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PHOTONEO ANYPICK MODULE

Depalletization software

VC-SWDP-BOX00
AnyPick module for Boxes (Depalletization)



- AI-Powered Efficiency: Utilizes a robust AI neural network to automate the unloading of randomly stacked boxes from pallets, enhancing speed and reliability in logistics operations.
- Versatile Object Handling: Capable of recognizing and processing various goods, including bags, bottles, and beyond, thanks to its flexible AI-learning engine.
- Seamless Integration: Offers a modular design that allows for stand-alone vision solutions or upgrades to include robotics and path planning, ensuring easy deployment in diverse operational environments.

PRODUCT DESCRIPTION

Robotic manufacturing lines are designed to convert components and materials into finished products. While these systems excel in output efficiency, the initial preparation of materials remains costly. There are a few options available: either an operator manually places a metal sheet on static fixtures before feeding it into machines capable of handling a specific type of material, or the alternative is to pay a supplier to provide pre-stacked patterns. This is where the concept of vision-guided robotics set a new standard.

The Bin Picking system is capable of processing objects made from a variety of materials that are randomly scattered. It's a system equipped to handle materials that are haphazardly placed in disorganized bins and feed them into the manufacturing production line. This is achieved through a precise 3D vision system that can identify various types of objects, coupled with intelligent robotic systems that safely guide the extraction of these objects.