

Buyer's Guide

PALLET TRANSPORTER

1. OUR PRODUCTS



**120,000 LB CAPACITY
PALLET TRANSPORTER**



**80,000 LB CAPACITY
PALLET TRANSPORTER**



**50,000 LB CAPACITY
PALLET TRANSPORTER**

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



PALLET TRANSPORTER WITH LIFTING CAPABILITIES

Our standard pallet transporter design includes a built in lifting mechanism. The height of the pontoon from the ground is carefully designed to provide sufficient clearance.



FIXED HEIGHT PALLET TRANSPORTER

This custom design was developed based on the client's request to exclude the lifting mechanism. The exact height is less critical, as external lifting equipment is typically used to place the product onto the transporter.



RIDE-ON PALLET TRANSPORTER

By allowing operators to cover long distances more efficiently, the ride-on feature enhances productivity, particularly in expansive facilities. It also contributes to time savings and reduces physical strain during demanding shifts.

2A. LIFTING CAPABILITIES



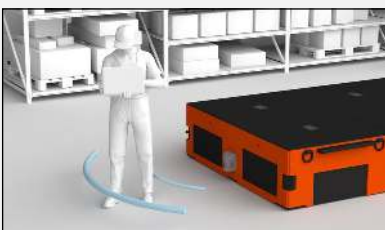
The pontoon of the pallet transporter will be inserted into the fork pocket, and once correctly aligned, the lift will be engaged to secure the client's product for transport.

The maximum 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.



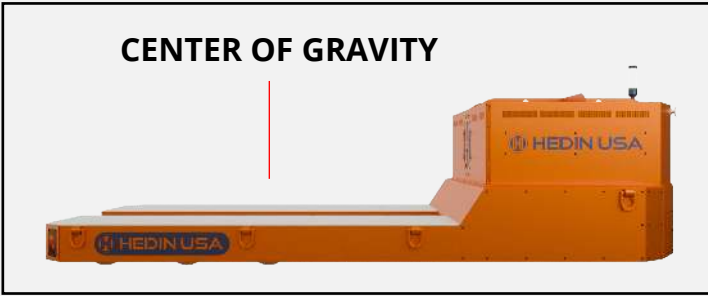
SOFTWARE/PROGRAMMING

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

CENTER OF GRAVITY



For pallet transporters with a built in lift, position the pontoon so the load's CENTER OF GRAVITY slightly exceeds its center, directing most weight to the idler wheel and improving traction.

Without a built in lift, use a crane to place the load near the fork center for balance and stability.

3B. MAINTENANCE

Regular maintenance of the pallet 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.

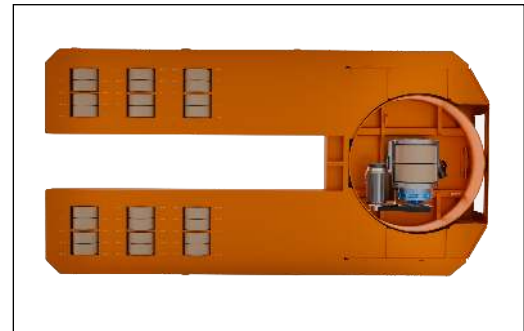
SAFETY FEATURE TESTING

EMERGENCY STOP FUNCTION

Test emergency stop button regularly to confirm full shutdown.

WHEEL INSPECTION DRIVE BEARINGS

Should be lubricated as recommended by the manufacturer.





APPLICATION FORM PALLET TRANSPORTER

www.alignprod.com



www.alignprod.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: _____

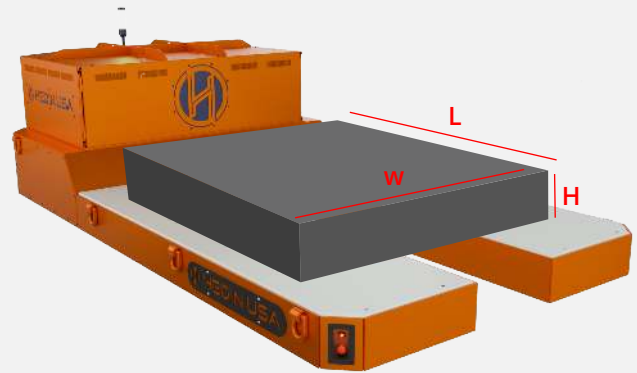
PROJECT DESCRIPTION:

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

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

