

M-CrossDrive 3D

Variable container shuttle for
scalable storage and transport systems

MCrossDrive 3D system solutions

Variable container shuttle for scalable storage and transport systems

The developed container shuttle, MCrossDrive 3D, forms the basis of scalable system solutions for your warehouse. With maximum scalability and flexibility, it enables cost-effective access to automation and virtually unlimited options to quickly and economically extend your capacity and performance levels.

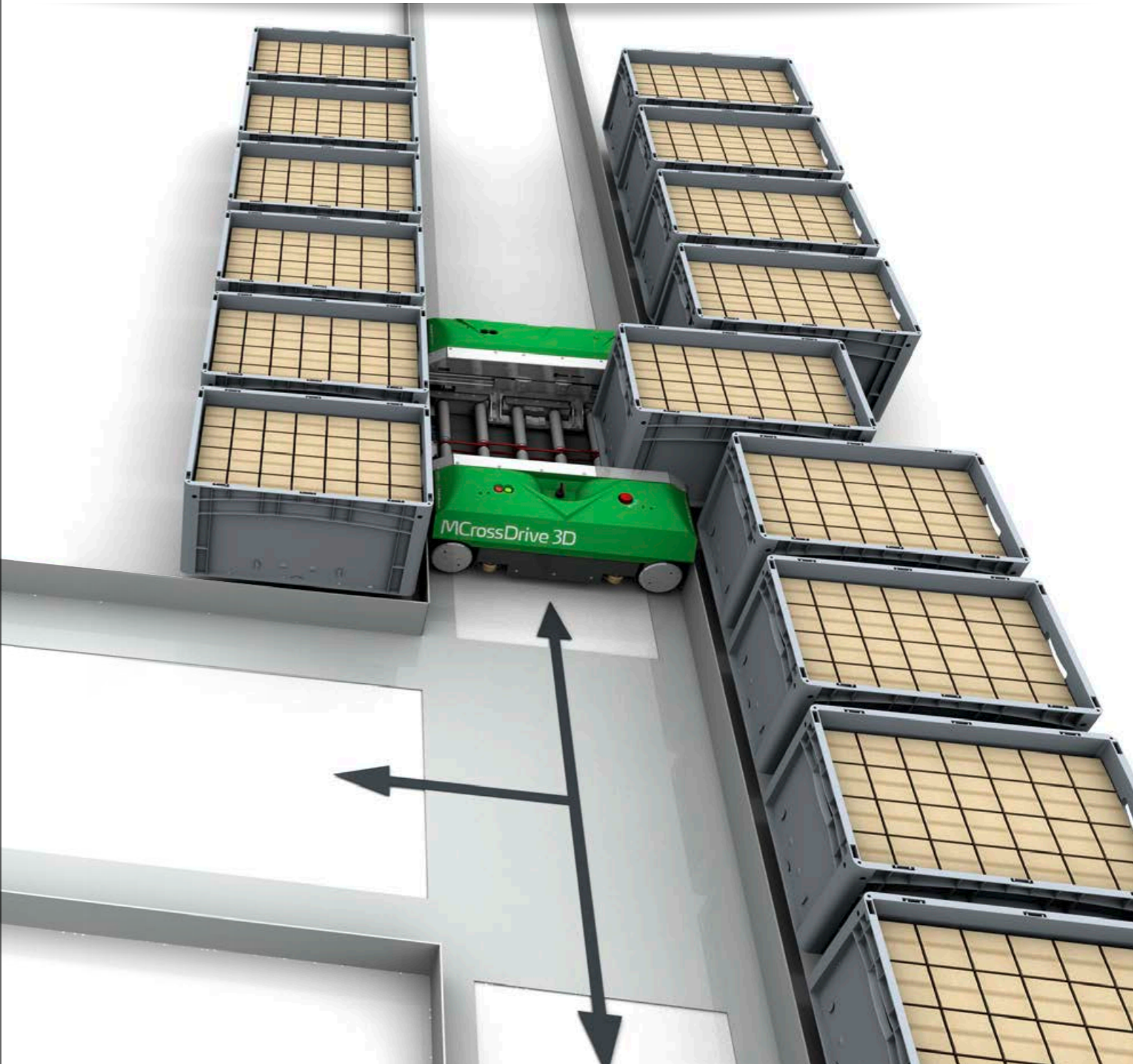
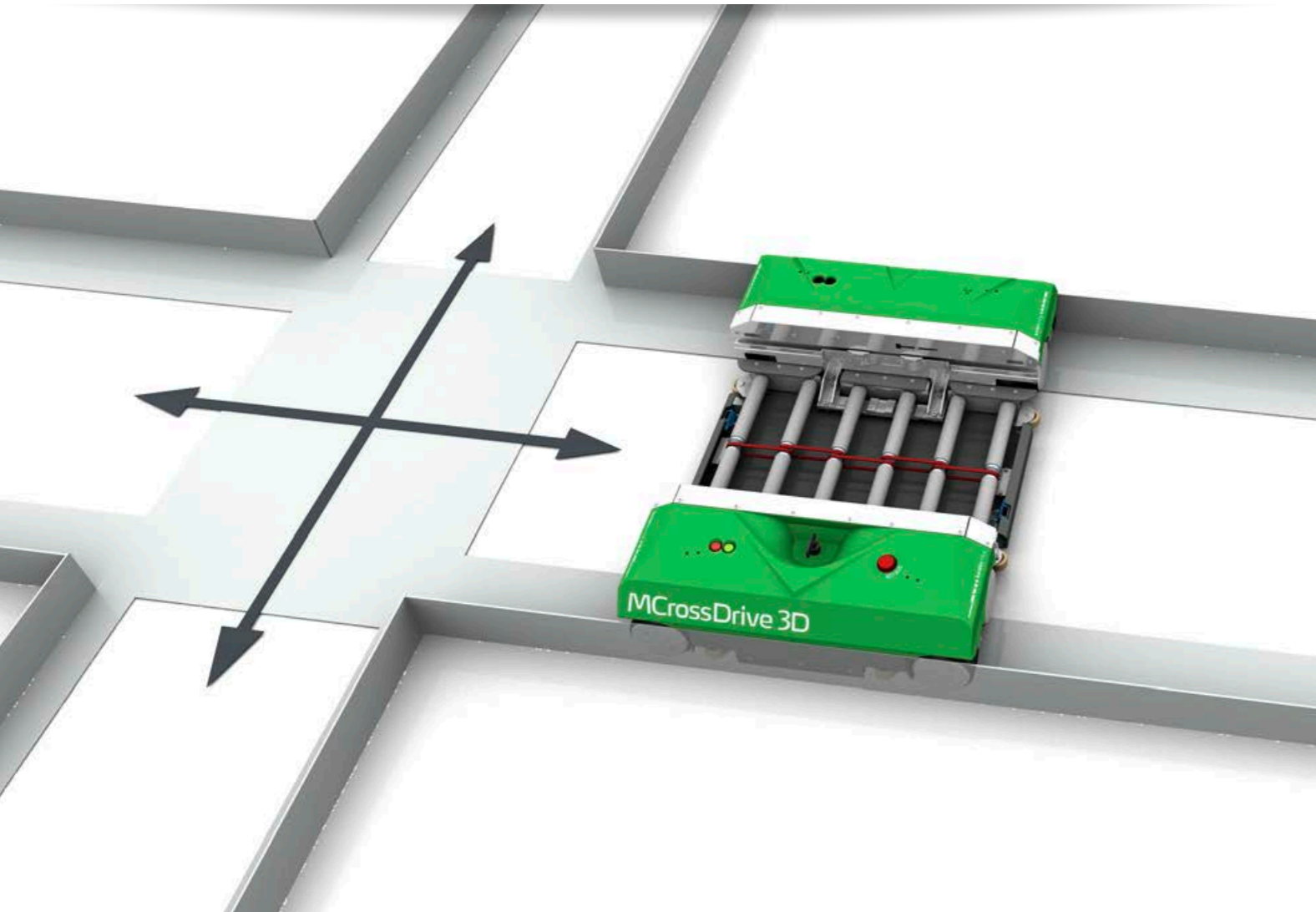
Start off with a racking system tailored to fit your current requirements, a MCrossDrive 3D, and a vertical lift device. This set-up enables dynamic handling of multiple

orders with smaller volumes. As the size and number of orders, or the product diversity, changes over time, you can supplement additional aisles or additional shuttles at any time and during ongoing operations.

The MCrossDrive 3D is thus ideally suited for companies with solid growth prospects, who are looking for a future-proof solution for the development of their material flows – from start-ups right through to high-volume companies.

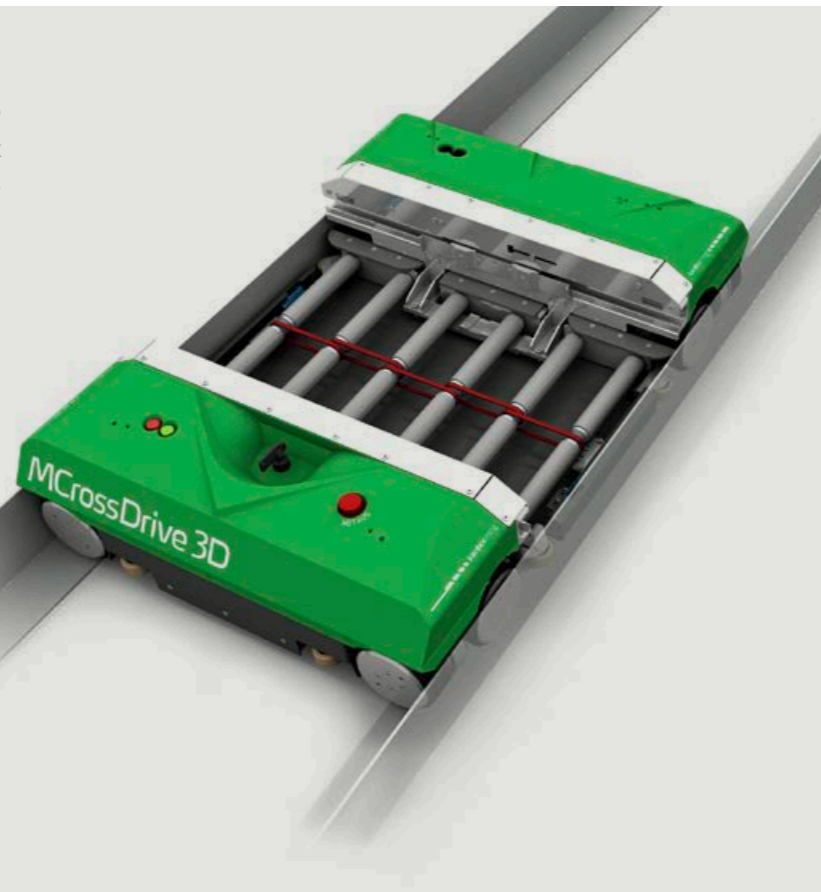


Telescopic grab



The MCrossDrive 3D is designed to accommodate containers, and its high travel speeds and efficient energy usage enable continuously high goods-handling figures.

- ▼ **Loading devices:**
Containers 600 x 400 mm
- ▼ **Storage/Retrieval:** Single-deep
- ▼ **Payload:** Up to 50 kg
- ▼ **Weight of device:** 90 kg
- ▼ **L x W x H:** 910 x 680 x 220 mm
- ▼ **Travel direction:** X and Z axis
(Y axis possible with stationary lifter)
- ▼ **Manual emergency release**
- ▼ **Robust RFID position recording**
- ▼ **Easy-maintenance modular design**



Universal applications

Cost-effective conveyance with the MCrossDrive 3D

With regard to the conveying technology, the MCrossDrive 3D enables implementation of especially economical and efficient transport solutions. Performing a taxi function, it secures the material flow between the individual stations and processes such as goods receipt, picking, and goods issue.

Here, the shuttle makes use of a robust and low-maintenance rail construction, which requires significantly lower investment than conventional continuous conveying technology.

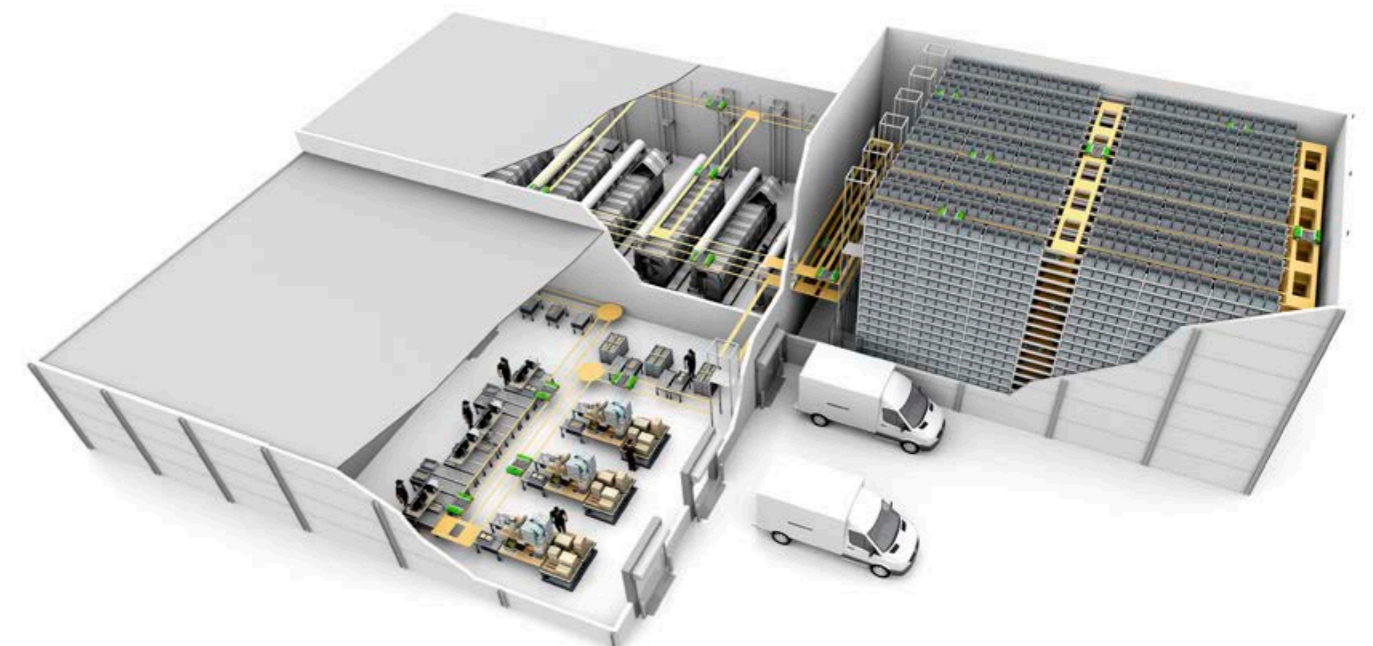


Maximum space efficiency

Convert unused space into valuable storage area

The MCrossDrive 3D is not restricted to a specific aisle or floor of a building and it can move freely both longitudinally, laterally and vertically. Directional changes of 90° are handled via an automatic axle change, and lifting stations enable different levels of racking to be accessed.

This means that, even in challenging spatial conditions, it is possible to implement variable and high-performance system solutions. The MCrossDrive 3D enables conversion of unused space into valuable storage space.





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