



TRACKBOT
AUTONOMOUS
DATA-DRIVEN
ZERO-EMISSION



SOLUTIONS FOR A BETTER WORK ENVIRONMENT

Together with No Man Trackwork, AMT develops & manufactures intelligent machines that take physical and monotonous labor off your hands.

Thanks to smart technology, TRACKBOT works autonomously and quality is ensured. This innovative multipurpose machine is the new colleague in the rail construction industry.

SAFE, EFFICIENT & AUTONOMOUS

The TRACKBOT uses GPS, vision & lidar technology and supplied data. The TRACKBOT converts this into usable digital data for the robots. The TRACKBOT knows at all times what its work area looks like, what it should look like and what it is like after the work has been carried out.

The TRACKBOT is available in different configurations and is currently prepared for tasks such as:

- Collecting data; measuring and checking
- Fixing and loosening rail fasteners
- Drilling into the sleeper and rails
- Installing balises and axle counters

The modular technology allows TRACKBOTS to be connected to each other and to digital systems such as planning and management software.

Safe

The TRACKBOT reduces employees' exposure to physically demanding work, irregular working hours and hazardous working environments.

Efficient

The TRACKBOT is available 24/7 and operates emission-free due to its electric power train. The robot's production is predictable and delivers data directly after the job is done.

Autonomous

The TRACKBOT has been developed to work fully autonomously. This allows employees to be deployed more efficiently.



SPECIFICATIONS

TRACKBOT



Compact, completely emission-free and suitable for highly repetitive work.

- Driving manually or on GPS
- Scanning and digitising the work space
- Processing and logging data
- Equipped with 2 or 4 robots with fixed tools
- Assembling and dismantling rail fasteners
 - scanning and recognising
 - loosening and tightening fasteners
 - positioning clamp
- Optional rail / road
- Prepared for other jobs
- Compatible with other machines and systems
- Own weight approx. 3000kg

ERTMS TRACKBOT

Rail road robot for autonomous assembly. Zero emission, equipped with a operator post and a large exchangeable magazine for e.g. balises or axle counters

- Drive manually or on GPS
- Rail road vehicle
- Scanning and digitising the work space
- Processing and logging data
- Equipped with 3 robots with interchangeable tools:
 - Power drill for rail
 - Power drill for sleepers
 - Gripper for balises
 - Gripper for axle counters
 - Gripper for chemical anchors
 - Impact wrench with automatic torque limiter
 - Magnetic rot for steel chips
 - Vacuum unit for dust
- Operations
 - Drilling into the rail
 - Drilling into the sleepers
 - Inserting chemical anchors
 - Installation of balises
 - Wrenching to torque
 - Installation of axle counters
 - Wrenching to torque
 - Activation of balises
- Own weight approx. 9500kg
- Operating time approx. 12 hours on one battery charge

