

# Optimizing Layer Picking Efficiency for a Large Global Company

A Tryon Solutions Success Story



Reduced  
manual labor  
layer picking by

70%

## Challenge

A large global company needed to optimize their automated layer picker by integrating it seamlessly with Blue Yonder WMS and Robotics Hub. The challenge was ensuring smooth communication between systems and identifying layer-picking opportunities to maximize efficiency.

## Approach

Tryon Solutions led the integration effort by developing API endpoints that bridged the gap between the Blue Yonder Robotics Hub and the vendor system. The team focused on creating a seamless data exchange to identify layer picking opportunities and enhance automation efficiency.

## Execution

**Integration & Testing:** Tryon Solutions utilized API simulation software and webhooks to test API endpoints ahead of vendor testing, ensuring smooth communication with the Robotics Hub.  
**Custom Reporting:** A 24-hour lookahead report was developed, aggregating data from multiple orders to identify layer-picking opportunities.

**Pick Face Management:** Tryon Solutions built a pick face manager tool, enabling on-screen replenishment triggers and real-time assignment of pick faces.

## Results

*The solution was able to reduce manual labor layer picking by 70%.* Seamless integration and rigorous testing ensured a smooth implementation, while improved reporting provided better visibility and decision-making. The system also enabled continuous optimization by identifying missed opportunities for further improvement.

## Conclusion

With Tryon Solutions' expertise in system integration and automation, the company achieved seamless execution, maximizing their robotics investment. Committed to continuous improvement, Tryon Solutions is now developing an automated solution to further boost efficiency by removing the manual management of pick faces for less frequently layer-picked items.