

Buyer's Guide

PLATFORM TRANSPORTER

1. OUR PRODUCTS



**RIDE - ON PLATFORM
TRANSPORTER**



**PLATFORM TRANSPORTER
WITH LIFT**



**FIXED PLATFORM
TRANSPORTER**

THE FINAL PAGE CONTAINS A LIST OF QUESTIONS FROM OUR ENGINEERING TEAM. PLEASE FEEL FREE TO FILL THEM OUT IN ADVANCE.



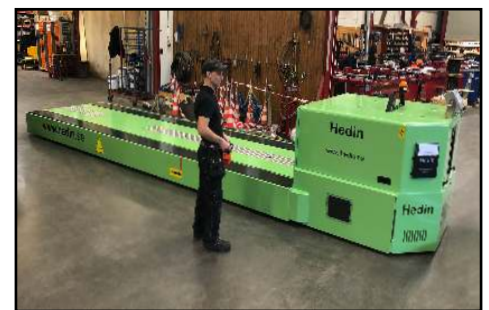
RIDE-ON TRANSPORTER

This transporter enables quick travel across large facilities with up to 265,000 lbs load capacity. It reduces travel time, minimizes operator fatigue, and features a secondary lift for flexible material handling.



PLATFORM TRANSPORTER WITH LIFT

The platform transporter has up to 250,000 lbs load capacity. It's designed with a secondary lift for lifting and transporting materials throughout a facility. It allows for various objects of multiple sizes to be transported.



FIXED PLATFORM TRANSPORTER

The fixed platform transporter handles up to 300,000 lbs but doesn't have a built-in lift. For clients with existing lifting equipment, it can be a more cost-effective option than models with integrated lifts.

NOTE: THE OVERALL SIZE OF THE TRANSPORTER CAN BE CUSTOMIZED TO SUIT THE OPERATIONAL ENVIRONMENT OR TAILORED TO MEET THE CLIENT'S SPECIFIC REQUIREMENTS.

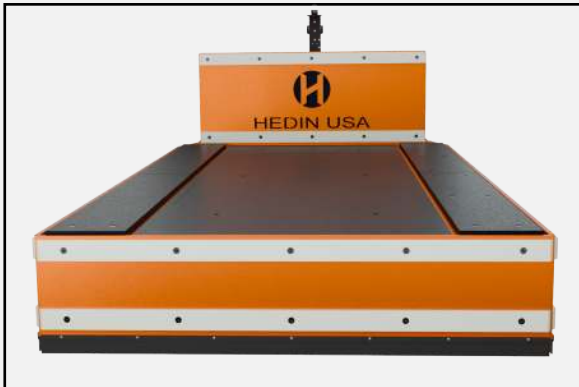
2A. LIFTING CAPABILITIES



An integrated lifting mechanism significantly improves the ease and safety of material handling while eliminating the need for external lifting equipment.

During operation, a controlled gap is maintained between the bottom of the product and the platform, serving as a protective buffer that prevents unwanted contact and reduces the risk of damage to both the product and the machine. Once the platform is precisely positioned beneath the product, a secondary lifting mechanism activates to gently lift and transport the product to its designated location.

The standard stroke range of our machines varies between 2 and 4 inches.



2B. OPTIONAL AGV NAVIGATION

NAVIGATION

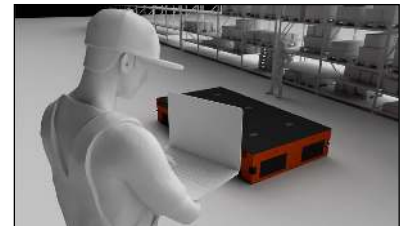
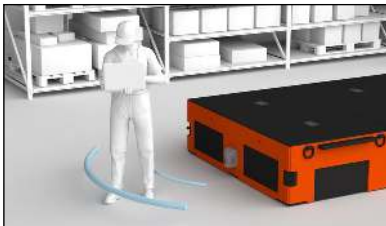
The right navigation type is based on your facility layout. Navigation types include reflector, natural, magnetic bar, magnetic spot, and QR code navigation, to move vehicles along predefined routes.

INTEGRATION

AGVs can be integrated into the manufacturing environment to interact with other systems. They can pick up and transport materials while interfacing with other machinery and personnel.

SOFTWARE/PROGRAMMING

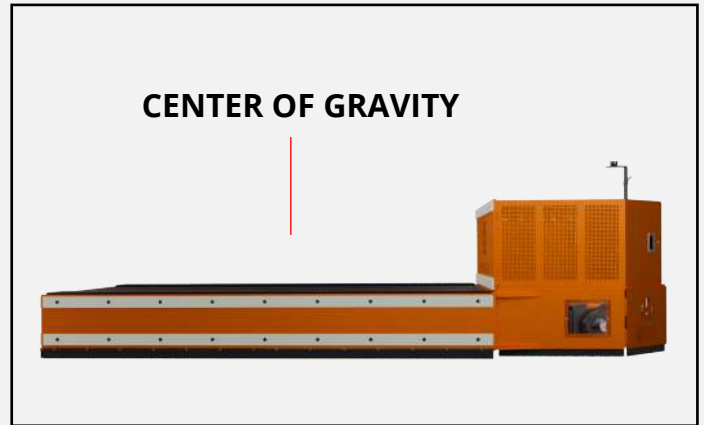
Our AGV software suite offers comprehensive tools for designing paths, monitoring diagnostics, and managing vehicle operations. We can help you create your path and integrate AGVs into your facility.



3A. LOAD PLACEMENT

For platform transporters equipped with a lifting mechanism, position the platform beneath the product or pallet so that the center of gravity (CG) extends slightly beyond the center of the platform. This ensures that the majority of the load is transferred to the idler wheels, with a portion directed to the drive wheel, optimizing traction between the wheels and the floor.

For platform transporters not equipped with a lifting mechanism, an external crane is used to place the product onto the platform. Ensure the product is positioned approximately at the center of the platform to maintain balance and stability.



3B. MAINTENANCE

Regular maintenance of the platform transporter is important to keep it running safely and efficiently. Use the checklist below to inspect key parts and make sure everything is working properly.

Inspect the following every 6 months:

CHECK HYDRAULIC LINES, FITTINGS, AND VALVES

Look for any leaks or damage in the hydraulic lines. Make sure all fittings and valves are tight and in good condition.

INSPECT ELECTRICAL PARTS

Check wires and connectors for any loose connections or damage. Replace anything that looks worn or broken.

TIGHTEN ALL BOLTS AND FASTENERS

Make sure all nuts, bolts, and screws are secure. Tighten anything that feels loose.

CLEAN OR REPLACE HYDRAULIC OIL FILTER

Take out the hydraulic oil filter and clean it if it's reusable. If not, put in a new one.

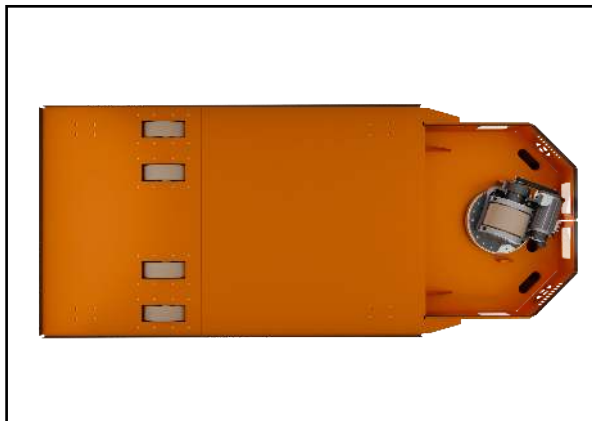
SAFETY FEATURE TESTING

EMERGENCY STOP FUNCTION

Test emergency stop button regularly to confirm full shutdown.

WHEEL INSPECTION DRIVE BEARINGS

Should be lubricated as recommended by the manufacturer.



4A. SAFETY FEATURES



Emergency Stop Button

Each transporter has emergency stop buttons for quick shutdown during emergencies, ensuring safe transport and loading.



Indicator Lights

Flashing lights turn on when the transporter is moving, alerting nearby personnel and helping prevent accidents.



Horn (Audible Alarm)

A loud horn activates when the transporter is in motion or during error states, providing an additional layer of audible warning.



TIE DOWN POINTS

Available mounting points that can be used to securely hold and stabilize the product during use, preventing shifting or damage.

4B. COMPONENTS



REMOTE CONTROL

The remote allows operators to move and adjust the transporter from a safe distance, providing greater control during operation.



LITHIUM ION BATTERY

Lithium-ion batteries are rechargeable power sources known for storing a large amount of energy in a compact size.



ACCESS HATCH

Doors or removable panels allow access to key components of the unit for inspection, maintenance, or troubleshooting



DRIVE

Omni-directional drive allow the transporter to move in any direction for easy maneuverability in tight spaces.

CONTACT SUPPORT

For spare parts, visit the Align Store or contact us at support@alignprod.com for support or any other inquiries.

support@alignprod.com

www.alignprod.store





APPLICATION FORM PLATFORM TRANSPORTER

www.alignprod.com



www.alignproductionsystems.com/request-a-quote/

THIS SHEET IS OPTIONAL, BUT OUR TEAM WILL ASK THESE AND OTHER QUESTIONS TO BETTER UNDERSTAND YOUR PROJECT. PLEASE ANSWER TO THE BEST OF YOUR ABILITY, AS SOME RESPONSES MAY AFFECT OTHERS. OUR TEAM WILL HELP YOU WORK THROUGH IT.

PRIMARY CONTACT INFORMATION:

Name: _____
Company: _____
Address: _____
Phone: _____
Email: _____

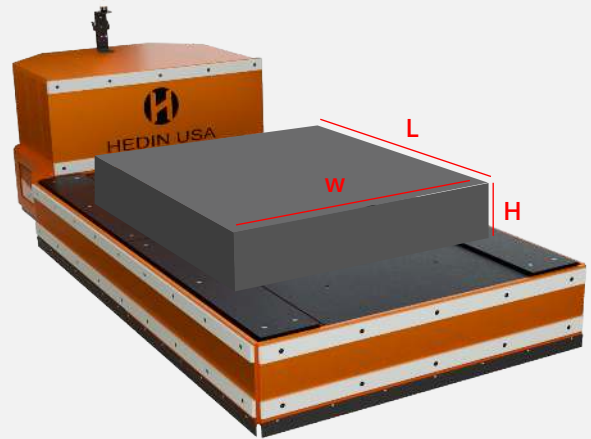
PROJECT DESCRIPTION:

Size of load: L _____ W _____ H _____

Weight of load: _____

Inner width and underside clearance:

L _____ W _____ H _____



Load distribution: (Is Center of Gravity Feature Centered or Offset) _____

Type of load: _____

How is it loaded onto transporter:

☐ Crane ☐ Forked ☐ Transporter self-loads using lift deck ☐ Other: _____

Transporter Vertical Lift Required: ☐ Yes ☐ No

Size of Pallet (if transporter is interfacing customer pallet): _____

Doorway Restrictions: (List smallest doorway width and height)

Length: _____ Width: _____

Travel Distance: _____

Where Used: ☐ Indoor only ☐ Outdoor only ☐ Indoor and Outdoor