

# TUSK ES-H

**Precise pallet handling.  
Ready for your fleet.**

Fleet-ready automation for pallets and load carriers with a 1,000 kg payload, dual navigation, VDA 5050 integration and 360° laser coverage.



**1,000 kg**

PAYLOAD

**VDA 5050**

FLEET INTEGRATION

**360°**

LASER COVERAGE

# Remove pallet transport bottlenecks. Keep production moving.

TUSK ES-H combines reliable pallet handling with fleet-ready integration, automating repetitive routes without complex infrastructure changes.

## 01 Enhance visibility and detection

The elevated safety tower improves vehicle visibility and adds an additional laser scanner for enhanced obstacle detection.

## 02 Handle demanding loads

Transport pallets and load carriers up to 1,000 kg with a 1,400 mm fork extension.

## 03 Start small and scale up

Automate individual pallet routes and scale to coordinated fleet operations through VDA 5050 integration.

## 04 Navigate safely and precisely

Dual navigation and  $\pm 20$  mm /  $\pm 2^\circ$  accuracy enable precise handovers, while 360° laser detection and PLd-rated safety support reliable operation.

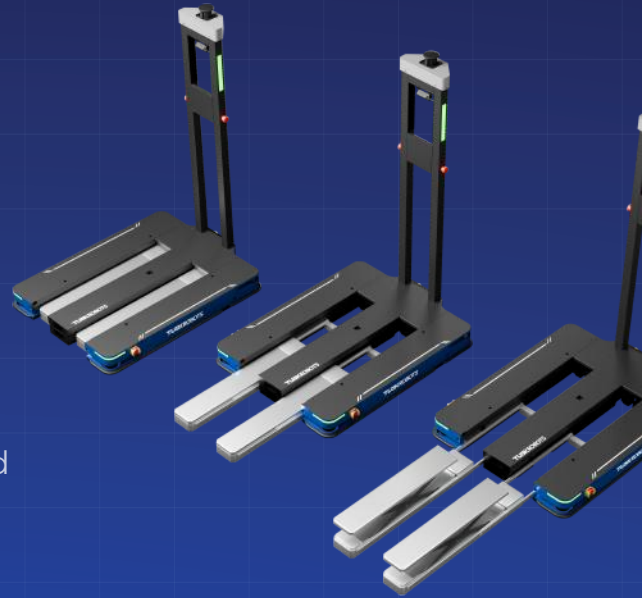


**PLd-rated safety**

ENGINEERED FOR 360° OBSTACLE PROTECTION

# Built for demanding pallet routes.

A compact 1,900 mm turning width, 1,000 kg payload and flexible lifting enable reliable pallet handling in demanding intralogistics environments.



## GENERAL SPECIFICATIONS

### VEHICLE WEIGHT

340 kg

### DIMENSIONS (L × W × H)

1,455 × 1,060 × 170 mm

### MINIMUM TURNING WIDTH

1,900 mm

### RATED LOAD CAPACITY

1,000 kg

### FORK REACH

1,400 mm

### 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)

1.5 / 1.2 m/s

### GAP / MAXIMUM SLOPE / STEP CAPABILITY

40 mm / 4° / 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**

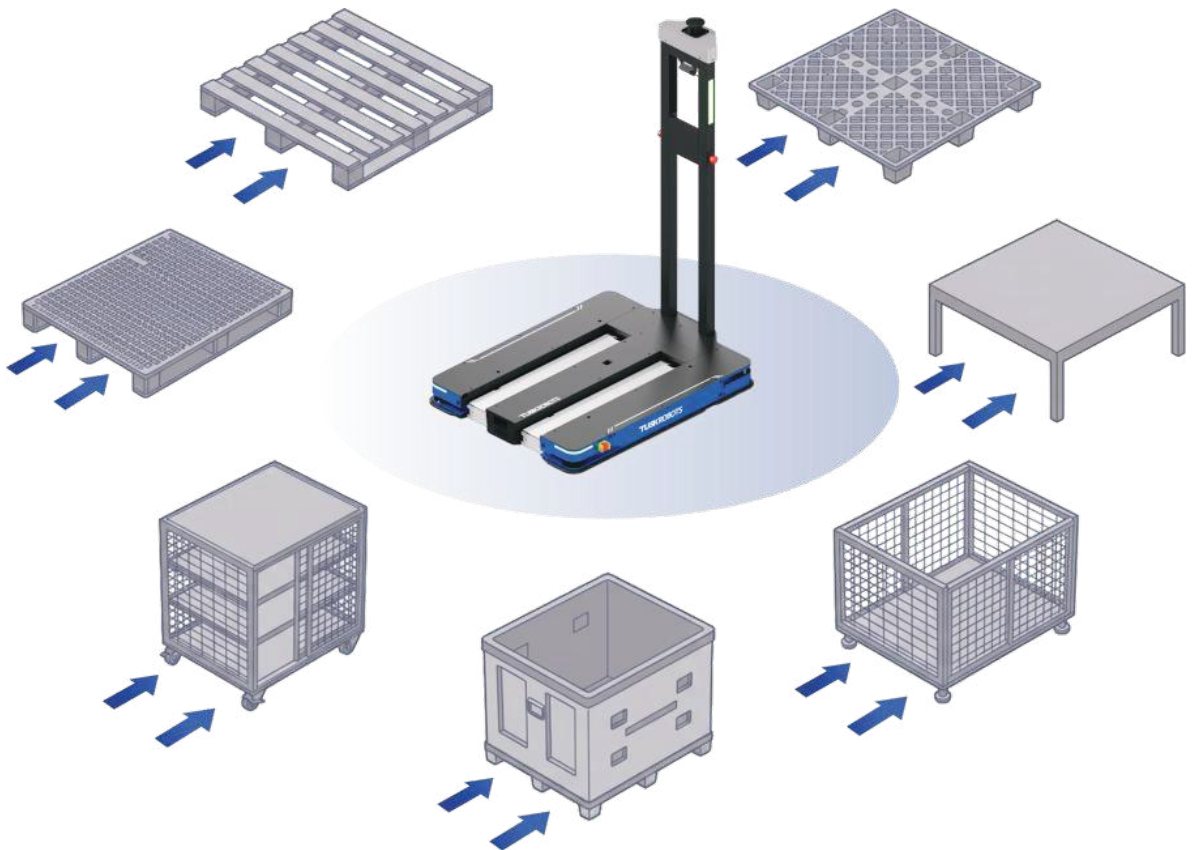
CHARGING TIME

**1,500**

FULL CHARGE CYCLES

# Built around the loads you already move.

With a 1,400 mm fork reach and a 1,000 kg load capacity, TUSK ES-H handles a wide range of pallets and logistics carriers with different entry configurations.



## Ready to automate your first transport route?

Tell us what you move, where it needs to go and what slows the process down. We will help define the right TUSK ES-H deployment for your operation.