FULLY AUTOMATED TRANSPORT ROBOTICS
With our SMART MOVE series, we open up entirely new possibilities for the automation of your intralogistics processes. Transport tasks that you currently do manually with high personnel costs can be achieved much more efficiently and cost-effectively with SMART MOVE. It amortises very quickly. Let our experts advise you.

SMART MOVE L14 – 20
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FLEXIBILITY
The market-leading laser navigation system combines many technical advantages. Your benefit: They need no floor installations and can cover very large logistics areas. Furthermore, our hybrid technology offers ideal solutions for special requirements.

PERFORMANCE
A powerful 2.3 kW three-phase motor accelerates the SMART MOVE up to 1.6 m/s in automatic operation, while the 3.2 kW lift motor raises loads up to 4,000 mm high. The L20 can move loads up to 2000 kg safely. Thanks to the efficient EK AUTOMATION energy design, the SMART MOVE is ready to work 24 hours a day, 7 days a week.

INDUSTRY STANDARD
We equip our series Linde MH vehicles with proven industrial components, like AGV guidances from the world leader KOLLMORGEN and personnel safety laser scanners from SICK. This ensures a long life operation for such high-intensive applications. You will be provided with the AGV software as well in order to grant you an optimum of transparency and safety which leads to a long-lasting business relationship.

SAFETY
SMART MOVE gives you maximum safety and meets all requirements for personnel protection. Safety laser scanners on the front and rear side are part of the safety package as well as the lateral safety photo cells and the emergency NOT-STOP button which can be used from all sides.

SERVICE-FRIENDLINESS
With SMART MOVE you get a thoroughly proven, series production vehicle with well-known components which are available all over the world as well as maintenance free three-phase motors. The vehicle can be moved quickly and easily with the ergonomic drawbar, with full manual performance. A touchscreen operating panel gives you clear and valuable information regarding the vehicle’s status. If needed, our service team is available by remote connection around the clock.
**FLOOR LEVEL**

Move pallets and pallet boxes along the driving route simply and easily with SMART MOVE.

- Machine supply and removal
- Empty pallet handling
- Packaging material
- End-of-line palleting

**LINE STORAGE**

Supply your outgoing shipping overnight with SMART MOVE. We’ll buffer your pallets one after another as long as you want.

- Shipping supply
- Receiving removal
- Production buffer

**BLOCK STORAGE**

When you need it compact, we’ll put your stackable products in block storage and stack or unstack fully automatically.

- Shipping supply
- Receiving removal
- Production buffer
- Empty pallet supply

**SHELVING OPERATION**

Up and out with SMART MOVE. We’ll load and unload your shelves up to 4,000 mm high, including fully automated storage systems.

- Shuttle shelf systems
- Drive-in shelves
- Wide-aisle shelf systems
- Cantilever racking

**CONVEYOR TECHNOLOGY**

Fully automatic. We integrate with your interfaces and material flow process with flexible system architecture.

- High-bay storage
- End-of-line palletising
- Conveyor elements and lift tables
- Gravity roller tracks
ENERGY SYSTEM
SMART Move offers a customised energy system for your transportation needs – from a single shift to a continuous round-the-clock operation.
- Manual battery exchange
- Fully automated battery charging and intermittent charging
- LiION, NiCd, AGM or PbS batteries
- Fully automated battery exchange

OPERATION
Thanks to the low hinge drawbar, a perfect and intuitive handling in manual operation is granted:
- Operating drawbar with driving switch
- Graphic panel with vehicle information
- Start/Stop button on left and right of vehicle
- LED blinker and status display
- WLAN communication

PERSONNEL SAFETY
No compromises: full safety thanks to SICK safety scanners front and rear side in order to fulfill the European guidelines:
- Robust and strong protection of the high qualified safety scanners
- Lateral integrated safety photo cells
- Triple emergency NOT-STOP button
- SICK flexi-soft safety control
- Light scanners in fork tips
- Scanners for obstacle detection

LOAD HANDLING
Developed for heavy loads and continuous operation - a selection of lifting masts provides you with solutions for any task.
- 7 standard lifting masts, 3.2 kW three-phase motor
- L14 – L16, lifting heights, up to 4,000 mm
- L20 – lifting heights up to 3,400 mm
- Variable fork lengths
- Transport on fork tips

NAVIGATION
The SMART MOVE AC offers optional supplementary hybrid navigation technologies, e.g. the new CONTOUR NAVIGATION (environmental navigation) can be combined with the market-leading reflector supported laser navigation. Your advantages:
- Laser scanner range to 100 m
- Top precision
- Flexible layout design
- Minimal installation effort

ACCESSORIES
We’ll be glad to adapt SMART MOVE to your transportation task profile. We offer extensive accessories for the purpose:
- RFID reader or barcode scanner on-board
- Load hold-down, tipping protection for heavy loads
- Addl. scanners for obstacle recognition left, right and front
- WLAN camera
- Speech module
- Special colours*

* RAL special colours instead of red parts. Text and image reflect optional equipment.