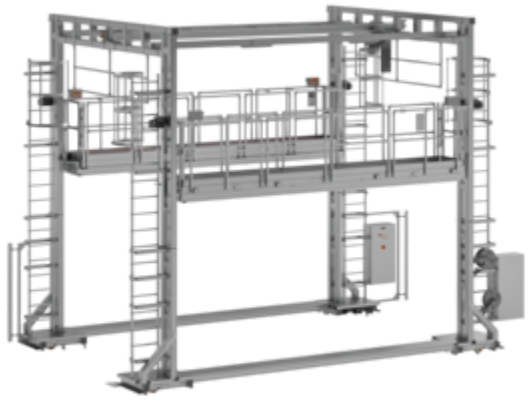
MUNK
Sicherheit. Made in Germany.



Order no.: REF-30273339

Electrically adjustable roof working platform

Specification

Business division	Sector	Type	Height
MUNK Günzburger Steigtechnik	Rail vehicles	mobile	adjustable

Facts

- Longitudinal movement: 85 m
- Platform height (max.): 3,500 mm
- Platform height (min.): 615 mm
- Platform width right: 1,100 mm
- Platform width left: 750 mm
- Platform widening: 400 mm
- Overall height max: 6,400 mm
- Overall width: 5,200 mm
- Total length: 6,400 mm
- Surface load: 150 kg/m²
- Total load: 600 kg/per side
- Crane system: Load capacity 160 kg
- Crane system: Lifting, 2-stage (pole-switchable) 2/8 m/min

Description

Client's Request and Task

In the railway industry, safety is paramount – both for passengers and for the personnel responsible for the maintenance and servicing of trains. Against this backdrop, our client approached us with the requirement to develop an innovative solution for the maintenance and repair of train roofs. The designed working platform was not only intended to improve efficiency and ergonomics at the workplace but also to allow flexible application for various train models.

The specifications were clearly defined: The platform had to be variable in size and adaptable to cover a wide range of train types. It was crucial that the working platform is easy and safe to operate, even considering the strictest safety protocols. Additionally, it should be equipped with

- Crane system: The crane is operated from the floor using a radio control system

tools and connections that support and expedite various maintenance tasks.

Customer Requirements

- Variable adaptability of the platform for different train types
- Electrical adjustability in height, width, and length
- Protection of the train from damage during maintenance
- Integration of a crane to assist with heavy lifting tasks
- Media connections for necessary supplies directly on the platform
- Easy and safe operation of the platform structure
- Maximum safety for personnel through protective measures and warning systems

Our Solution

Roof Working Platform Concept
We developed a highly flexible electrically adjustable roof working platform that can be adjusted in all three dimensions. The platform thus offers the required variability to be adapted to different train models.

Modularity and Flexibility
Thanks to the electrical adjustment mechanisms, the platform can be easily adapted to the conditions of different train types. This ensures that the maintenance staff can always work at the optimal height, and the train is protected from damage.

Integration of a Crane and Media Connections
An integral part of the platform is the crane, which enables the lifting of heavy loads, such as air conditioning units. Media connections for electricity and compressed air are also directly available on the platform, facilitating efficient work.

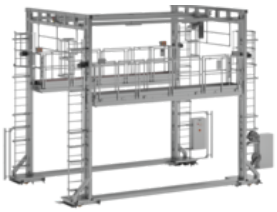
Safety Features and Operational Comfort
The platform is equipped with various safety features, including fall protection, warning signals, and emergency stop switches. It is designed to support the workflow while providing maximum safety for the personnel.

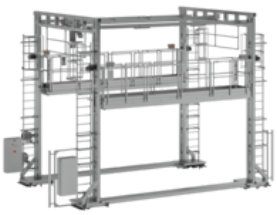
Adjustable Control and Operating Range
The platform is controlled by an intelligent control system that allows for both automatic and manual operation. The working area in the length of the platform can be adjusted according to the requirements of the respective train.

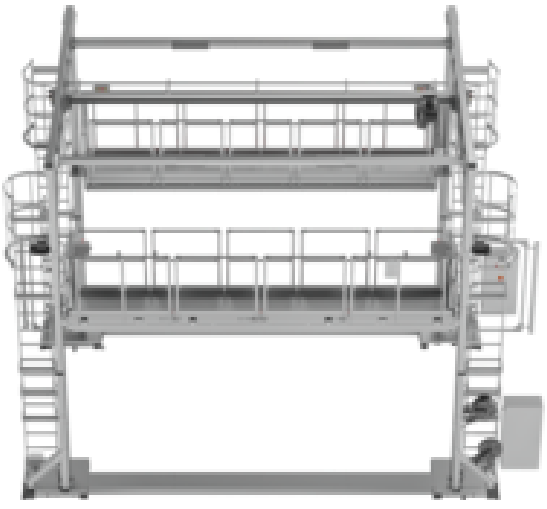
Power Supply and Accessibility
The power supply is provided via a reliable busbar system, and the control cabinet is ergonomically and safely mounted on the base frame.

Conclusion
Our innovative electrically adjustable roof working platform offers a flexible and safe solution for the maintenance and repair of trains. It not only meets all the client-specific requirements but also exceeds them through its flexibility and the integration of safety and ergonomic functions. With this platform, the workflow is optimized, the safety of the maintenance staff is ensured, and productivity is increased.

More product pictures







Added value

Trust in us as your competent partner in the field of individual access equipment solutions. We are industry leaders from analysis to conception and design to first-class after-sales service.

★ Analysis

We set standards in the evaluation of access equipment requirements. Our experts take sufficient time to understand your specific needs. After a thorough analysis, we will present you with a tailor-made design that is perfectly tailored to your individual circumstances. Rely on us to identify your challenges and solve them in an innovative way.

★ Concept

We are leaders in the planning of special designs. With creativity, technical know-how and a deep understanding of access equipment, we develop pioneering concepts. Our experienced team designs outstanding solutions that meet the highest safety standards and maximise your efficiency and ergonomics. Let yourself be impressed by our competence and innovative strength.

★ Design

We set the bar high in design. Our engineers and production planners have unique specialist knowledge and many years of experience in the field of access equipment. With the latest technologies and high-quality materials we realise your concept down to the smallest detail. Precision and quality are the first priority – for your special designs that meet the highest demands.

★ Production

In our modern production halls at our headquarters in Günzburg, we can implement your planning and wishes professionally and efficiently. Our specialists in access equipment, electronics and mechanics always have only one thing in mind: Quality that delivers what it promises. That's why every design, whether large or small, is manufactured with the highest quality and precision and thoroughly tested before shipment.

From decades of experience, we know that individual requirements require special solutions. That's why we are here to help you realize your custom construction.

Get inspired by our reference products and make your unique idea a success. We look forward to supporting your project with our expertise and dedication. Contact our competent team for more information and assistance.

With MUNK Group by your side, your custom construction becomes a reality: Safety. Made in Germany.

What we offer

- On-site consultation and project planning
- Custom development according to your requirements
- Precision manufacturing
- Functional and cost-effective access solutions
- Maximum workplace safety
- Fast delivery
- Compliance with all relevant German, English, and international standards and regulations, such as BetrSichV, DGUV regulations, Machinery Directive 2006/42/EC

Open contact form



★ After sales

Our commitment does not end with the completion of the special design. We are unbeatable in after-sales service. With assembly, maintenance, testing and repairs, we ensure that your special design always remains in perfect condition. Our reliable team provides you with superior customer service and ensures that your satisfaction is first and foremost.



MUNK
Sicherheit. Made in Germany.

Corporate certifications

Standards for quality and sustainability

Nachhaltigkeit
EcoVadis
sustainable supply management
CSR-Rating in Silber 2022