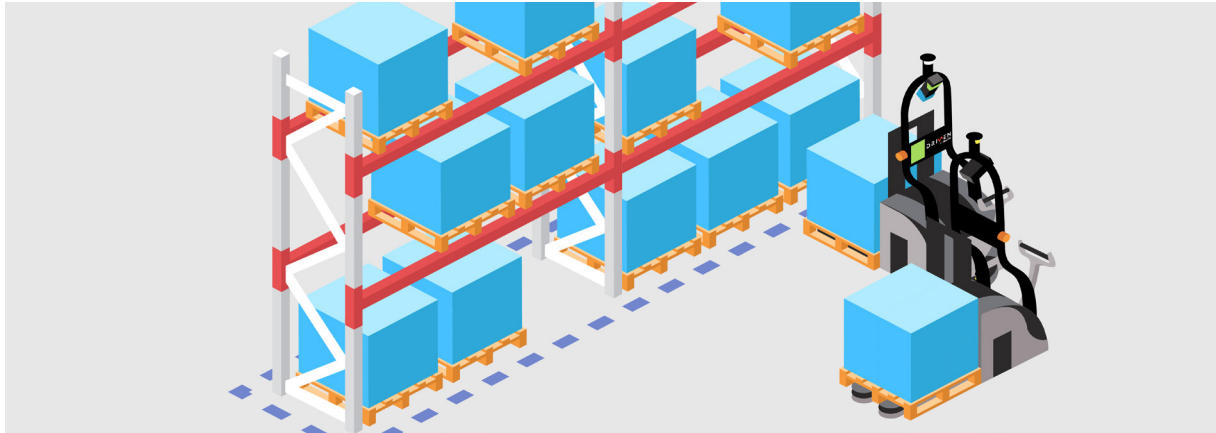


STANDARD RACKING



FOCUS

With an ever-increasing demand, warehouses face a huge challenge of stacking/stocking loads and maximizing the storage space, especially in regions where cost per square meter is high.

The most common form of stacking is a standard racking. This type of rack is used when there is a relatively higher number of pallets per SKU and requires complete access to each individual pallet. Compared to block stacking, it can be configured in a number of ways, which are managed by WMS.

A relatively lower warehouse optimization and storage density means that the racking operations can be complex, especially for manually operated trucks, as operators have to be careful (particularly at heights) in storing and retrieving pallets. This takes a toll on operational efficiency.

With a driven by BALYO robots, companies can deploy robots to handle the task of storing and retrieving pallets from the racks with high precision and efficiency.

SOLUTION

WMS Interface: An example would be a pallet of finished goods that needs to be stored in high racks as buffer before shipping. BALYO robots can interface with the WMS/ERP and be tasked with a mission to store the pallet onto the designated rack. Using a 3D Camera, the BALYO robot also checks for free space before placing the pallet on the rack, thus providing a secure and efficient operation.

STANDARD RACKING SPECIFICS

50%

Warehouse Optimization

LOW

Density

LOW

Homogeneity of load

HIGH

Handling Rotation



WHY BALYO ?

LOCAL AND GLOBAL SUPPORT

BALYO has partnered with different OEMs to produce a world class product. Any truck with Driven by BALYO technology is a fully integrated product in full partnership with the OEM. There are no aftermarket adaptations. What does this mean ? Any robots purchased are fully supported by the OEM dealership network with local tech support and local spare parts

NO INFRASTRUCTURE

Driven by BALYO robots require no additional infrastructure. This means no reflectors, no magnets or wires in the ground. BALYO technology allows the robots to navigate and drive within an existing facility without any other considerations outside of safety.

DUAL MODE

The BALYO robotic solution is a standard truck that has been built to be autonomous. This means that it can be used in manual mode as well as autonomous mode. Any operator (if the client allows for it) can take control of the robotic lift truck for any purpose.

OTHER VERTICAL APPLICATION BOOKLET AVAILABLE



Block Stacking