

## Winches for Fire and Rescue Services

ROTZLER - the best choice

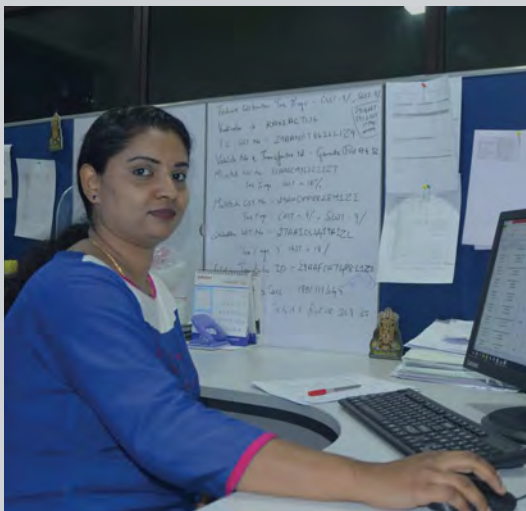
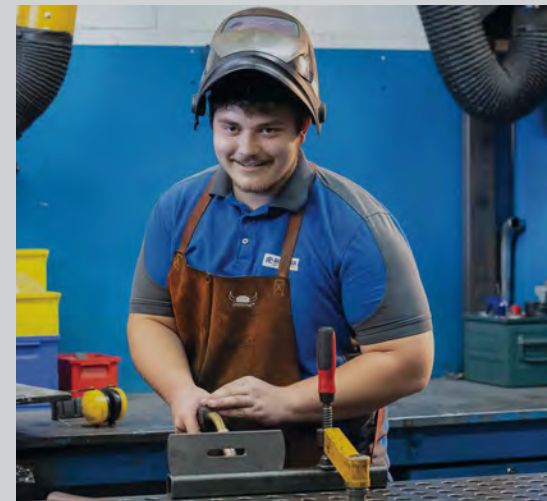
# Content

1. Who we are	03
2. Fire and rescue services	05
2.1 Rescue vehicles and auxiliary pumpers	06
2.2 Hooklift trucks and customized fire trucks	08
2.3 Fire cranes	10
2.4 Aerial ladders	12
2.5 Services	14



For 100 years, ROTZLER has stood for reliable hoisting and pulling winch technology. Competent, resolute, and innovative.





# ROTZLER – a 100-Year Success Story

## ROTZLER – synonymous for groundbreaking winch technology

For 100 years, ROTZLER has stood for groundbreaking hoisting and pulling winch technology that customers can rely on even under the most difficult conditions. To keep this promise, our developers and engineers test the reliability of our products, in our unique test center in Steinen, Germany. Operators from around the world rely on ROTZLER's winches and individual system solutions when dependability is crucial, whether for recovery and rescue services, the construction industry, defense technology, the marine industry, or drilling equipment.

Learn all about who we are, what we do, and how we do it. And discover why our partnership with our clients is always our number one priority.

## Leader in innovation: our mission for over 100 years

In 1919, Ernst Rotzler started a smithy in Steinen that shod horses and repaired agricultural machinery. From the very start, our company founder listened closely to his clients – and developed to meet their requirements. He optimized their hay elevators and manure cranes and shifted his focus to developing and manufacturing reliable rope winch technology.

Our motivation comes from the desire to optimally satisfy customer needs, and that continues to be the inspiration for our leading technology.

## Winches and system solutions

Today, ROTZLER is a leader in hydraulic winches and system solutions for mobile applications. As an independent, owner-managed company, we stand for the values that are typical of the small business sector. Customer care, reliability, trustworthiness, and an innovative spirit.



A red fire truck is shown at night with its emergency lights flashing. The truck is a Mercedes-Benz T2 transporter, as indicated by the logo on the front grille. The word 'FEUERWEHR' is written on the front of the truck. The truck is parked on a gravel surface, and there is a mist or smoke effect at the bottom of the image. The text 'FIRE AND RESCUE SERVICES' is overlaid in large, white, bold letters across the center of the image. The truck has a 'VARUS' logo on the side and a 'Schlingmann' logo on the front. The background is dark, suggesting a night scene.

# FIRE AND RESCUE SERVICES



# Rescue vehicles and auxiliary pumpers

Most fire departments rely on our TREIBMATIC for safe recovery after accidents. It has proven its value many times as a rescue tool for technical assistance on fire and rescue trucks. The TREIBMATIC perfectly meets the requirements for recovery, rescue and securing of casualties.

It is based on the capstan principle. A single layer operation ensures major advantages compared to conventional drum winches. Constant pulling force and rope speed over the entire rope length is providing outstanding performance. The integrated digital control system, monitoring the winch at all times and ensuring a proper function, provides security the operator can rely on, so that he can focus on the job at hand. And that is what counts at the end of the day.

## Rescue Vehicles

The rescue vehicle is the vehicle type with the most extensive equipment for technical assistance at the fire brigades. A mechanical towing device is requested for this standard vehicle. It must have a minimum pulling force of 50 kN. Alternatively, a winch with a pulling force of 80 kN can be installed. ROTZLER offers the perfect solution for this: the TREIBMATIC. The standard solution for rescue vehicles is the TREIBMATIC type TR 030 with 50 kN line pull. The TREIBMATIC type TR 080 is available for the increased pulling force of 80 kN. Both winches can be flexibly integrated into the chassis frame of the rescue vehicle. The standard installation is executed with pull to the front. Optionally, however, there are also installation variants with a single pull to the front and double pull to the rear. This increase in available pulling force significantly expands the range of applications of the rescue vehicle and can be implemented for both winch sizes.

## Auxiliary pumpers

Auxiliary pumpers are the most versatile vehicle types in the fire brigade. They are designed for both firefighting and technical assistance. TREIBMATIC winches are used to ideally complement the range of applications for technical assistance. At these vehicles, we also have solutions for a single pull to the front as well as for double pull to the rear. Both solutions are installed with 50 kN and 80 kN as standard.

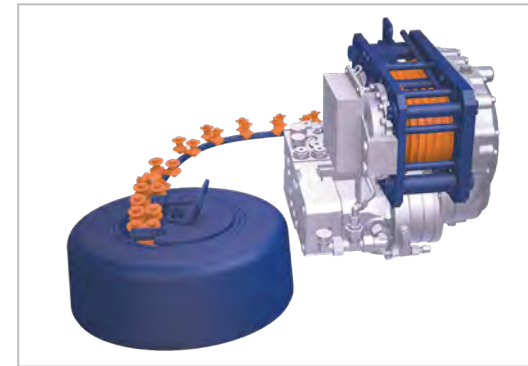
## Vehicle integration benefits

The TREIBMATIC offers unbeatable benefits for the vehicle manufacturer compared to conventional drum winches. It provides greatest possible flexibility when installing the winch into the vehicle's frame. There are essentially two reasons for this:

The TREIBMATIC winch body that generates the pulling force, is separated from the rope storage. This enables flexible positioning of both components, which is very helpful when balancing the vehicle weight and identifying the best spot to place the winch.

The rope always exits the winch at the same point. It does not require any spooling distance, the rope can be deflected directly after the exit. The rope course can thus be optimally selected.

## Deployed winches



TREIBMATIC pulling winch





# Hooklift trucks and customized fire trucks

## Hooklift trucks

Hooklifts are real miracles of flexibility. By changing the structure, a basic vehicle can take on several tasks. This type of vehicle relies on a hook lift system and various swap bodies and containers. Instead of several special vehicles, the same range of applications can be covered with one carrier vehicle and various superstructures. By installing a winch in this type of vehicle, the range of applications is maximized. The hooklift mechanism does not allow the winch to be built into the vehicle frame. Therefore, ROTZLER offers the installation of the TREIBMATIC on the side of the frame. We position the winch and the storage drum according to the available installation space. Thanks to the independent, flexible positioning of winch and storage drum, the impossible can sometimes be made possible. The TREIBMATIC type TR 080 with 80 kN pulling force is normally used.

## Customized fire trucks

The installation of a winch can also be of great benefit for special vehicles such as forest fire fighting vehicles. The basic principle applies here, too: no matter how tight the installation space is, the TREIBMATIC also offers options for integration in special vehicles.

Ask us - together we will find a solution!





## Knuckle boom crane with hoisting winch

Quite frequently, both hooklift trucks and customized fire trucks are equipped with a knuckle boom crane. As a great add on to this knuckle boom crane, we are offering a perfect hoisting winch solution - the ROTZLER TITAN. This winch is characterized by its reliability and the compact design, which is second to none.

The TITAN fits perfectly under the arm of the knuckle boom crane, without any interfering edges, for example, due to a protruding motor. The compact design allows the winch to be positioned under the articulated arm without any problems. Adding a winch is expanding the reach and flexibility of your knuckle boom crane massively. The multitude of available options allow to perfectly match your TITAN to the knuckle boom crane. The low weight of the winch allows easy handling and reduces the impact on overall weight.

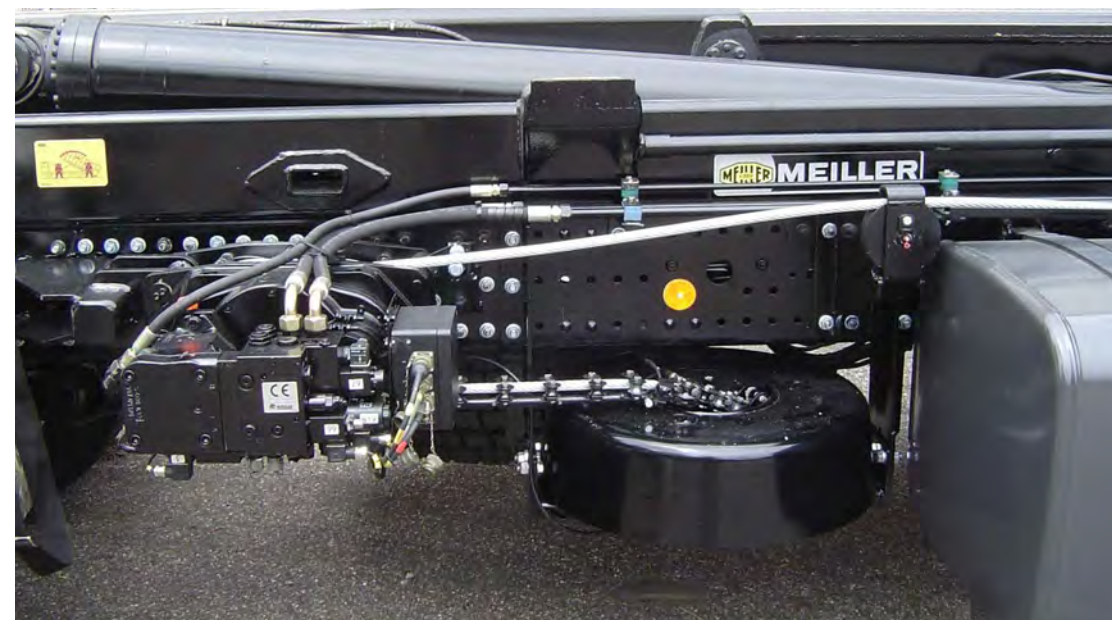
### Deployed winches



TREIBMATIC pulling winch



TITAN hoisting winch





# Fire Cranes

Fire cranes are used as technical assistance for heavy loads. They are the largest fire vehicles. Here, too, the TREIBMATIC ensures having sufficient pulling force. Classic areas of application are lifting and righting fallen loads, securing vehicles at risk of falling, e.g. on bridges, but also recovering defective vehicles.

Either TREIBMATIC type TR 080 with 80 kN pulling force or type TR 200 with 200 kN pulling force are used. In addition to all the well-known advantages of the TREIBMATIC, it is impressive when installed in the rear of the crane vehicle. The compact devices used in this case are quite small in relation to the available pulling force and can be ideally integrated. The defined rope outlet of the winch supports this compactness, since in comparison to the drum winch there is no necessity of a spooling distance, or even a mechanical forced spooling.

Of course, the winch on the fire crane also provides support to eliminate storm damage. In short - the winch massively expands the range of uses of the fire crane.





### Deployed winches



TREIBMATIC pulling winch



# Aerial Ladders

Fire brigades also rely on ROTZLER technology when extending and retracting the ladder elements of turntable ladders. Our ladder extension winch ensures that the ladder segments nested inside one another can be pulled in and out smoothly. Both in extinguishing operations and in rescuing people, it is important that the ladder segments move safely and without jerks.

Extending and retracting the ladder set with our ladder extension winches is sensitive and cheaper to maintain than solutions with hydraulic cylinders. Besides that, our winches are characterized by the necessary precision and reliability.

We offer ladder extension winches type HL 005, HL 065 and HL 130.





## Deployed winches



Ladder extension winch



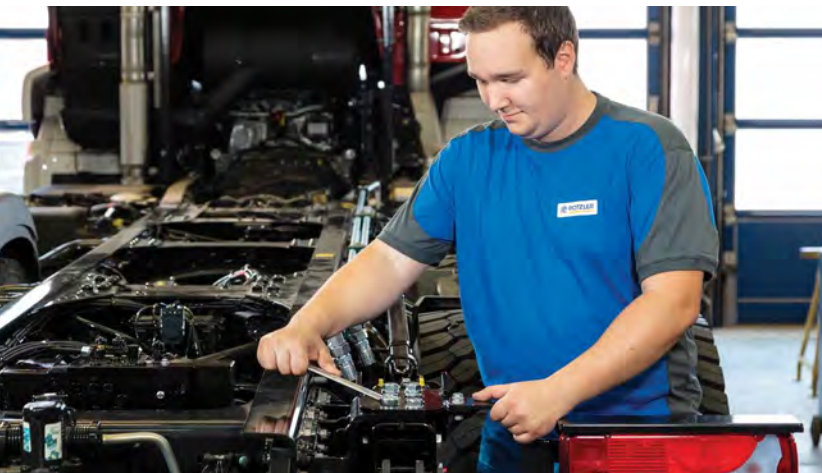


# Services



## Engineering

For our customers, we develop concepts that are precisely tailored to the application. To achieve this, our engineering works closely with specialists on the customer side. This dialogue helps us to develop solutions with real added value. A team of project engineers and designers develops sophisticated concepts for winch integration according to the respective installation situation. We offer this service for body builders and OEMs. It doesn't matter whether we install the winches in the vehicles in our facilities in Steinen, or whether we put together individual winch sets that our customers then install in the vehicles themselves.



## Installation

We are happy to integrate our TREIBMATIC winch systems into customer vehicles at our Steinen site. After installation, we test the winch system on our testing facility to make sure our TREIBMATIC also keeps what it promises. And you can count on that.

As an alternative, we can send our experts to you to help install the winches so that you can benefit from our experienced specialists.





## Service, Maintenance and Training

ROTZLER offers maintenance and repair services for our customers worldwide - over the entire life cycle of our products. In order to prepare technicians, maintenance staff, and winch operators perfectly for working with our products, we offer extensive training programs. So that service technicians, and operators can serve and operate the entire system. Competently and quickly.



# The ROTZLER GROUP

## Where to find us

### CANADA

#### ROTZLER Canada Inc.

Unit 122, 7350 - 72 Street  
Delta, B.C. V4G 1H9  
CANADA  
Phone: +1 604 940 7134

### USA

#### ROTZLER USA Inc.

1475 Ave S, Suite 301  
Grand Prairie, Texas 75050  
USA  
Phone: +1 604 940 7134

### GERMANY

#### ROTZLER HOLDING GmbH + Co.KG ROTZLER Deutschland GmbH + Co.KG

Robert-Bosch-Strasse 4  
79585 Steinen  
GERMANY  
Phone: +49 7627 701 0

### INDIA

#### ROTZLER India Pvt. Ltd.

Plot No.4, 5th Main, 3rd Phase  
Peenya Industrial Area  
560 058 - Bangalore  
INDIA  
Phone: +91 80 28392599

### KOREA

#### ROTZLER Korea Ltd.

1-110 Changwon Knowledge  
Industrial Center  
316, Ungnam-ro, Seongsan-gu  
Changwon, Gyeongnam, 642290  
KOREA  
Phone: +82 55 282 5067