

TUSK ES-S

**Automate pallet flow.
Without the complexity.**

Automate pallet and load-carrier transport across production and warehouse environments - ready to operate within one hour.



1,000 kg

PAYLOAD

≤1 hour

DEPLOYMENT TIME

360°

LASER COVERAGE

Remove pallet transport bottlenecks. Keep production moving.

TUSK ES-S enables operations teams to automate repetitive pallet and load-carrier transport without complex fixed infrastructure.

01 Deploy within one hour

Move from route configuration to autonomous transport with minimal disruption to existing operations.

02 Control tasks directly

A 10-inch HMI supports one-click execution of transport, pick-up and drop-off tasks.

03 Navigate flexibly

SLAM and DM-code navigation enable flexible routing across production and warehouse areas.

04 Operate independently

Simplify everyday pallet transport with a standalone solution—no fleet manager or network connection required.

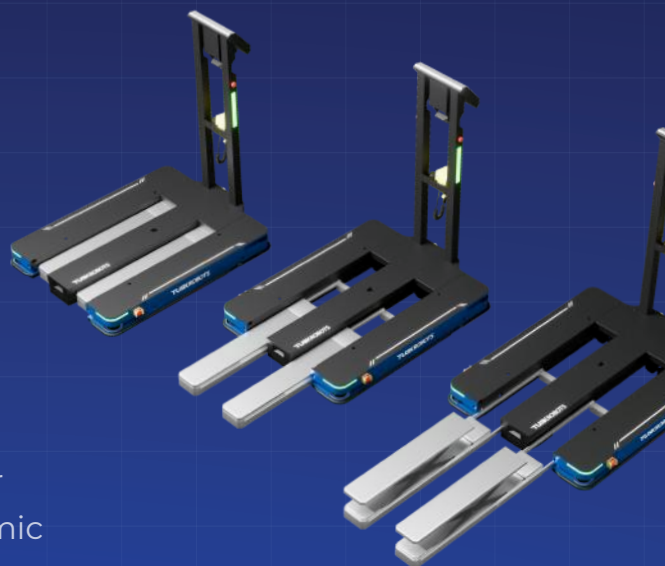


10-inch HMI

VISUALISED, INTUITIVE TASK CONTROL

Built for real operating conditions.

A compact footprint, dual navigation and 360° laser coverage enable reliable pallet movement in dynamic production and warehouse environments.



GENERAL SPECIFICATIONS

OPERATING MODE

Standalone

DIMENSIONS (L × W × H)

1,394 × 1,102 × 170 mm

MINIMUM TURNING WIDTH

1,800 mm

RATED LOAD CAPACITY

1,000 kg

HMI DISPLAY

10 inches

OPERATING TEMPERATURE RANGE

0 to +45 °C

NAVIGATION, SAFETY & PERFORMANCE

NAVIGATION TECHNOLOGY

SLAM + DM-code navigation

STOPPING ACCURACY

±20 mm / ±2°

TRAVEL SPEED (UNLOADED / LOADED)

2.0 / 1.8 m/s

GAP / MAXIMUM SLOPE / STEP CAPABILITY

40 mm / 4° (7%) / 15 mm

SAFETY LASER COVERAGE

360° via front and rear laser scanners

MAXIMUM LIFT HEIGHT

≤330 mm

LITHIUM BATTERY PERFORMANCE

≤8 h

BATTERY RUNTIME

≤2 h

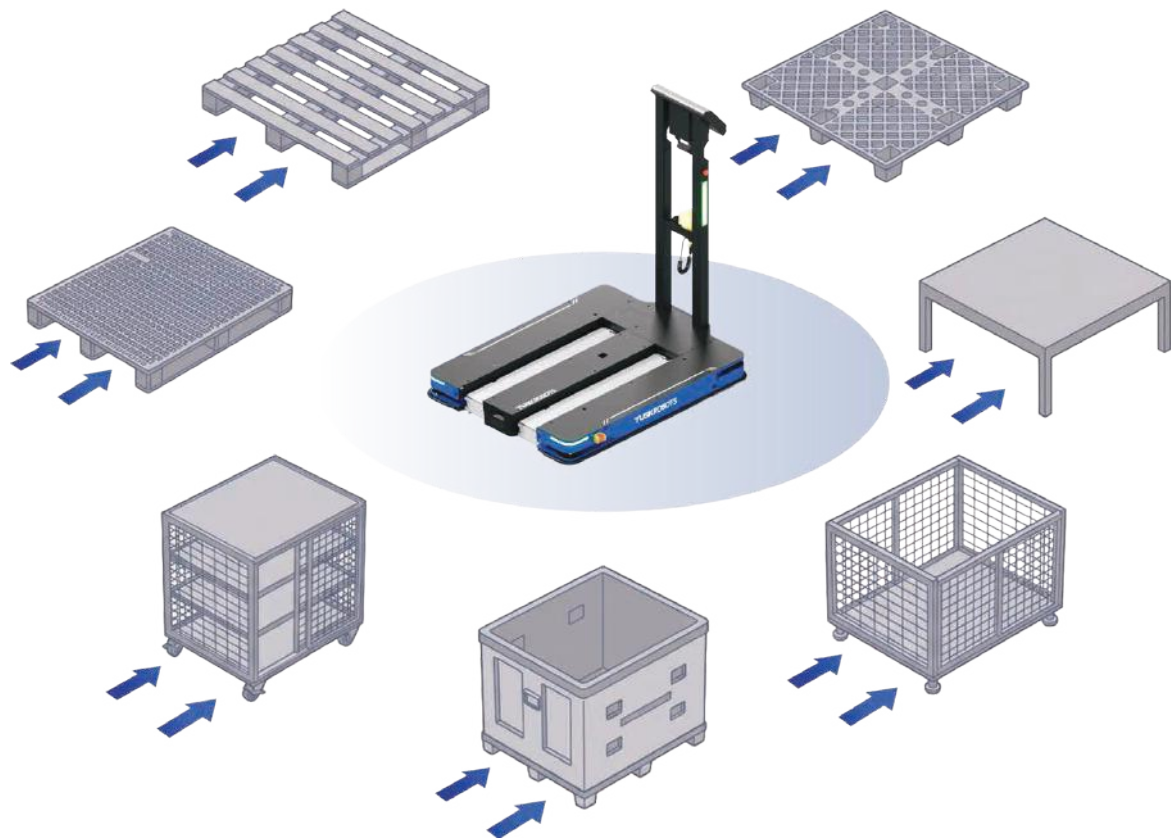
CHARGING TIME

1,500

FULL CHARGE CYCLES

One AMR. Multiple load-carrier types.

Designed for pallets, carts, cages and custom load carriers, TUSK ES-S automates transport using the equipment already in your operation.



Ready to automate your first transport route?

Tell us what you move, where it needs to go and where delays occur.
We'll help configure TUSK ES-S around your existing material flow.