

# THE DIGITALIZED SUPPLY CHAIN MEETING THE DEMANDS OF A FAST-CHANGING WORLD

## ASSISTED PICKING ROBOTS

Assisted Picking Robots can display images of goods to be picked, self-learn and calculate optimal navigation routes. They also help reduce time spent on maneuvering pushcarts/forklifts and increase picking efficiency.



### WHAT DO THEY DO?

Assisted Picking Robots:

**Bin Focus** – The robots are integrated with the Warehouse Management System. They can navigate their way to the picking location and display information on the item to be picked by the operator. Once the item has been placed in the bin the robots autonomously drive off to the next target location. Bin Focus Robots also come with “machine-learning” capabilities to calculate the most efficient travel route.

**Pallet Focus** – The robots are initially steered to the picking location where the operator steps off and activates the “follow-me” mode to follow him through the aisles. This allows the operator to pick items without interrupting the picking process (e.g. operating forklifts or pushing carts).

### WHAT DOES IT MEAN FOR OUR BUSINESS?

**Bin Focus** – Eliminate a step in the manual picking process (transporting picked goods to packing) allowing operators to resume their activities while the picked items are transported to the packing area. A clear reduction of “picking cycle” time and a definite productivity booster.

**Pallet Focus** – Replace manually driven forklifts and pushcarts.



They are ideal for transporting bulky, heavier items and can easily be combined with new interaction devices like Voice Picking. Their sheer size allows operators to stack boxes and the follow-me mode saves time as operators don't need to step on, drive and step off the vehicle anymore between goods picked. This technology increases the picking rate and reduces occupational hazards.

## WHAT ARE THE BENEFITS?

**Bin Focus** – By taking over the task of transporting picked goods, autonomous Bin Focus Robots will immensely improve productivity by reducing travel time and optimizing the picking flow. As they will replace unwieldy trolleys that need to be manually pushed, they will also lower physical strain without compromising on safety.

**Pallet Focus** – The Pallet Focus Robots replace manual carts and forklifts and eliminate the strenuous task of pushing, pulling, stopping and driving. The Robots are equipped with obstacle-detection sensors to prevent occupational hazards, which is a clear safety benefit.

### FOR FURTHER INFORMATION

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