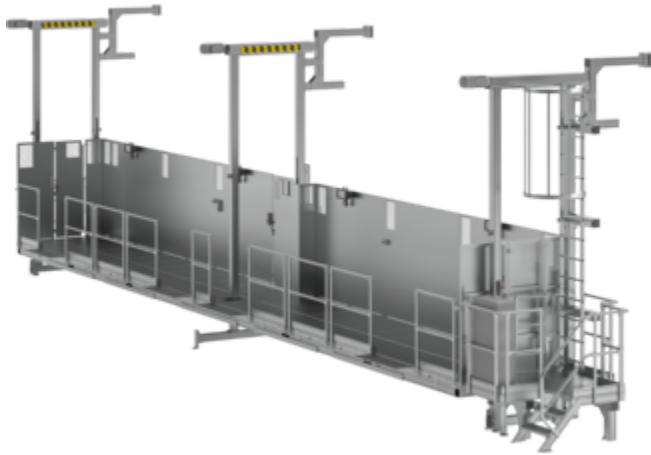


Order no.: REF-30273121

Work platform with electric height adjustment



Specification

Business division MUNK Günzburger Steigtechnik	Sector Industrial systems	Type stationary	Height adjustable
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Facts

- Platform: Decking: Steel grating R12, flaps: Aluminium hot-rolled sheet R9
- Platform: Platform length PFL: 15,440 mm
- Platform: Platform width PFB: 1,750 mm + flaps 400 mm
- Platform: Platform height PFH min.: 650 mm
- Platform: Platform height PFH max.: 2,950 mm
- Platform: Adjustment range V: 2,300 mm, infinitely variable
- Platform: Total width B: approx. 1,900 mm
- Platform: Total height H: approx. 4,830 mm
- Platform: Railing: Railing on 3 sides, clad with perforated sheet metal on the rear and both ends, partially pluggable on the front long side

Description

Client's Request and Task

In the course of an innovative project, a client with special needs approached us: the development of a multifunctional working platform that not only withstands the harsh environment of a production facility but also supports efficient workflow and considers the well-being of employees. The platform had to be transported to the basement through a small opening in the ceiling for assembly. Additionally, it was essential to design the height adjustment so that it was not only safe but also quick to minimize waiting times and increase overall efficiency. The challenge lay not only in the physical design of the product but also in integrating dynamic and responsive elements that would enable seamless integration into the client's operational flow. Furthermore, the construction had to ensure that users always

- Platform - special features: 4 LED spotlights
- Platform - special features: Media supply on platform
- Platform - Special features: 4 230V/50Hz work sockets
- Platform - Special features: 4 hinged platform extensions on the front long side
- Platform - special features: Contact strip attached to the underside of the platform (2x long side and 2x front side)
- Platform - special features: 3 operating points on the platform and 3 outside as access points
- Access: Three access doors to the platform (electrically monitored): 2x front side (SS), 1x long side (LS)
- Access: Vertical height (stairs) SS-SH: 650 mm
- Access: Vertical height SS-SH: 1,000 mm
- Access: Vertical height LS-SH: 1,600 mm
- Access: Step width SB: 600 mm
- Access: Step depth ST: 235 mm
- Access: Inclination 45°
- Access: Decking: R12 steel grating
- Access: Handrail: one-sided right
- Access: Emergency descent ladder mounted at the front end, rotated 90°
- Control: Drive motor: 400V/50Hz
- Control: Motor power: 3 x 1.1kW
- Control unit: Protection class: IP 55
- Control: Control voltage 24V DC
- Control: Synchronisation monitoring
- Control: Adjustment speed 3.0 m/min
- Control: Controlled via dead man's function
- Surface load: 200 kg/m²
- Total load: 1,000 kg
- Step load: 150 kg

have comfortable and safe access to their work area, with a focus on ergonomic handling and accident prevention. Thus, we faced the task of developing a tailor-made product that represents a symbiosis of technical sophistication and user-centered design.

Customer Requirements

- Reliable operation in dusty and oily environments
- Assembly-friendly components for transport through a narrow ceiling opening
- Working platform with variable height adjustment
- Accessibility of the working platform from three sides
- Increasing the speed of height adjustment for more efficient processes
- Ergonomic and safe working environment for employees
- Stable, reliable, and standard-compliant construction of the working platform

Our Solution

Working Platform Concept

The answer to these requirements was the development of a working platform with electric height adjustment, enabled by the use of electric motors and a threaded spindle for precise height adjustments. The construction was specifically designed for transport through a small opening and features assembly-friendly components.

Flexible Access and Adjustment Options

The working platform offers access from three sides to meet the diverse requirements of different working positions. Continuous height adjustment using threaded spindles and monitoring the synchronization of the drive motors enable quick and precise positioning.

Integrated Safety Features and Ergonomics

The platform features flaps for widening to

create additional space and enhance safety. The cladding with aluminum perforated sheet and the fixed staircase with platform ensure safe access. An emergency descent ladder and multiple operating points increase the functionality and safety of the construction.

Technical Integration and Approvals

The technical specifications of the working platform were precisely tailored to the load requirements and desired adjustment speed. The system is firmly anchored and approved for personnel transport, with a load limit that ensures safety and standard compliance.

Conclusion

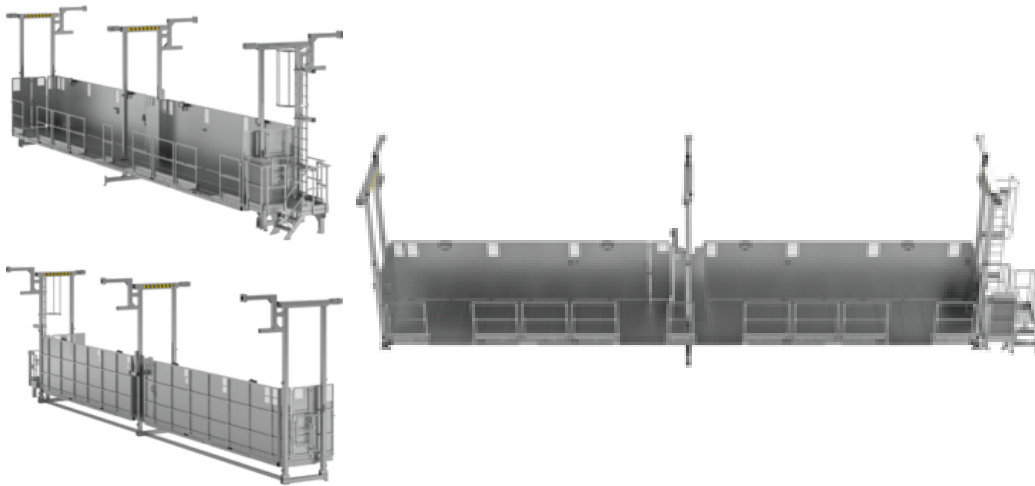
This custom-made working platform embodies an intelligent synthesis of functionality, ergonomics, and safety. The solution tailored to customer needs not only improves work processes but also significantly contributes to employee satisfaction. The platform offers optimal adaptation to the complex challenges of our client's industrial environment through its robust construction and easy handling.

Information on sustainability criteria

- Corporate certification: ISO 9001
- Corporate certification: EN 1090
- Corporate certification: EcoVadis
- RoHS
- REACH
- The MUNK Group complies with a Code of Conduct
- The Supply Chain Act does not apply due to our size
- The materials used are listed in the technical specification
- Resource-saving production: own photovoltaic systems
- Energy-efficient consumption during production: LED lighting
- Repairability, durability and quality: 15-year warranty on series products made in Germany

- Recyclability: Our products are mostly made of aluminium, steel or wood and can be fed directly into the recycling process.
- Socially acceptable working conditions in production: fair wages, gender equality
- Economical and recyclable packaging: no use of polystyrene, predominantly use of wood and cardboard, small amounts of plastic
- No health hazards for the users

More product pictures



Added value



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

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Corporate certifications

on sustainability criteria

