

Storage technology and automation Sheet metal storage



Sheet metal storage



Long goods storage



Customised solutions



Storage and retrieval machines

PORTFOLIO

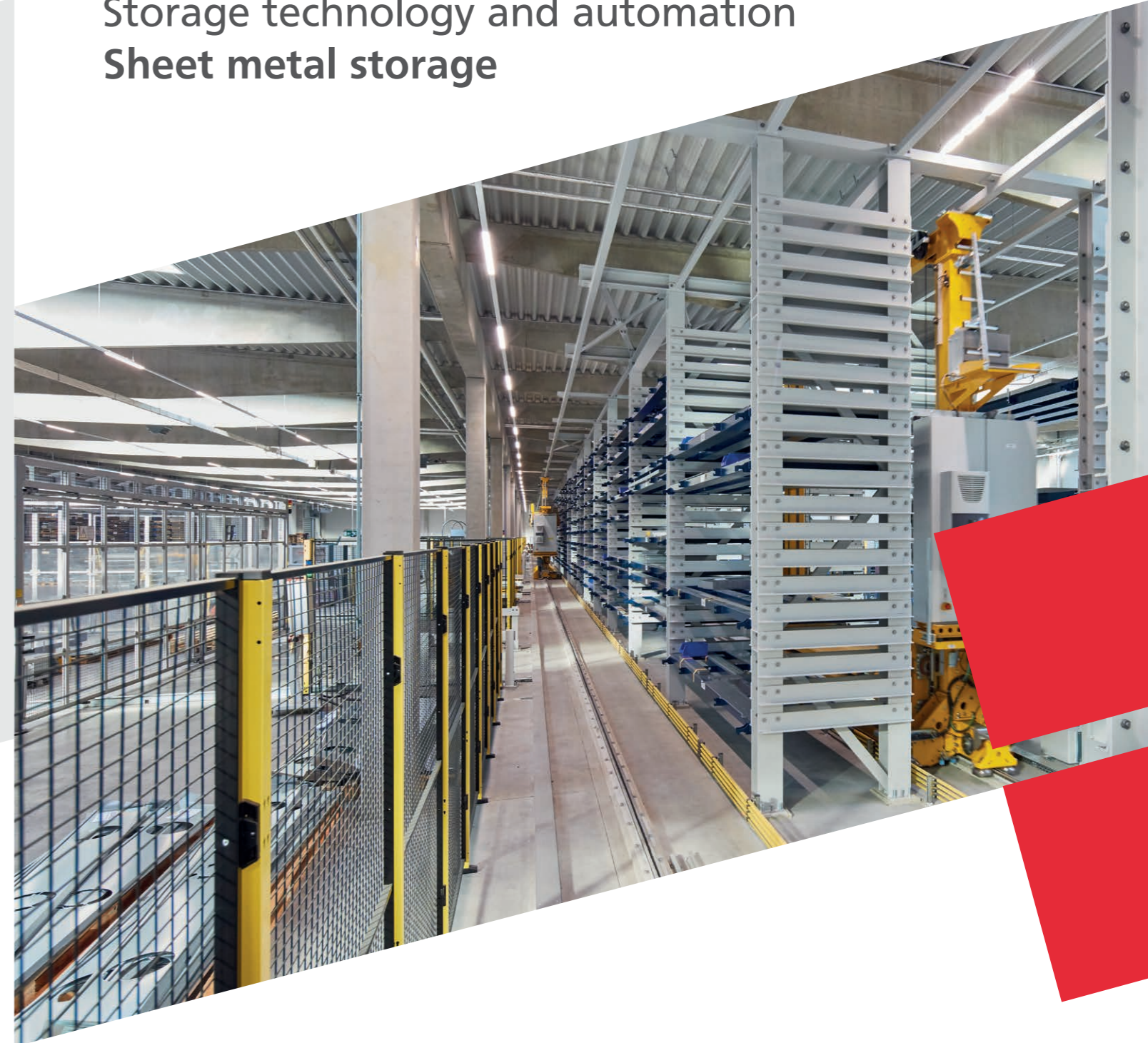
Our product portfolio covers stored material of all kinds.

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

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www.trafoe-logistic.de



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



This is the largest sheet metal storage implemented in the corporate history of Trafö to date. After the second development level, 1,050 bins with a total storage capacity far in excess of 3,100 tons of material will be available.

15 operating terminals (HMI) ensure quick communication between the operators and the logistics system. These interfaces ensure smooth digital coordination between user, storage system and machine.



Project Description

Hauser is a successful complete provider of refrigeration units and re-frigeration technology throughout Europe. Refrigeration units for food retail, composite systems, system and regulation technologies and much more in all sizes characterise the Hauser product portfolio. A gigantic facility project including a sheet metal storage system has been built and taken into operation at the site of Kaplice in the Czech Republic. The sheet metal storage, with a length of approx. 134 m and a height of 6 m, reaches around 1,050 bins and thus achieves a storage capacity of well over 3,100 tons of material.

The system pallets are designed for the format 4,000 x 1,500 mm and a payload of 3,000 kg. The special feature is that there are two storage and retrieval devices that supply the storage and the machines at a top speed of up to 3.5 m per second. About 700 running orders per day are performed by the overall system. The highly complex production strategy at Hauser requires use of different station solutions.

19 stations such as storage and retrieval stations or quick-change systems warrant supply of the 17 connected machines, ensure enormously fast material change at the systems and reduce the change times to a minimum. Semi-finished parts that are automatically returned by the machines are prepared for the subsequent processes by a specially developed rotating device or turning unit.

Project Data

Sheet metal storage

Year of construction	2017
Storage length	134 m
Storage width	7,4 m
Storage height	6 m
Pallet format	4,000 x 1,500 mm
Number of bins	1,050 units
Payload per bin	3,000 kg
Number of storage and retrieval machines	2 units
Number of stations	19 units

Control and software solutions

The warehouse administration software is the central unit that controls, coordinates and monitors all processes of storage technology. Coordinated in detail with the individual production processes at Hauser, the warehouse administration computers form the command centre of the sheet metal storage. 15 terminals (HMI) ensure the required communication between the operators and the logistics system. Interfaces with individual systems ensure smooth digital coordination between man, storage and machine.