Modern Warehousing Logistics

Turning ideas into solutions
fehr in Switzerland has been the expert for warehousing logistics since 1949. As a leading innovator, fehr stands for sophisticated and customer-oriented one-stop logistics concepts – in an implementation quality that is absolutely reliable.

Originally developed for long and flat stock used in the steel-trading sector, fehr’s warehouse solutions are today to be found throughout all areas of industry. From standard applications to complex and comprehensive process-integrated concepts, fehr’s engineers are engaged in the development of tailor-made solutions to meet a broad range of demands.

fehr bases its success on its proximity to its customers and identification with their respective requirements. Its headquarters are located in Winterthur, Switzerland and it operates branches in Flörsheim and Langenfeld in Germany so that with its highly qualified professionals – engineers, service technicians and IT specialists – fehr is ideally situated to always deliver its support services where they’re needed most.

The benchmark for its activities is the benefit that its products and services deliver to customers – as is the confidence that’s placed in the company. Because that is what the business builds its long-standing customer relationships on.
fehr honeycomb

_____ Honeycomb warehousing system for large quantities and high access speeds:
The shelving system is ideal for large quantities of rod and sheet materials – especially if high access speeds are necessary. This extremely efficient system works according to the principle of exchangeable cassettes and can be operated fully automatically and networked.

- Bins 800—∞
- Positions/h up to 60
- Payload up to 16,000 lbs (7 t)
- System height up to 105 ft (32 m)
- Rod dimensions up to 50 ft (15 m)
- Flat dimensions up to 20 x 8.5 ft (6 x 2.5 m)
- Host connection possible

fehr honeycomb light

_____ Direct access without waiting times:
The honeycomb light system provides window manufacturers with direct access to fast-moving items without waiting times. The specially designed access stations also allow machine saws to be directly connected. The process of storing and removing items directly from forklifts is also possible with honeycomb light.

- Bins 200—1000
- Positions/h up to 35
- Payload up to 4,000 lbs (1.75 t)
- System height up to 33 ft (10 m)
- Rod dimensions up to 30 ft (9 m)
- Flat dimensions up to 20 x 5 ft (6 x 1.5 m)
- Host connection possible
roll-over storage for a variety of long goods qualities will get your material flows going. Be it in production or retail: the clever top-stacking system is highly suitable for warehouses with 100 to 1000 storage places. It is fully automatic and delivers a new dynamic in storage logistics.

- Bins 80–1000
- Positions/h up to 35
- Payload up to 8,000 lbs (3.5 t)
- System height up to 72 ft (22 m)
- Rod dimensions up to 30 ft (9 m)
- Flat dimensions not suitable
- Host connection possible

fehr top stacker

side stacker: Customer units (baskets) are managed without additional load carriers. Incoming goods are stored using side stackers. A positioning aid facilitates the correct placing of the baskets before they are transferred to the system. The material moves automatically to the respective double mitre saw. Each saw is equipped with two extraction roller conveyors to enable work to be carried out on different articles simultaneously.

- Bins 50–500
- Positions/h up to 30
- Payload up to 3,500 lbs (1.5 t)
- System height up to 15 ft (5 m)
- Rod dimensions up to 23 ft (7 m)
- Flat dimensions up to 20 x 5 ft (6 x 1.5 m)
- Host connection possible
fehr multi tower

The individual special warehousing solution for all lines of industry: fehr multi tower is synonymous with rapid access, optimum storage-space utilization and maximum availability. But the flexible installation concept based on modern lifting technologies convinces most of all with its individual special solutions for all industries.

- Bins 10 – 150
- Positions/h up to 20
- Payload up to 7,000 lbs (3 t)
- System height up to 65 ft (20 m)
- Rod dimensions up to 29.5 ft (9 m)
- Flat dimensions 10 x 5 ft (3 x 1.5 m)
- Host connection possible

fehr multi tower ergoline

fehr multi tower ergoline is a flexible storage concept system. This “off-the-rail” adaptable tower system’s special feature is its top ratio between capacity and storage space. But its versatile applications for flat and long stock are also outstanding. The multi tower ergoline system’s capacity that ranges from 20 to 60 cassettes makes it easy to integrate it as a central storage facility or into small and larger halls.

<table>
<thead>
<tr>
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<th>Long goods</th>
<th>Flat goods</th>
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<tbody>
<tr>
<td>Bins</td>
<td>20 – 60</td>
<td>20 – 60</td>
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<tr>
<td>Payload up to</td>
<td>3,500 – 7,000 lbs (3 t)</td>
<td>3,500 – 7,000 lbs (3 t)</td>
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<tr>
<td>System height up to</td>
<td>26 ft (8 m)</td>
<td>26 ft (8 m)</td>
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<tr>
<td>Cassette usefull length</td>
<td>11 / 21 / 24 ft (3.3 / 6.3 / 7.3 m)</td>
<td>11 ft (3.3 m)</td>
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<tr>
<td>Cassette usefull depth</td>
<td>24” / 34” (600 / 850 mm)</td>
<td>59” (1500 mm)</td>
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<tr>
<td>Cassette usefull height</td>
<td>selectable</td>
<td>selectable</td>
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<tr>
<td>Expandable</td>
<td>on both sides</td>
<td>on both sides</td>
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<tr>
<td>Drawer</td>
<td>chain</td>
<td>chain</td>
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<td>Host connection</td>
<td>possible</td>
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fehr Retrofit

--- Bringing older warehousing systems up to date: When deciding whether to modernise an existing warehouse or build a new one, there are not only economic arguments that favour a bespoke retrofit of the existing warehouse. After all, the mechanical components of older systems are usually in good condition, it’s just the system technology that is no longer up-to-date. With a retrofit-system-update, our technicians bring your entire warehousing system – irrespective of the manufacturer – up to date. This protects the value of your investment and keeps your company competitive.

When does a fehr retrofit make sense?

- The control system is no longer supported by the manufacturer
- The IT infrastructure is outdated
- The warehouse management software no longer satisfies the requirements of a modern company
- The demands on the operational procedures have changed
- The costs of operation and maintenance are too high
- The safety standards are no longer up-to-date
- Changes to regulations as operator are no longer taken into account
- The system is too slow
- Too many down times
- Compatible components are no longer available
- Required performance can no longer be achieved
- Planned relocation
- Expansion of the existing system

fehr WMS

--- Everything is in its place with fehr wms: The warehouse management system supports both automatic warehouses according to the principle of material-to-man as well as manual warehouses according to the principle of man-to-material. It either coordinates automatic transport devices that transport the goods to the picking station, or fehr wms guides the warehouse manager to the goods with the aid of a mobile RF terminal or paper printout.

fehr Service & Support

--- We are here when you need us – your reliable partner: Our technical service and support looks after your plants and systems; from installation, through commissioning, right down to a later modernisation. Whether mechanical systems, control technology or warehouse management software, via remote, on your premises or over the hotline: we can guarantee correct and professional technical support for your fehr warehouse and all the directly associated extensions from third-party suppliers over the entire life cycle of your warehousing system.
Modern warehousing logistics are as diverse as the goods being handled. From customized system solutions to standard versions: fehr systems are based on your needs.

Systems that move a lot. Decide which system is the right one for your business and your needs depending on the number of cassette spaces and positions.
Turning ideas into solutions

fehr is a leader in warehousing logistics. We have been specializing in high-quality and highly efficient storage solutions since 1968. We develop innovative logistics concepts with typical Swiss know-how, precision and global orientation. Highly modern equipment and consistent storage and handling models ensure perfect material flows from admission to stores following the receipt of goods to extraction for shipping, from the producer to the consumer.

What can we do for you?

- Inventory management
- Plant modernization
- Maintenance/service
- Remote maintenance
- Spare parts logistics
- Online ERP interfaces
- Online saw interfaces
- Long-materials and sheet-metal storage
- Conveyor equipment
- Industrial paternosters
- Handling systems
- Special designs
- Material-flow analyses
- Industrial automation

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