



## Pick & Pack Optimization

Optimize your Pick & Pack process with Intelligent Vision leveraging Camera & Vision Analytics

Automating & Optimizing your warehouse operations is no easy task. TechVision+ helps organisations from the moment a package is received and throughout the value chain of its lifecycle in the warehouse and transport.



Picking consumes as much as 55 % of the total warehouse operating expense.

### FEATURES

- Item/Box Detection & Counting.
- Camera Focus Restricted to Handling Area.
- Automated Identification of Products & Quantities by moving through a Detection Zone.
- Barcode Reading, Text Recognition & Object Identification.
- Automated Comparison of Items Scanned with Packaging List & Real - Time Confirmation.
- Calculate Box Dimensions for Package Optimization.
- Visualization of 3D Packing Schema to Aid in Packaging.
- Storage of Images for Post Visual Verification and Analysis.

### BENEFITS

- ✓ Faster pick and pack process.
- ✓ Cost savings from package optimization.
- ✓ Increased Revenue with Same or Less Resources.
- ✓ Decreases Returns for Customers.

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## Process Flow



Detection Zone Setup

- Setup Camera & Table
- Place Measurement Mat
- Setup Display Monitor
- Place Digital Weigh Scale under Mat ( as needed )



Get Pick List

- Get Pick List
- Collect Items in a Box/Container



Item Detection

- Bring Item to Detection Zone
- Automatic Recognition
- Automatic comparison with Pick List & Confirmation
- Flag Wrong Product



Capture Dimenisons  
& Weight

- Auto Calculation of Box Dimensions
- Capture Weigh from Digital Weigh Scal or from Product Data



Collect Items from  
Packaging

- Place Item in Box/Container
- Remove Item from Pick List and Add to Packed List



Packaging based on  
Sequence Outline

- Packaging Sequence based on AI model and Box Weight and Dimenisons for Optmial Packaging
- Place Items in Box/Package as per Recommended Sequence

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