



Automated Counterbalanced Narrow Aisle Forklift

R-MATIC

3,500 lb. Capacity

The Linde R-MATIC is the automated narrow aisle counterbalanced forklift specializing in high-level narrow aisle storage.

Automated Guided Forklifts [AGF's] are the future of efficient material flows. They mitigate labor market dependency, take over repetitive transport tasks, increase throughput volume, and reduce the error and accident rates in the warehouse. Linde Automation offers a wide range of cutting-edge automation solutions for pallet handling warehouse trucks from the MATIC series. All models are platformed on series manufactured trucks with integrated intelligent navigation, safety technology, and software.

- The Linde R-MATIC is a counter-balanced moving-mast narrow aisle truck designed to move loads up to 3,500 lbs with lifting capabilities up to 33 ft.
- It is frequently used in pallet storage applications of raw materials, packaging materials, work in process, and finished goods.
- R-Matic fleets are commonly used for multi-tier selective racking applications, block storage, gravity (FIFO) racking, and multi-deep shuttle racking (LIFO & FIFO).
- R-Matic systems can handle versatile load profiles and combine high lifting capabilities with the flexibility of handling diverse and complex applications.



LINDE R-MATIC

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|-----------------|--|--------------|--|
| Characteristics | Manufacturer | | LINDE |
| | Manufacturer's type designation | | R - Matic |
| | Power unit | | Battery |
| | Load capacity/Load | (lb) | 3,500 |
| | Mast Lift Height: typically | (ft) | 23 - 33 |
| | Overall size (LxW): | (in) | 102 x 56.7 |
| | Minimal operating aisle width with GMA pallet | (in) | 126-146 |
| | Standard battery Voltage/Rated Capacity | (V) (Ah) PbS | 48 / 465-775 |
| | Navigation | | Laser hybrid navigation |
| | Laser navigation scan height | (in) | 98 |
| | Lowered mast height | | Subject to application |
| | Max floor incline | | Subject to application |
| | Operation capability | | Automated + Manual auxiliary operation |
| | Travel speed | (mph) | 3.8 |
| Common options | Principal equipment compliance standards/norms | | ANSI B56.5 Part III Machinery Directive (CE) requirements ISO3691-4 standard |
| | Blue Spot | | |
| | Automatic opportunity charging | | |
| | Curtain scanner front and/or sides | | |
| | Pallet positioning scanner | | |

NAVIGATION LASER

USER INTERFACE

With screen or touchscreen

SENSOR BOARD

With sensors and controls for load detection, pallet positioning, precise parking, etc.

SECURITY LASER SCANNER

360-degree vehicle monitoring and protection of persons

AUTOMATION KIT

Steering unit receives driving orders from the control system

CONTROL LIGHTS

Display of vehicle movements

EMERGENCY STOPS

On each side of mast

SECURITY LASER SCANNER

Personnel detection and safety



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