

Order no.: REF-7377253

## Loading station

### Specification

Business division <b>MUNK Günzburger Steigtechnik</b>	Sector <b>Buildings and outdoor facilities</b>	Type <b>stationary</b>	Height <b>fixed</b>
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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**

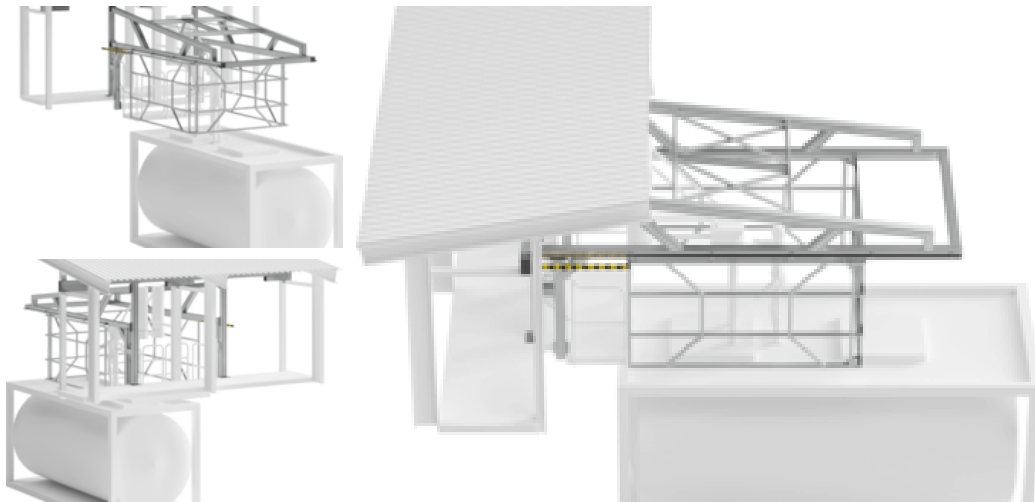
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- Corporate certification: ISO 9001
- Corporate certification: EN 1090
- Corporate certification: EcoVadis
- RoHS
- REACH
- The MUNK Group complies with a Code of Conduct
- The Supply Chain Act does not apply due to our size
- The materials used are 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

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## Added value

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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

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on sustainability criteria

