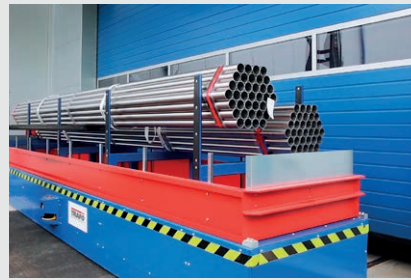


Storage technology and automation Sheet metal storage



Sheet metal storage



Long goods storage



Customised solutions



Storage and retrieval machines

PORTFOLIO

Our product portfolio covers stored material of all kinds.

System design, format sizes and payloads can be adjusted individually for all systems.

Additionally, you may use options that perfectly match your storage requirements.

Your competent partner for customized solutions:

- Complete systems
- Plant components
- Modernisation
- Service



TRAFÖ logistic systems GmbH & Co. KG
Bahnhofstraße 80
97922 Lauda-Königshofen
Germany

verkauf@logistic-systems.de
www.trafoe-logistic.de

Phone +49 9343 7900-0

Experience ■ Solutions ■ Customized ■

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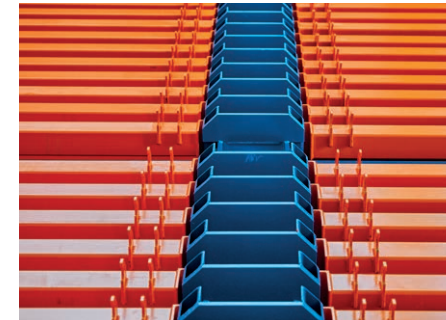
SHEET METAL STORAGE

TRAFÖ logistic systems – Precisely adjusted to your needs

- Planning
- Production
- Assembly
- Commissioning
- Service

Your benefits:

- Highest economic efficiency
- Quick access times
- Reliable delivery times
- Saving time and money



The special characteristic of the storage system is the size of the system pallets. Sheets at formats of up to 2,600 x 6,100 mm and a maximum weight of 5,000 kg can be stored.



Project Description

Rostfrei Stahl Geiswind GmbH can look back on nearly 50 years of experience in the area of cut sheets of rust-, acid- and heat-resilient CR-Ni steels. The company is still family-owned. It is the only group-independent cutting operation of this size in Germany.

Rostfrei Stahl invested in expansion of the production areas in 2016 and installed a fully automatic sheet metal storage system. The challenge was in the sheet formats to be stored. The system pallets can hold sheets at sizes of up to 2,600 x 6,100 mm. they can be loaded with up to 5,000 kg each. At a length of 58 m and a total height of 13 m, the single-line storage system with 360 bins offers a total capacity of about 1,800 tons of material.

The storage and retrieval device, equipped with some electronic helpers and a load handling device developed by Trafö supplies the storage and retrieval stations with the system pallets. Both stations of the system are designed as travelling carts and can be used for loading and unloading. An integrated weighing system in the stations fully automatically records the weight of the stored products and reports them to the control and software.

Project Data

Sheet metal storage

Year of construction	2016
Storage length	58 m
Storage width	6,8 m
Storage height	13 m
Pallet format	2,600 x 6,100 mm
Number of system pallets	360 units
Payload per system pallet	5,000 kg
Number of storage and retrieval machines	1 unit
Number of stations	2 units

Control and software solutions

The storage administration system is the command centre of the system. It controls all movements of the storage and retrieval device and coordinates all processes of the system. The system has a special inventory function that permits automatic inventory taking through the weighing technology in the stations. All data are exchanged via an interface with the ERP system.

The intuitive software interface installed on touch screen terminals serves to operate the system. Material postings, demand requirements and the current status of the warehouse can be requested at each of the terminals. The modular build of the software structure offers an optimised solution for many different applications and can be supplemented and expanded at any time by using individual components.