

**AWT<sup>®</sup>** Automatic Goods Transport

**Rieber**

**AWT food tray trolley,  
dishwasher-safe**

The AWT containers are not just designed for suspension in an automatic trolley system, but also as independent mobile supply units.

Payload 100 kg (higher payload is possible; dependent on conveying system and trolley construction), max. tare weight 150 kg. Dimensions 1300 x 720 x 1380 mm.

The trolley has a self-supporting, double-walled design.

All of the interior space is fitted with sound-proofing insulation.

All containers have a longitudinal side with two doors that open independently. The interior and exterior container surfaces are formed entirely without seams. All connections are welded absolutely tight.

Weld seams are ground down and cleaned.

Interior space is steam diffusion-tight.

The container design is so stable that it remains true to dimensions even if used in an automatic suspended conveyor with an immediate stopping system.



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# Self-supporting and mobile.

## **The doors**

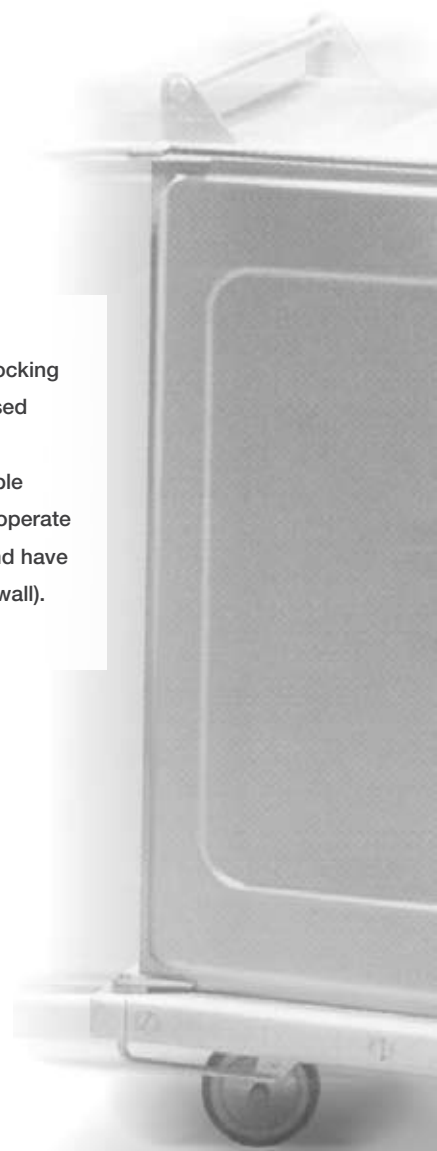
of the container are double-walled, with a locking device which keeps the doors securely closed or open as it passes along the wash lines.

The doors are fitted with drivers which enable automatic opening and closing. The doors operate maintenance-free, are easily replaceable and have a swing of 270° (up to 2 cm in front of side wall).

## **The wheels**

are provided with ball bearings, fork and rim of stainless steel, and are short-time heat resistant up to +110 °C.

Tread, diameter of wheels and special features are adjusted specifically to the existing requirements.

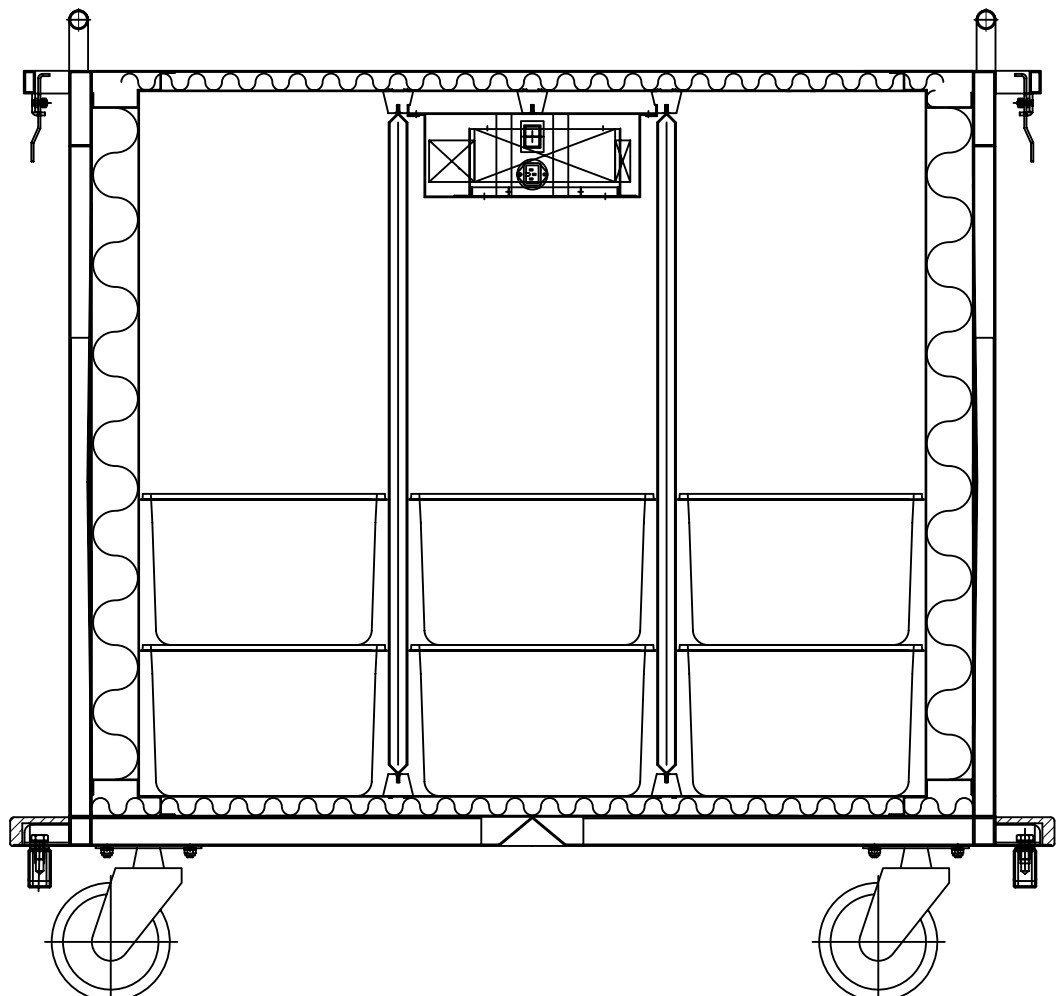


**The bumper**

is designed to withstand the automatic wash cycle and day-to-day use. The entire trolley (including parts not made of chrome nickel steel) is resistant to temperatures of +95 °C during wet cleaning while also maintaining its strength, colour and shape. It is also short-time heat resistant up to +110 °C. Two pick-up devices are located on the roof of the trolley's face sides for transferring the container into the AWT system. These fixtures can also be used as manual pushing handles.

**The mobile frame**

needs to have an all-round bumper which is coloured appropriately for the container's intended use.



## Specific trolley solution.

### *Trolley carcass design*

The interior and exterior trolley panels should, as far as possible, be formed continuously and then welded so as to keep the number of seams to a minimum. A self-supporting, sheet-metal fabrication is preferable when it comes to trolley construction. The

advantages are, firstly, fewer seams and, secondly, better dimensional stability in tough, day-to-day use. This has also been proven in tests. For example, in the event of an automatic trolley system being stopped in an emergency, a loaded trolley will deform less if the trolley has a

framework construction. However, the deformation largely remains after the event. By contrast, a self-supporting sheet-metal fabrication returns to its original shape. Rieber containers boast this self-supporting sheet-metal design.

### **Special design features of a double-walled container**

The following points are important in the design of a double-walled container:

- seams welded absolutely tight
- minimal air volume in tightly welded partition walls
- weld seams must be created such that they are sited, as far as possible, outside of the loaded zones, for example, not on outer edges, since the trolleys are exposed to both mechanical and thermal loads.

### **Benefits of double-walled containers**

Compared to a single-walled trolley, a double-walled trolley has significant advantages.

This is why many users decide in favour of a double-walled container. Top benefits include: high stability and therefore long life, low noise generation, plus excellent hygiene.

### **Wearing parts**

A container should be designed such that the number of moving parts is minimised. This means using extremely simple techniques.

A company's repairman should be able to change any replaceable part without the need for welding.

This applies, in particular, to door locks, door hinges, bumpers and wheels. Rieber containers fulfil all these requirements.



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Rieber is the leading provider of complete catering solutions for schools, businesses, caterers, hotels, restaurants, clinics and care homes as well as armies.

We are creators of cuisine which means we make an important contribution to people's health and quality of life – from the young to the old.

In particular we strive for food quality, safety and low operating costs in situations where there is a space/time gap between food production and consumption. Both hot and cold, for 1 to 1000 people.

Thus our solutions combine high levels of convenience and attractive design with highly efficient use of materials, energy and water. Rieber is therefore able to offer specific applications that save valuable energy and water in your everyday service, enabling you to do your bit for the climate and environmental protection.



Design: pearl creative, ludwigsburg, industrial design  
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