



SMB



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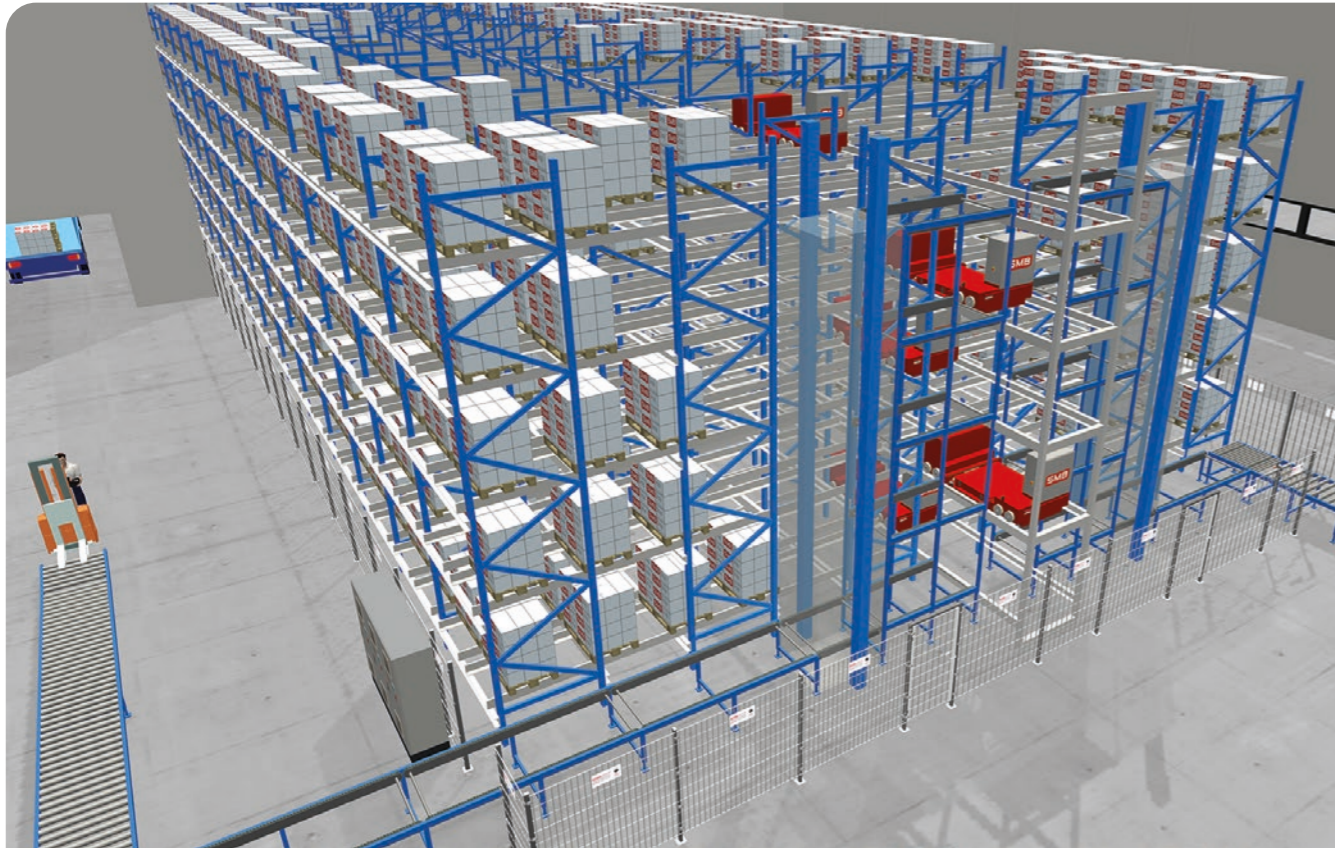
SMB

COMPACT STORAGE SYSTEMS

PALLETIZING, CONVEYING, STORAGE AND LOADING

Automated truck shuttle storage systems with maximum space utilisation and the smallest footprint

Powerful and reliable



The fully automatic SMB compact storage systems: simultaneous storage and retrieval on every level

The basic idea behind the SMB compact storage systems: one permanently assigned truck shuttle system per level

Vertical conveyors distribute the storage pallets to the storage levels, achieving maximum redundancy and system performance – quickly reaching up to 140 tasks/h with four trucks. In order to enable higher storage capacities, it is also possible to service one storage level with two truck shuttle systems.



Actively avoid hazards and optimally prepare service operations

SMB compact storage solutions ensure safety at all levels: By dispensing with batteries and power caps in the truck shuttle system, the fire load is significantly reduced. In addition, this enables genuine 24/7 operation, even under deep-freeze conditions. The individual storage levels can be switched off separately – this ensures safe access for service and maintenance while the remaining levels continue to operate.

- 1500 kg standard pallet weight
- 25-35 single tasks/h per storage level and truck shuttle
- 50-120 pallets/h per vertical conveyor
- 3 m/s speed main conveyor line
- 0.5 m/s speed channel
- Permanent power supply via busbars (trucks) and trailing cables (shuttle)
- Mechanical drive of the lifting device
- Refrigerated and frozen variant available

Resource-saving and energy-efficient

High efficiency in all areas

Thanks to their low floor load, SMB compact storage systems are suitable for installation in existing halls, as well as storey levels – as a completely new build, they can also be realised as in-house or silo storage units. The compact storage design achieves a space utilisation of up to 95 per cent.

The lightweight stacker cranes at the different levels ensure high energy efficiency compared to other systems: During storage or retrieval, the electrical consumption is only 0.02 kWh per task.

Even when in continuous 24h operation and under deep-freeze conditions, all requirements for efficiency and reliability are met.

Optimised material flow

The company's proprietary management system offers a high degree of flexibility through the connection to all common ERP systems. The SMB interface is highly standardised in its basic form, and can optionally be modified to suit the customer. The machine control system is designed as a pure Siemens system control.

Our services for fast and safe commissioning

- ✓ Concept development
- ✓ Analysis of the storage system data
- ✓ Digital simulation
- ✓ Delivery of a complete turnkey solution
- ✓ Individual service and maintenance packages 24/7



SMB compact storage solutions: always the first choice



Operation

High degree of flexibility and simple connection through the user-friendly compact storage management system.



Maintenance

Secure access for inspections, preventive maintenance and rapid troubleshooting (24/7) in the truck shuttle channel.



Fire protection

Sprinkler technology is easily integrated. Alternatively, a fire prevention system using oxygen reduction is an option.



The experts in intralogistics

Leaders in planning, development and manufacturing of tailor-made systems and equipment

Thanks to our high proportion of in-house production, we are also able to deliver extensive projects such as constructing an entire factory quickly, precisely and with consistently high quality – anywhere in the world. Our own design, production and programming with software solutions form the basis

for our large depth of manufacturing, enabling us to ensure individuality, quality and reliability. Our service teams work nationally and internationally on extensive systems and plants that are already in place. Our worldwide distribution network delivers fast, effective information and coordination.



Storage systems, palletizers, conveyor technology and filling systems all under one roof.



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