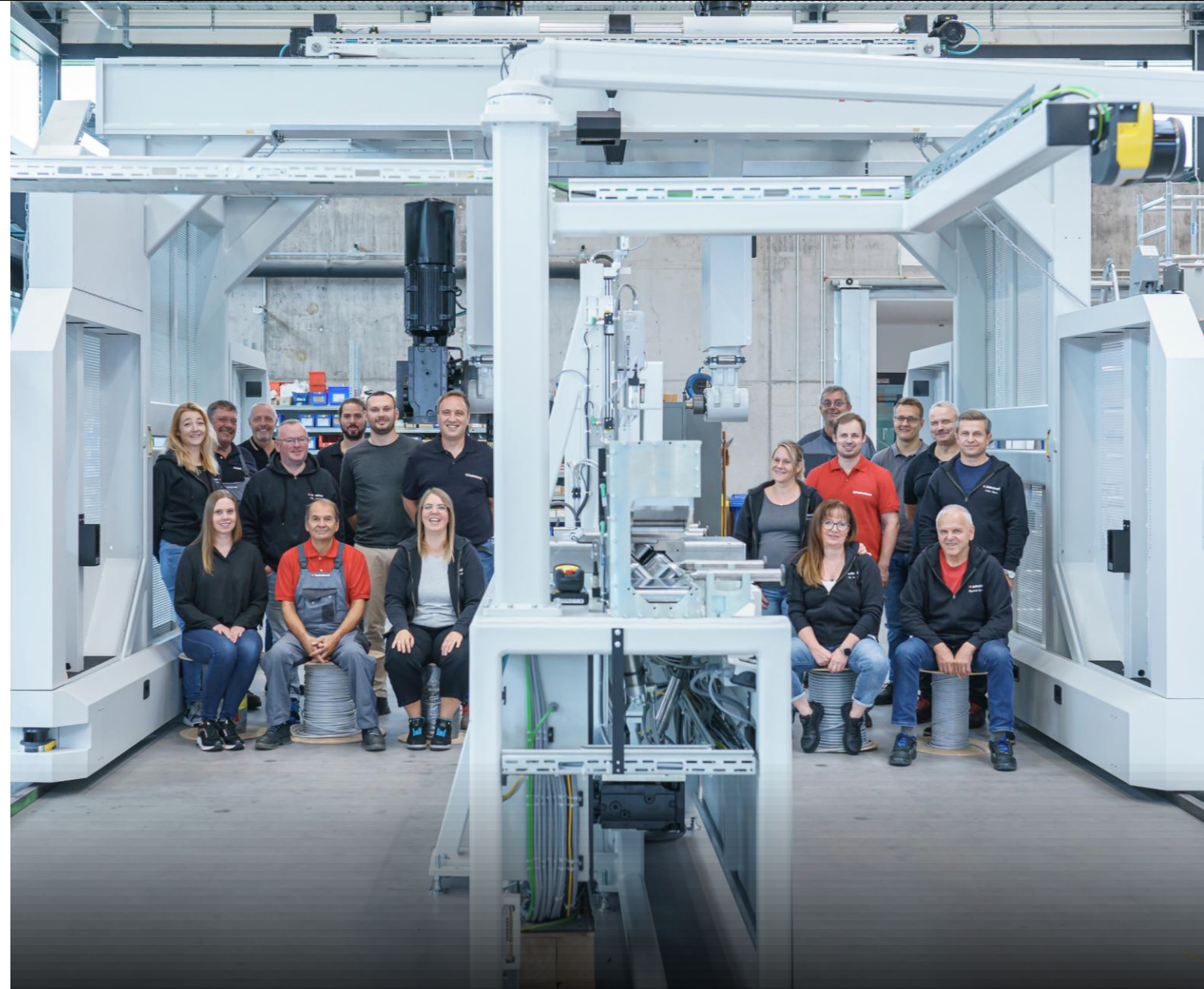
efficiency | noun

"Doing things right."

KABELMAT® solutions deliver
maximum value with minimal effort.

Agenda

- About us
- Our core market segments
- Our unique selling points
- Your benefits
- The problem
- The solution
- References
- Contact



About us

With KABELMAT® solutions for the storage and handling of winding materials such as cables, hoses, steel cables, etc., we deliver a noticeable **boost in productivity.**



Warehouse technology



Manual and machine winding technology



Machine systems and production lines

About us

60+ years of experience
at KABELMAT®

2500+ employees
within the HELU Group

43 countries
within the HELU Group

1.076 Mrd. Euro turnover in 2023
within the HELU Group

PART OF HELU GROUP



Our core market segments

- Construction industry
- Hardware stores
- Wire rope & steel industry
- Electrical engineering & cable assemblers
- Wholesaler
- Pipe and hose manufacturer
- Mechanical and automotive engineering
- Installation companies



Our unique selling points



Wide range of products

From simple winding machines to complex, fully automated systems for a wide range of industries



Specializing in customized solutions

We place particular emphasis on meeting your specific needs through customized solutions



High quality standards, Made in Germany

Thanks to high manufacturing standards and continuous quality control, we guarantee you durable and reliable products



Many years of experience

With over 60 years of experience in winding technology, we have established ourselves as a hidden champion



Global Network

As part of the HELUKABEL Group, you benefit from a global sales and service network



Your benefits

1 Efficiency enhancement

The amount of manual work is significantly reduced. Increased automation saves time and speeds up production processes

2 Cost reduction

The systems ensure minimal waste and scrap, cost-effective single-person operation, and reduced maintenance and repair costs

3 Quality Improvement

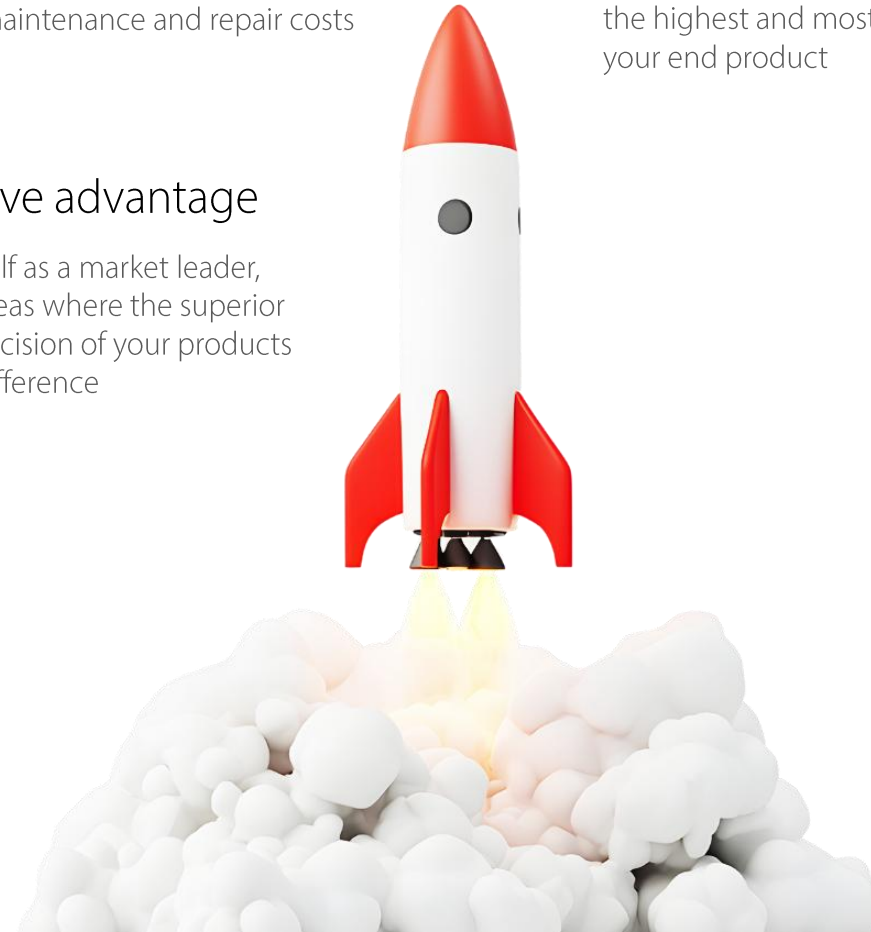
We comply with the strict requirements of European legislation, thereby guaranteeing the highest and most consistent quality for your end product

4 Employee well-being

Thanks to the ergonomic design and ease of use of our systems, work becomes more comfortable and less tedious

5 Competitive advantage

Position yourself as a market leader, especially in areas where the superior quality and precision of your products make all the difference



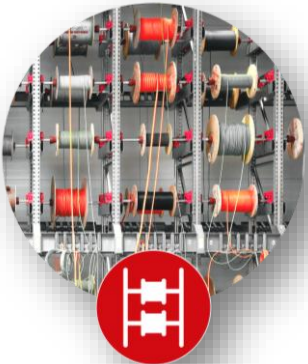
The problem

Before KABELMAT® came along



The solution

Out with the chaos, in with the order - with KABELMAT®



STORAGE



TRANSPORT



UNWINDING



LENGTH
MEASUREMENT



CUTTING



WINDING



BIND & PACK

Our Value Creation Processes

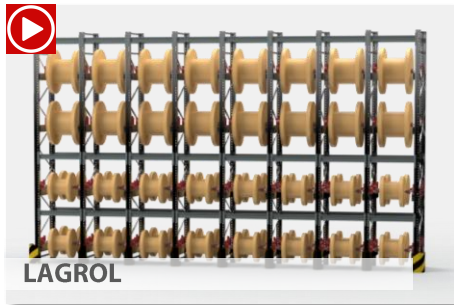
The solution

WAREHOUSE TECHNOLOGY

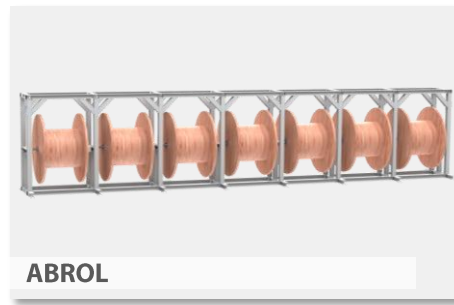
The solution

More info

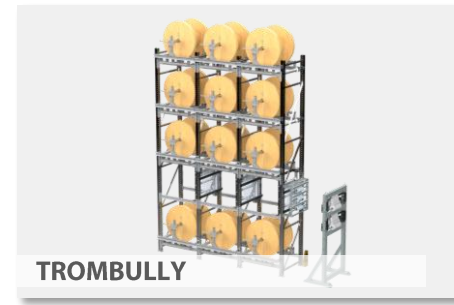
Warehouse technology



Stationary reel storage and unwinding system



Stationary heavy-duty reel storage and unwinding system



Stationary reel take-off unit with central take-off point



Stationary or mobile reel storage and unwinding system



Stationary spool run-off unit with central take-off point



Mobile storage and unwinding system for spools



Mobile storage and unwinding system for rings

Storage

Transport

Unwinding

Length measurement

Cutting

Winding

Bind & pack

The solution

Accessories for warehouse technology

Cable reel placement tools

[More info](#)



Tool for transporting reels with a forklift truck



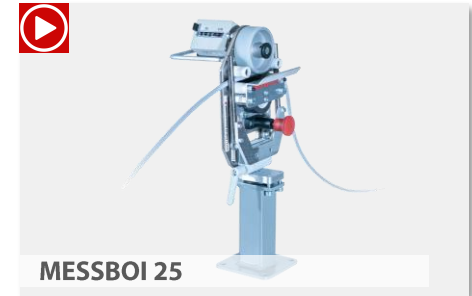
Tool for transporting reels with a high lift stackers

Length measuring devices

[More info](#)



Length measuring device for winding materials with a max. outer Ø of 15 mm



Length measuring device for winding materials with a max. outer Ø of 25 mm

Storage

Transport

Unwinding

Length measurement

Cutting

Winding

Bind & pack

The solution

LENGTH MEASURING SYSTEMS

The solution

More info

Length measuring devices



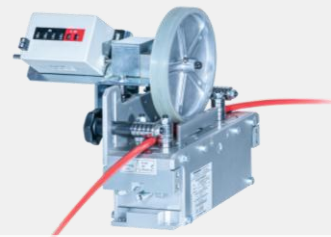
MESSBOI 10

Mechanical length measuring device for materials with a max. outer Ø of 15 mm



MESSBOI 25

Mechanical length measuring device for materials with a max. outer Ø of 25 mm



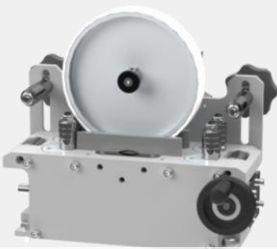
MESSBOI 40 BAE

Mechanical length measuring device for materials with a max. outer Ø of 40 mm



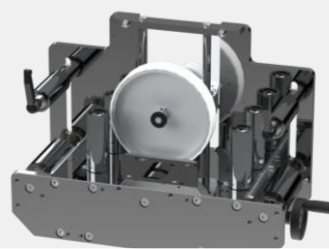
MESSBOI 40 B LC / LC-MID

Digital belt length measuring device for materials with a max. outer Ø 40 mm



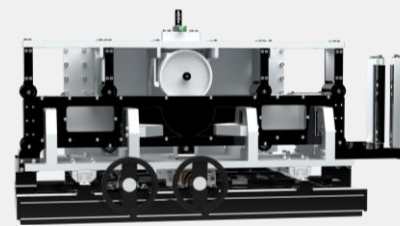
MESSBOI 40 LC / LC-MID

Digital length measuring device for materials with a max. outer Ø of 40 mm



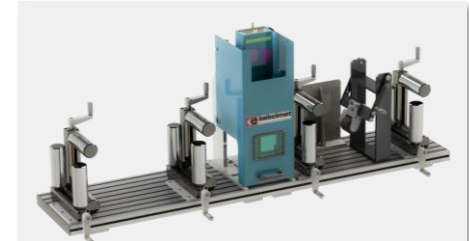
MESSBOI 80 LC / LC-MID

Digital length measuring device for materials with a max. outer Ø of 80 mm



MESSBOI 100 LC / LC-MID

Digital length measuring device for materials with a max. outer Ø of 100 mm



MESSBOI 100 Laser

Laser length measuring device for materials with a max. outer Ø of 100 mm

Storage

Transport

Unwinding

Length measurement

Cutting

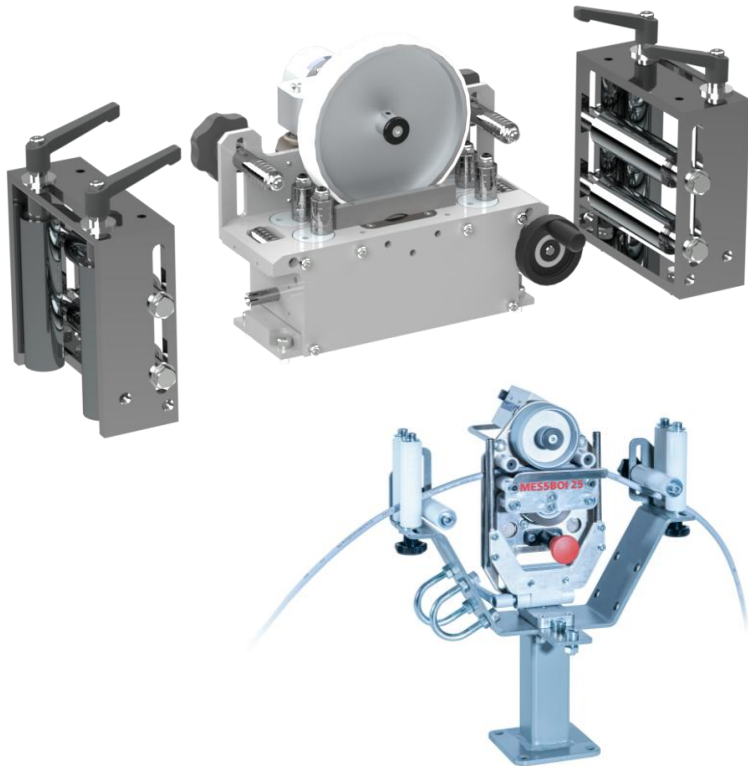
Winding

Bind & pack

The solution

Conformity assessment

[More info](#)



Companies that sell unprocessed cables to third parties must measure them using length-measuring devices that comply with the EU Measuring Instruments Directive. “Unprocessed” means that no assembly, customization, or processing steps - such as attaching plugs or ferrules - have been carried out. There are two modules:

Digital length measuring devices (Module F):

- Conformity assessment in accordance with Directive 2014/32/EU by the German calibration authority.
- Valid for 2 years in EU and EFTA member states, assessment at the Kabelmat factory.
- Re-assessment required after 2 years (not included in delivery; responsible: regional calibration office).
- Required if the customer is not present during cutting.
- Obligation: Storage and documentation of cutting data.

Mechanical length measuring devices (Module F1):

- Conformity assessment in accordance with Directive 2014/32/EU by the German calibration authority.
- Valid indefinitely in EU and EFTA member states, assessment at the Kabelmat factory.
- No re-assessment required, maintenance recommended.
- Permitted only if the customer is present during cutting.
- No obligation to store/document the cutting data.

Storage

Transport

Unwinding

Length measurement

Cutting

Winding

Bind & pack

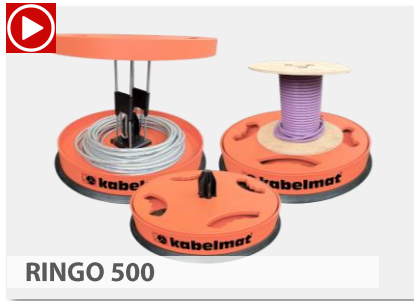
The solution

MANUAL WINDING TECHNOLOGY

The solution

More info

Manual ring, spool and reel **unwinders**



Unwinder for reels and rings with a max. outer Ø of 500 mm



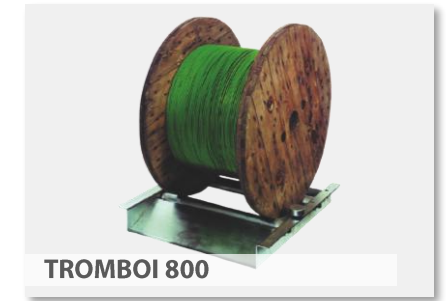
Unwinder for ring Ø max. 790 mm or spool Ø max. 470 mm



Unwinder for rings and spools with an adjustable brake



Drum unwinder for reel Ø from 150 to 700 mm



Reel unwinder for reel Ø from 400 to 1000 mm



Reel unwinder for reel Ø from 500 to 1800 mm



Reel unwinder for reel Ø of 710-1000 or 900-1400 mm



Heavy-duty reel unwinder for reel Ø of 900-2000 mm



Reel unwinder for manual and machine unwinding



Drum winder and transport trolley

Storage

Transport

Unwinding

Length measurement

Cutting

Winding

Bind & pack

The solution

[More info](#)

Manual ring, spool and reel **winders**



Table-top or standing winder for rings and spools with a max. outer Ø of 450 or 1000 mm



Winder for rings and spools with a max. outer Ø of 450 mm



Winder for rings and spools with a max. outer Ø of 670 or 1000 mm



Winder for rings and spools with a max. outer Ø of 500 mm, optionally battery-powered

Storage

Transport

Unwinding

Length measurement

Cutting

Winding

Bind & pack

The solution

MACHINE WINDING TECHNOLOGY

The solution

[More info](#)

Ring and reel winder



Winding machine for rings and spools with max. outer Ø of 500 mm



Winding machine for rings and spools with a max. outer Ø of 800 mm. A smart entry-level model with a cost-optimized design



Winding machine for rings and reels with a max. outer Ø of 800 mm



Winding machine for rings and reels with a max. outer Ø of 1000 mm

Storage

Transport

Unwinding

Length measurement

Cutting

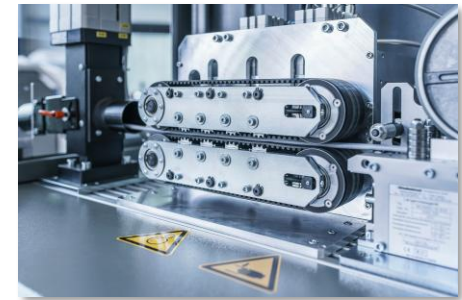
Winding

Bind & pack

The solution

[More info](#)

Length cutting machine



The length cutting machine places pre-cut winding materials in a pot or throws them out directly. Ideal for multiple cuts and short lengths. The powerful feed mechanism makes it possible to pull material directly from a unwinding system, such as a reel rack

Storage

Transport

Unwinding

Length measurement

Cutting

Winding

Bind & pack

The solution

[More info](#)

Ring winder / Tube winder

Fully automatic



Fully automatic ring winder for max. outer ring Ø of 300 mm



Fully automatic ring winder for max. outer ring Ø of 400 or 560 mm. Also available as a semi-automatic machine for winding onto spools



Horizontal, fully automatic ring winder for max. outer ring Ø of 1200 mm

Semi-automatic



Semi-automatic ring winder for max. outer ring Ø of 600 mm



Semi-automatic ring winder for max. outer ring Ø of 800 mm

The RINGROL 450/560 and RINGROL 1200 can also be used to wind plastic pipes and plastic-metal composite pipes

Storage

Transport

Unwinding

Length measurement

Cutting

Winding

Bind & pack

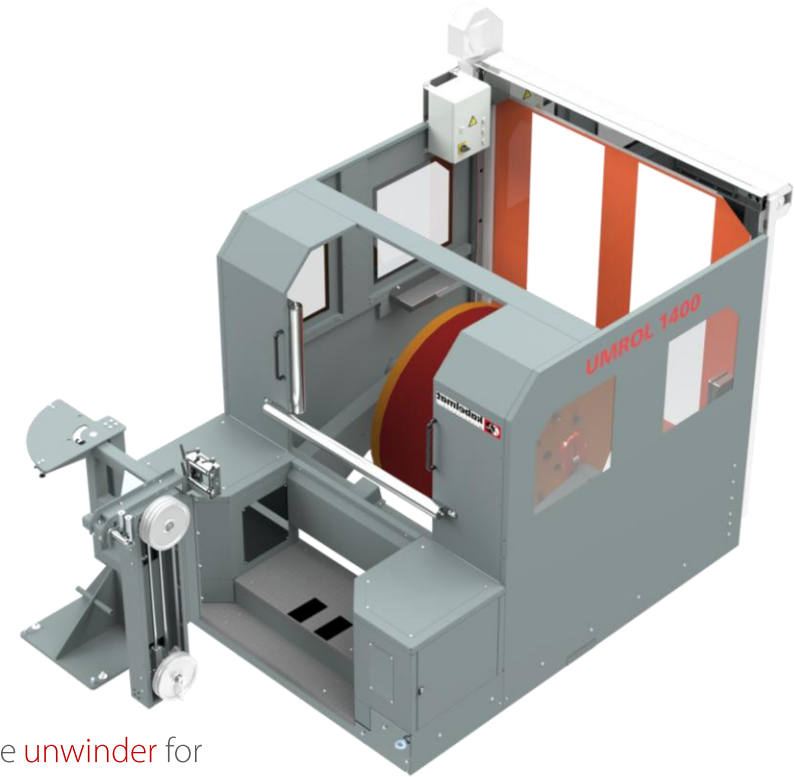
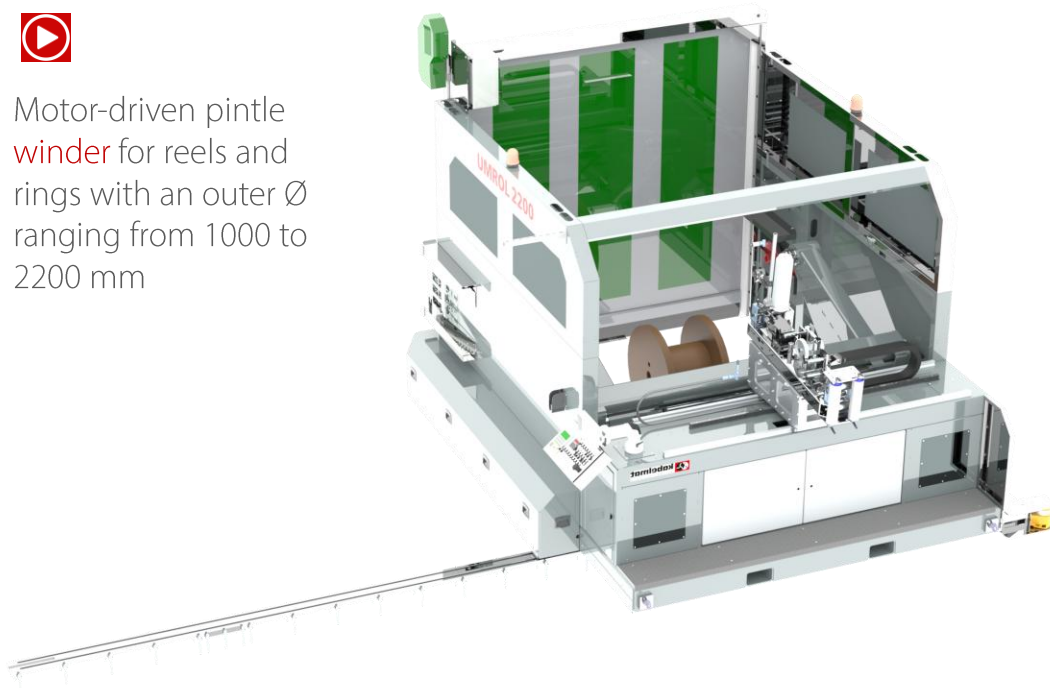
The solution

[More info](#)

UMROL Series – Pintle winders and unwinders for rings and reels



Motor-driven pintle **winder** for reels and rings with an outer Ø ranging from 1000 to 2200 mm



Motor-driven pintle **unwinder** for reels with an outer Ø ranging from 1000 to 2200 mm

Storage

Transport

Unwinding

Length measurement

Cutting

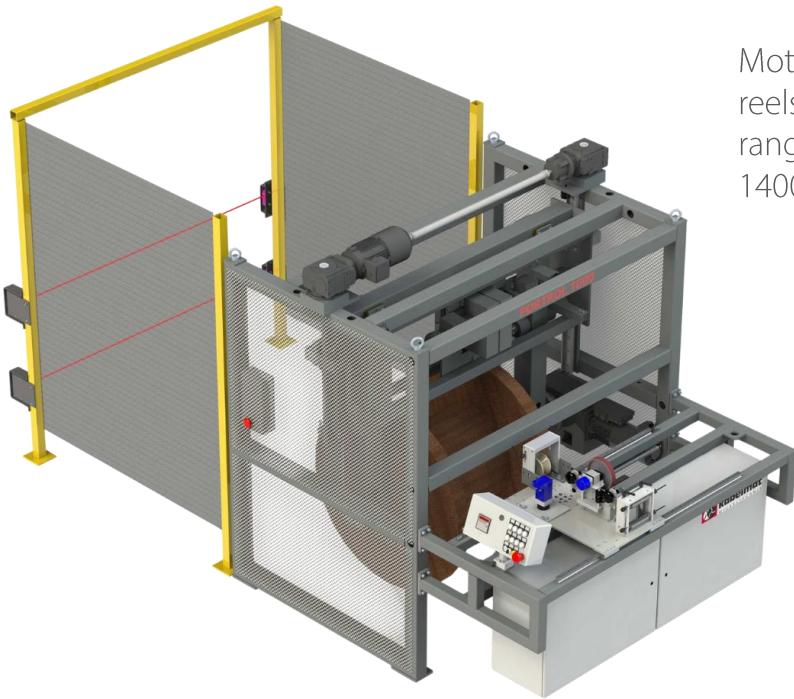
Winding

Bind & pack

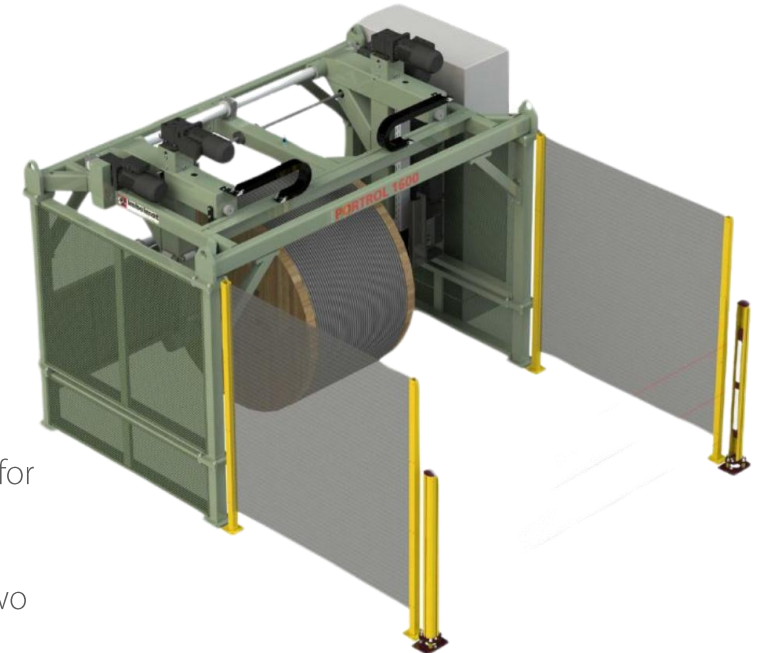
The solution

[More info](#)

PORTROL Series – Pintle winders and unwinders for heavy-duty reels



Motor-driven pintle **winder** for reels and rings with an outer Ø ranging from 1000 to a max. of 1400 mm.



Motor-driven pintle **unwinder** for reels with an outer Ø ranging from 1000 to 3000 mm. With these unwinder models, the two pintle arms can be controlled independently of one another.

! The PORTROL series is designed for heavy-duty reels.

Storage

Transport

Unwinding

Length measurement

Cutting

Winding

Bind & pack

The solution

[More info](#)

Reel unwinder



TROMPIN 800 / 1250

Motorized unwinder for reels and spools with max. outer Ø of 800 or 1250 mm



TROMTRAK 1250 MOT

Motorized unwinder for reels with max. outer Ø of 1250 mm



TROMTRAK 1600

Electrohydraulic unwinder for reels with max. outer Ø of 1600 mm



TROMROL 2500

Electrohydraulic unwinder with shaft and disc brake for reels weighing up to 5000 kg

Storage

Transport

Unwinding

Length measurement

Cutting

Winding

Bind & pack

The solution

MACHINE SYSTEMS AND PRODUCTION LINES

The solution

Production line with winding machine and manual unwinder



A simple winding line consisting of the MOTROL 800 as the winding machine and the TROMTRAK 1600 as the manual unwinder. Suitable for winding smaller reels and rings

Storage

Transport

Unwinding

Length measurement

Cutting

Winding

Bind & pack

The solution

More info

Production line with winding machine and unwinding machine



This production line also features a winder and unwinder, but operates on a completely different scale and is characterized by significantly greater complexity. Suitable for winding large reels and rings

Storage

Transport

Unwinding

Length measurement

Cutting

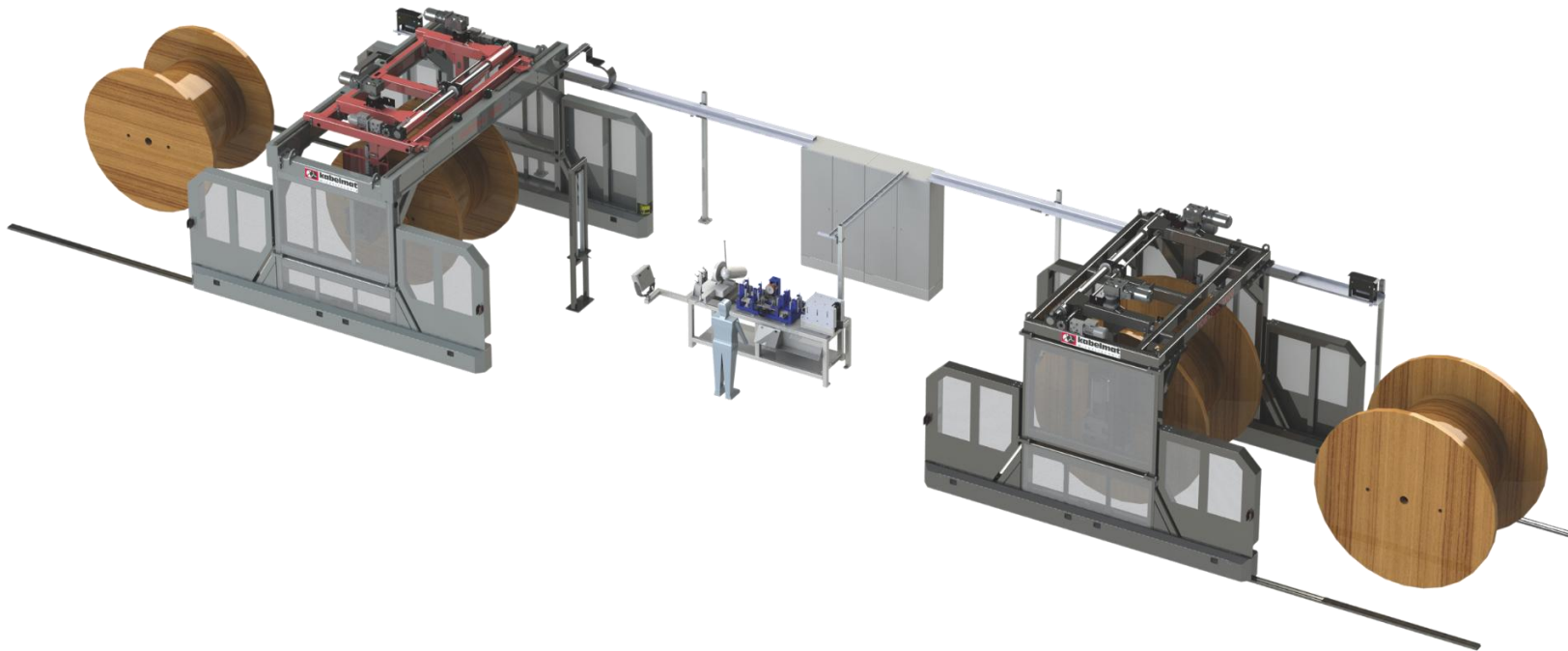
Winding

Bind & pack

The solution

[More info](#)

PORTROL - Winding line for big-sized reels



Heavy-duty winding line for cutting and winding materials used for high-power transmission, as well as for data transmission in copper and fiber-optic applications. Ideal for use with large-diameter reels and long cut lengths

Storage

Transport

Unwinding

Length measurement

Cutting

Winding

Bind & pack

The solution

[More info](#)

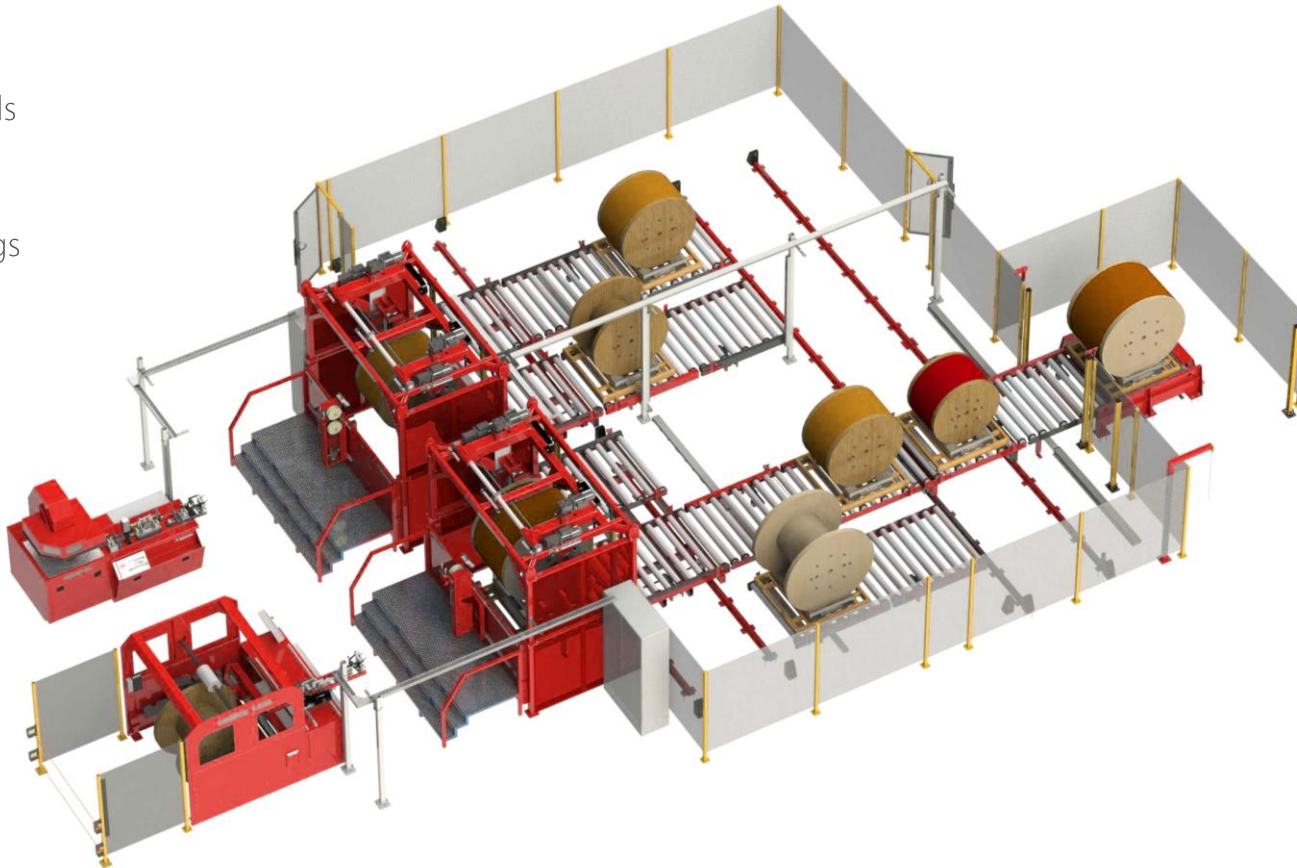
AUTOLOG - Winding line with automatic reel pick-up



Reels



Rings



The AUTOLOG winding line with automatic reel handling allows you to unwind the desired lengths from the supply reel, wind them onto the destination reel, measure them, and cut them - all fully automatically. Thanks to its integration with a fully automated warehouse, even transporting the reel to the cutting machine is hassle-free

Storage

Transport

Unwinding

Length measurement

Cutting

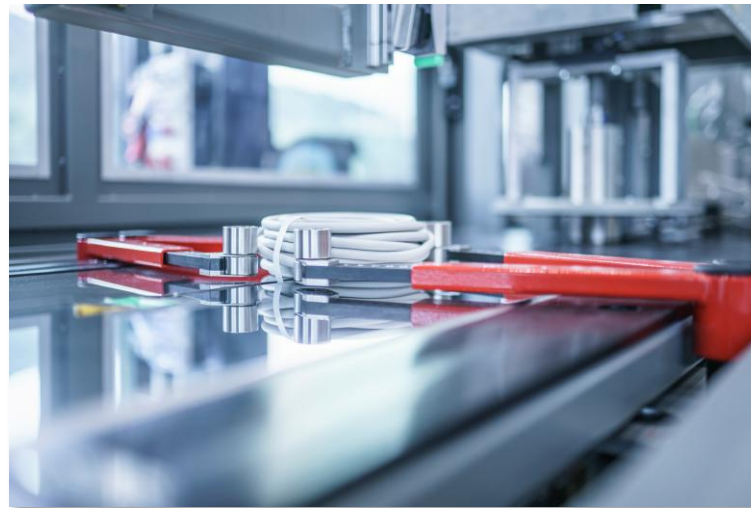
Winding

Bind & pack

The solution

More info

Ring winder and binding line



Fully automatic line with reel unwinder, storage, length measuring device, cutter unit, coiling and winding machine. Different rings can be wound into different thicknesses fully automatically, cut and tied twice through the eye with polypropylene strapping or alternatively with elastomer cord

Storage

Transport

Unwinding

Length measurement

Cutting

Winding

Bind & pack

The solution

[More info](#)

Cable reel storage and unwinding system with winding machines



This production line stands out thanks to its combination of an efficient cable storage system and an automatic winding machine. This enables unwinding, length measurement, and cutting directly from the stored reel, thereby saving time, storage space, and labor costs

Storage

Transport

Unwinding

Length measurement

Cutting

Winding

Bind & pack

The solution

Product videos on YouTube

KABELMAT MediaCenter

You can find numerous KABELMAT
product videos on our YouTube channel



References

FEGA & SCHMITT
ELEKTROGROSSHANDEL

AAC
KABELBEARBEITUNGSSYSTEME

gaerner
das machen wir. persönlich.

GISMA
STECKVERBINDER
GMBH

 **HELUKABEL**[®]

KABLAN
die liefern. AG

 **KLOTZ**
interfaces

 **PHOENIX
CONTACT**

 **zajadacz**
Ideen gehören zum Sortiment.

 **TIM**

Unielektro


Friesland Kabel
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 **R&M**

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