

# MTA WHEEL DRIVE OMNI

Revolutionary Groundbreaking Trendsetting



# WHEEL DRIVES Omnidirectional Next generation

## Experience the future of drive technology

The innovative **next generation wheel and steering** drive from MTA sets new standards in performance and safety with its **fully integrated drive controller**. With a height of 203 mm and the smallest footprint, the omni-directional drive from MTA is the most compact in its class.

As part of a combination of several drive units, the drive can transport weights up to 2000 kg and has an endless rotating steering drive. The highest standards can be achieved through **safety functions such** as STO, SBC, SLS, SS1, SS2,... up to Performance

The drive system from MTA not only defines the next level of technology, but is also future-proof, even as standards become more stringent.

#### **Features**

- Highly integrated traction and steering drive, "smallest in its class"
- Transports loads up to 2,000 kg with the smallest footprint
- Endless rotating axis
- Integrated brake
- · Integrated drive controller with Safe Motion Functions STO, SBC, SLS, SS1,... via FSOE
- Simple wiring of all components via one hybrid cable

- Integrated redundant absolute encoder multi-turn capable - no wiring and no external end position sensors necessary
- Industry 4.0 ready data transfer via EtherCAT
- Drive manager with automatic controller tuning
- · Low system complexity leads to quicker
- Maintenance-free



## **Condition monitoring**

Our innovative system uses the power of **EtherCAT**, a state-of-the-art communications protocol, to ensure seamless and efficient data transfer.

diagnostics and implement advanced condition

monitoring. These functions allow you to identify potential problems early and maximise the availability of your AGV fleet.

This not only allows you to control and optimise your Our solution not only offers you improved control over drive systems in real time, but also to carry out your systems, but also greater reliability and efficiency in operation.

# MTA - Your partner for mobile robotics

**MTA** is a **trustworthy partner** that stands for the highest quality standards and comprehensive support in the development of your solutions! We are at your side from the first request to the final release test.

Our products are tested under the toughest conditions in a specially created infrastructure to

**ensure** that they meet the highest standards.

With our complete package from a single source we lead your project to success.



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