

Order no.: REF-7377253

Loading station

Specification

Business division MUNK Günzburger Steigtechnik	Sector Buildings and outdoor facilities	Type stationary	Height fixed
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Facts

- Length of upper frame (PFL): approx. 5,430 mm
- Width of top frame (PFB): 2,530 mm
- Railing frame length: 4,205 mm
- Railing frame width: 2,530 mm
- Railing frame height: 1,608 mm
- Railing frame height (lower edge - front): approx. 4,100 mm
- Railing frame height (lower edge - rear): approx. 3,600 mm
- Railing frame height (lower edge - container): 350 mm
- Overall length (L): 5,840 mm
- Total width (B): 6,260 mm
- Total height (H): 2,816 mm

Description

Client's Request and Task

A leading company in the chemical industry tasked us with designing a loading station specifically for the safe filling of ISO containers with sulfuric acid. It was crucial to create a workspace that protects employees from the elements, offers ergonomic working conditions, and operates entirely without electricity. The requirements included a stable, reliable, and standard-compliant execution that takes into account the unique challenges of handling sulfuric acid.

The goal was to develop a solution that provides an enclosed and secured work area for the operator, while accommodating the process-related variable height positions of the ISO container nozzles. Our task was to ensure the safety of employees in all weather conditions

while simultaneously supporting an efficient workflow that guarantees high productivity, even considering the strictest safety and ergonomic standards.

Customer Requirements

- Loading station for the safe filling of ISO containers with sulfuric acid
- Stable, reliable, and standard-compliant construction without electricity
- Enclosed and secured work area for the employee

Our Solution

Loading Station Concept

We present a loading station that, as an integral part of operational logistics, provides fall protection during the filling processes of containers. The station is connected via an upper frame, securely mounted to an existing client-side steel frame. A railing basket rigidly attached to the upper frame ensures maximum safety as an all-around fall protection.

Specifications and Flexibility

The loading station offers sliding railings on both longitudinal sides to facilitate the introduction of the filling hose and adapts to the variable heights of the container nozzles. Personnel can access the roof of the container through a safety door, thus working protected in a defined area.

Safety Aspects

The construction without electricity adds an additional level of safety, as no spark formation is possible – a crucial aspect when handling sulfuric acid. The stable design ensures reliable stability in various weather conditions.

Technical Data and Load Capacity

The station was designed to meet the specific load requirements for loading sulfuric acid. The dimensions of the railing frame and the upper frame ensure a generous working area, and the

overall construction provides sufficient height for container filling.

Modularity and Adaptation

Our loading station can be easily integrated into existing operational structures and, due to its modular design, can be adapted to different container sizes and types. This ensures a flexible and future-proof investment for our client.

Conclusion

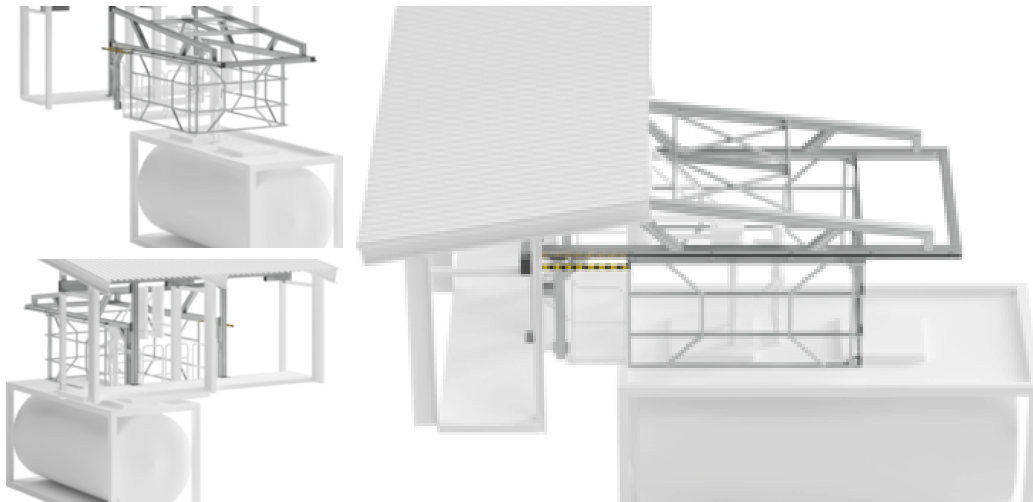
The custom-designed loading station meets all specific requirements of our client for the safe and efficient filling of ISO containers with sulfuric acid. By forgoing electricity, coupled with the robust construction and ergonomic design, the station not only offers the highest level of safety but also optimal support for work processes – a valuable addition to operational safety management.

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

Trust us as your competent partner for tailored access equipment solutions. From analysis and design to construction and premium after-sales service, we are the industry leader.

★ Analysis

We set the benchmark when it comes to evaluating access equipment requirements. Our experts take the time to fully understand your specific needs. Following a thorough analysis, we present a customised solution precisely tailored to your individual circumstances. Rely on us to identify your challenges and provide innovative solutions.

★ Design

We lead the way in planning bespoke solutions. With creativity, technical expertise, and a deep understanding of access equipment, we develop groundbreaking concepts. Our experienced team designs outstanding solutions that meet the highest safety standards while maximising efficiency and ergonomics for you. Let our expertise and innovative strength impress you.

★ Construction

In construction, we set the bar high. Our engineers and production planners possess unique expertise and extensive experience in access equipment. Using state-of-the-art technologies and high-quality materials, we realise your design down to the smallest detail. Precision and quality are our top priorities, ensuring bespoke solutions that meet the highest demands.

★ Production

At our modern production facilities in Günzburg, we professionally and efficiently bring your plans and requests to life. Our specialists in access equipment, electronics, and mechanics focus on one thing: quality that delivers on its promises. Every construction, big or small, is crafted with the utmost care and precision and rigorously tested before shipping.

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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★ **After Sales**

Our commitment doesn't end with the completion of your bespoke solution. We excel in after-sales service. Through assembly, maintenance, inspections, and repairs, we ensure your customised access equipment remains in perfect condition. Our reliable team offers top-tier customer service, ensuring your satisfaction is always our priority.



Corporate certifications

on sustainability criteria



Management System
ISO 9001:2015
ISO 14001:2015
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