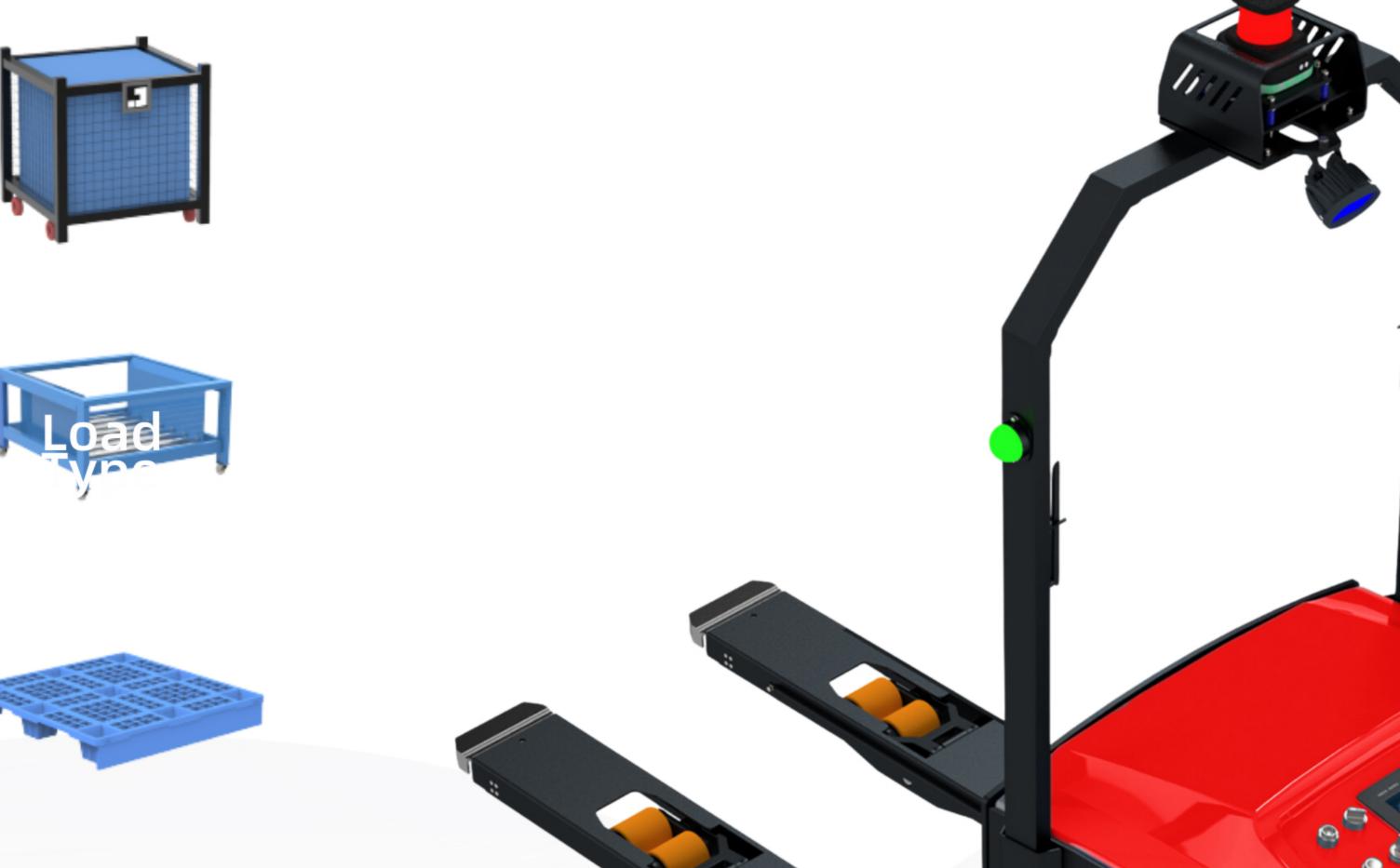
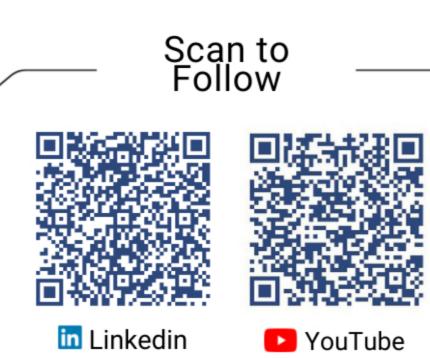
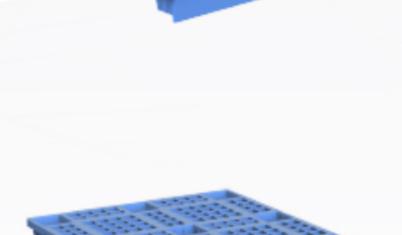
Laser SLAM Autonomous Pallet Truck

MOVE-IT-4K

Transformers, fearless of pallet types













Compatible with Closed Pallets for Superior Versatility

Compatible with both closed and open pallets, unfazed by pallet types, offering flexible and seamless material handling solutions. Proficient in climbing slopes, overcoming obstacles, navigating elevators, mastering every task.



360° Field of View, Comprehensive Safety Protection

Supports a maximum scanning range of 360°; equipped with 3D safety obstacle avoidance lasers, distance sensors, hardware self-checks, and other multiple safety protections.



Tel: (800)-346-5088

Flexible Customization with 4 Options

Supports customization of fork width, robot height, color and logo. Tailor-made to meet the diverse requirements of your unique business scenarios.



Al Deep Learning, Improved Recognition **Ability**

It boasts the capability to recognize pallets and racks in different colors and sizes with unparalleled precision and adaptability from multiple angles. Experience seamless and stable handling and transfer of goods.



4 Navigation Options, Accuracy up to ±10 mm

Harnessing the power of SLAM, QR cpde, reflector, and NFL navigation modes, offering a remarkable ±10 mm positioning accuracy, it effortlessly caters to diverse business navigation needs, including secondary positioning, high dynamic environments, and non-modified environments.

E-mail: info@palletshuttle.com Web: palletshuttle.com

Parameter Specification

Basic parameters

Product name

Navigation type

Standard

Laser SLAM Autonomous Pallet

by manual control device

O Optional

Powering method Truck Operation type

Electric

Automatic navigation,

Laser SLAM Pallet type

Rated load capacity Open pallet / Closed pallet

Load center distance 2000 kg Weight (with battery) 600 mm Standard lifting height 560 kg Fork surface ground clearance 200 mm (at the lowest position) 110±5 mm

Navigation laser scanning height

Forklift dimensions: L x W x H 2000 mm

Fork dimensions: L x W x H 2004 x 983 x 2035 mm Fork outer width 1220 x 180 x 55 mm Right-angle stacking aisle width, 550 / 600 / 680 mm 2253+200 mm pallet 1000×1000

(1000 placed along the fork)

Minimum turning radius

Ambient temperature 1619 mm

and humidity range TEMP: 0°C to 50°C / RH: 10% to 90%,

IP rating no compression, no condensation

IP20

Performance parameters

Driving speed: full load / no load 1.2 / 1.4 m/s

Passability (slope / step / gap) < 5% / 10 mm / 30 mm

Navigation position accuracy ±10 mm Navigation angle accuracy ±1°

Battery parameters

24V/210 Ah Battery specifications (lithium iron Comprehensive battery life Charging time (10% to 80%) phosphate) Charging method 2 h

Manual / Automatic

Function configurations

Lidar number	1 (FREE H1 / P+F R2000-25M)
	+2 (FREE C2)
Wi-Fi roaming	
3D obstacle avoidance	0
Pallet recognition	0
Cage stack	0
High shelf pallet	0
recognition	0
Pallet stack	

Safety configurations

E-stop button Sound and light indicator

Braking distance: 1 m/s / 1.5

cm

≤30 cm / ≤50

Fork height protection

Certifications

m/s

HMI display

EMC UN38.3



