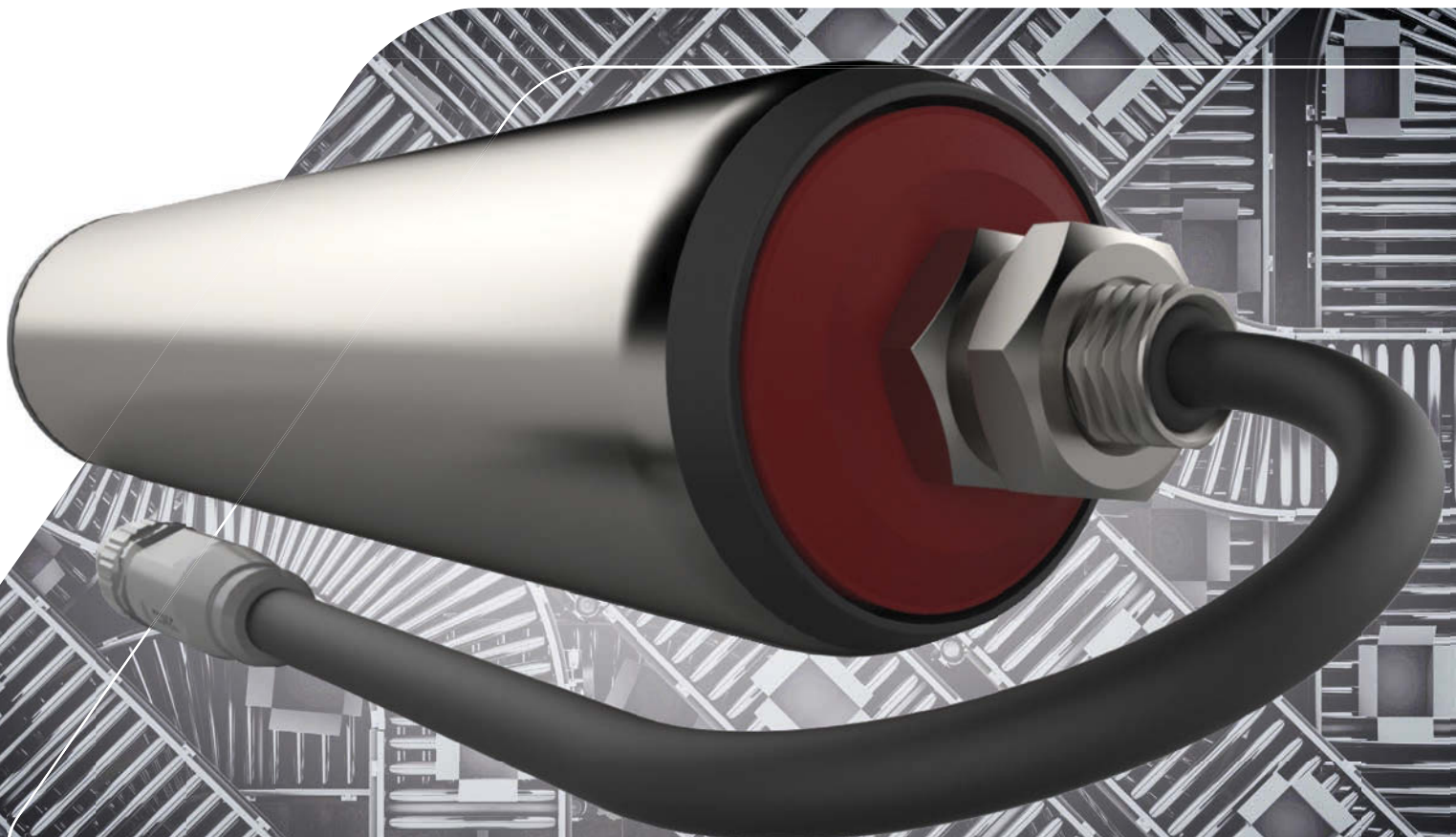


MTA
MOTORIZED
ROLLER
DIGITAL

MTA
innovation is our drive

***For the complete
digitalisation of your
conveyor system***



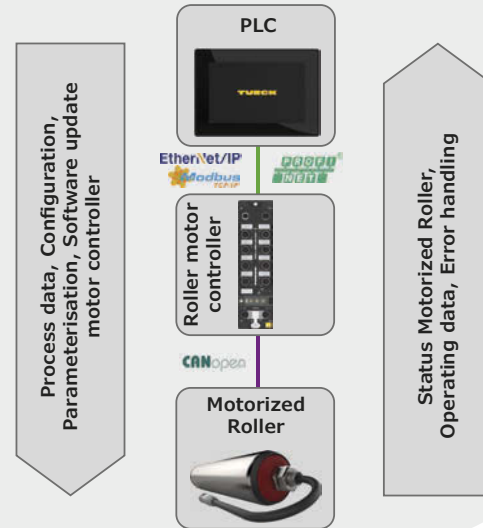
COMPLETE DIGITALISATION of the conveyor system

High system availability, no downtimes and maximum productivity are the most important factors in conveyor technology systems.

This is ensured by determining service data, analysing the components used during operation and predictive maintenance.

To meet these requirements, MTA has developed a motor roller with integrated electronics and a full CANopen interface for container conveyor technology.

In collaboration with Turck, a global partner for factory, process and logistics automation, a digitally fully networked and efficient automation solution for container conveyor technology has been created.



MTA Motorized Roller

This motorized roller has a gearless motor design and is durable, quiet and completely maintenance and wear-free. The energy-efficient drive system reduces emissions, ensures sustainability and protects the environment.

The area of application is the precise transport of packages and containers on accumulation routes with a container weight of up to 50 kg.

The individual adjustment of mechanical performance, clamping length, diameter and tube properties enables almost unlimited application possibilities in the area of stationary conveyor technology.



Power	23 W and 35 W
Motor controller	Integrated
CANopen interface	✓
Power supply	24 VDC and 48 VDC
Speed	0 - 1 m/s
Clamping length	170 - 1300 mm
Diameter	50 mm

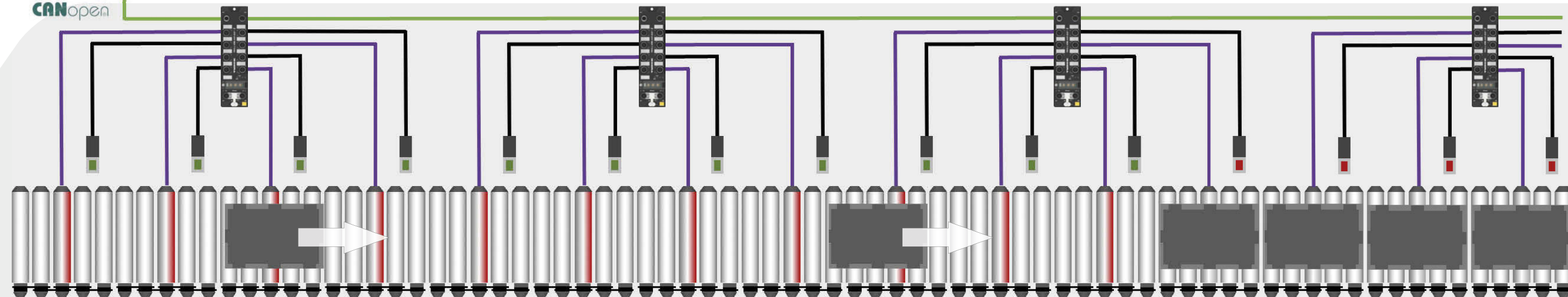
Turck roller motor controller with decentralised logic



The roller motor controller for four motor rollers and digital inputs and outputs brings logic directly into the system and also allows communication, parameterisation and software updates of the motorized rollers via Ethernet. Freely programmable, decentralised logic functions ensure flexibility and fast and efficient signal processing on site.



- PLC connection via multi-protocol (PROFINET, EtherNet/IP or Modbus TCP)
- Connection up to 4 motorized rollers
- Voltage V1 (24 VDC) and V2 (24 / 48 VDC) galvanically isolated
- 16 A via M12 Power
- 4x digital input and 4x digital in-/output
- Integrated web server for quick configuration
- decentralised logic functions

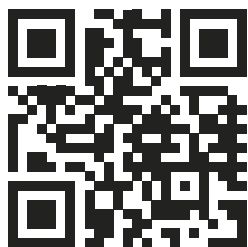


Programmable logistics functions

For accelerated commissioning, ZPA logistics functions (Zero Pressure Accumulation) can also be programmed in the Turck Field Logic Controller ARGEE, for example single infeed, single outfeed, block infeed, block outfeed or sleep awake mode.

The decentralised control concept of the roller motor controllers relieves the central PLC and ensures fast response times directly on site. The possibility of accessing analysis and service data in parallel via Modbus/TCP enables efficient condition monitoring and therefore predictive maintenance – without intervention in the control system.

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