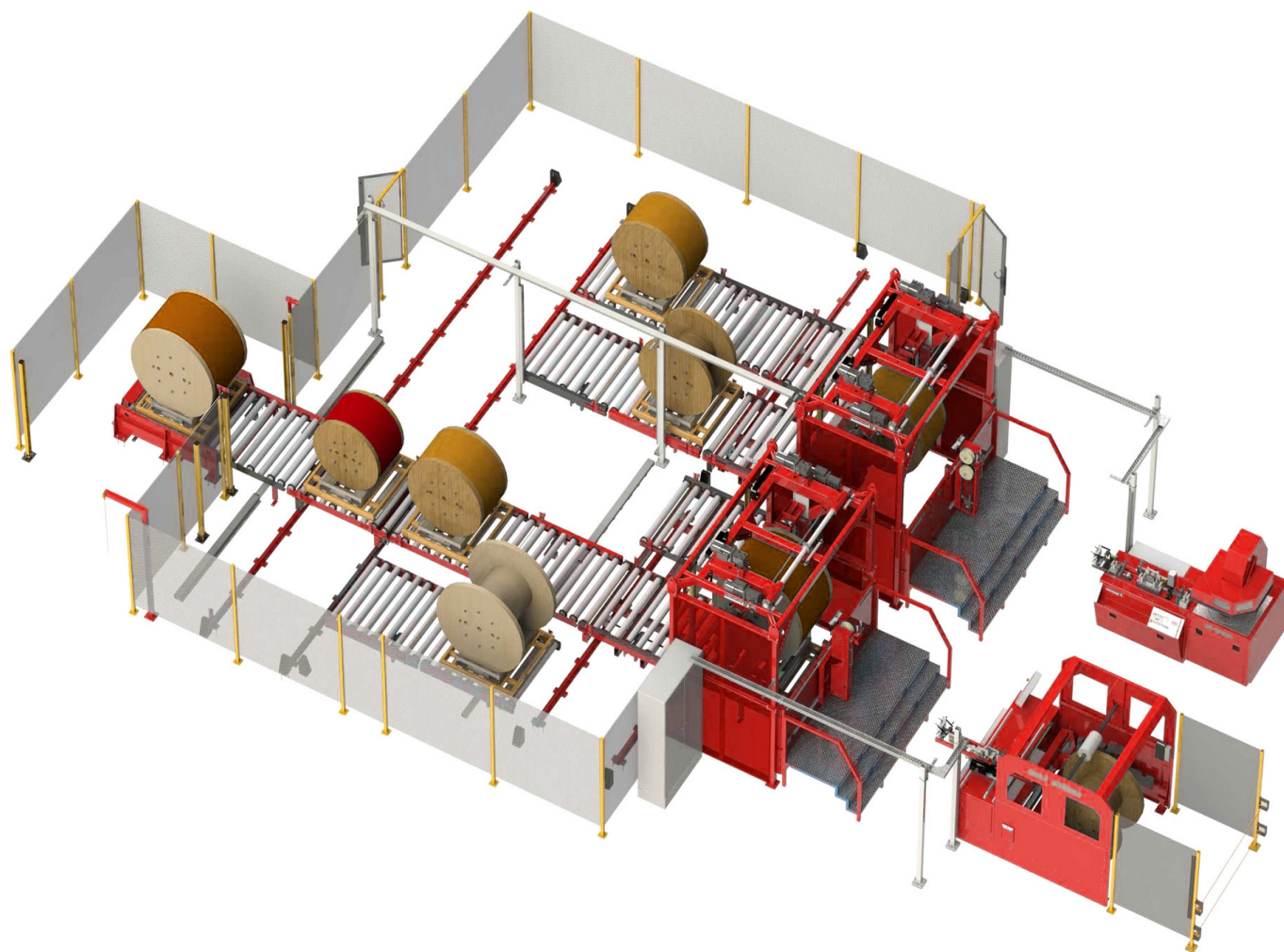


# AUTOLOG

Powerful all-in-one solution

Cutting-to-length made easy



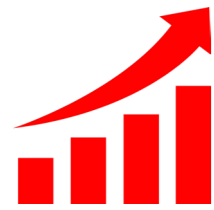
**DO YOU ALREADY KNOW THE AUTOLOG SYSTEM AND ITS ADVANTAGES ?**



# AUTOLOG

## SMART OVERALL CONCEPT

**Cut length of material**  
up to  
**7.200.000 metres**  
That equates to the distance from  
Black Forest, Germany to Alaska



### Software

optimum data flow  
of data between  
warehouse manage-  
ment and machine

LINE 1

LINE 2



### Speed

max.  
250 m /min

## THE SYSTEM: DRUM TO MACHINE

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.

## COMBINED RING AND DRUM WINDING LINE WITH CONVEYOR TECHNOLOGY

LINE 1: PORTROL 1600 - ACUMATIC 240 - RINGROL 800  
LINE 1: PORTROL 1600 - ACUMATIC 240 - UMROL 1400

# 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

# HIGHLIGHTS



Conveyance path between shelf and winding machine

### Material flow clearly structured

#### Focus: Complexity of the environment

When attempting to achieve an ideal layout, particular attention is paid to creating defined work spaces for the operator in

addition to a clearly structured material flow in order to ensure a high degree of safety at the work station.



Frictionally engaged drum pick-up

### Automatic drum pick-up

#### Principle: As Easy As Possible

The incoming cable drums are measured automatically by a light control system. Afterwards, the two drum arms on the unwinder move

to the appropriate uptake height and take up the original drum automatically.



Cable accumulator for smooth regulation of tensile force

### Clear winding pattern at high speed

#### Fact: Perfect laying pattern

The winder and unwinder are regulated in such a way that the cable always moves at the same speed, even at a high tempo. Synchronised drives ensure that the winding process is

significantly quicker and material-friendly at the same time. During the process, a built-in cable accumulator acts as a buffer between the winder and unwinder in order to keep tensile forces low. This prevents cable damage from occurring.

**We are your partner in professional winding technology.**

Specific types and lengths of cable and lines are usually required at short notice. Automation is becoming an increasingly important topic across almost all industries. Quality, productivity, availability and safety play a key role in this regard.

In order to meet increasing requirements, Kabelmat is called on to act as a system partner in order to meet the growing requirements, offering you comprehensive solutions from a single source.

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