

BASTIAN SOLUTIONS PRESENTS

ROBOTIC PIECE PICKING SOLUTIONS

Transform warehouse operations to achieve **smarter, more accurate, 24/7 order fulfillment with piece picking robotic solutions** carefully integrated to support existing workflows and flexible enough to easily grow for future business volume, products, seasonality and new functions.

OUT-OF-THE-BOX FUNCTIONALITY



REDUCES LABOR COST PER UNIT

INTEGRATED ROBOTIC BIN PICKING

Picking individual products from workstation ports and placing them into totes, cases, or downstream material handling equipment and value-added services.



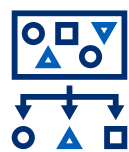
24/7 automated operation



Accommodates new product integration



Works with goods to person, vertical storage systems, AS/RS workstations



Induction and Sortation

Isolating mixed products from induction point and placing them on take away conveyors or sorters.



Put Wall and Buffering

Singulating products or totes from an infeed point and placing them into specific bins or storage racking for further processing.

Robotic Automation Impact

- 75% growth in number of warehouses globally by 2027
- 7% growth in static manipulation roles by 2030

> INTERACT ANALYSIS, 2023 ROBOTIC PICKING REPORT

INTEGRATION

A one-size-fits-all approach in technology application, especially in system integration, will leave productivity gains on the table and deliver a sub-optimal solution. Tight robotic and software integration is crucial.

Confirm the right solution:

- 1 Scalable and flexible for new capabilities and functionality**
- 2 Future proof solution**
- 3 Stretch your investment**
- 4 Easily adjust to labor availability and function needs**



Software

- Whole system communication & visibility – WES and AI software integration
- Continuous learning programming for improved picking accuracy
- Tailored integration to maximize entire automated solutions, from AS/RS to EoAT



Machine Design

It's important to consider the products being handled when designing the EoAT and robotic cell configuration. This careful planning ensures the system acts and learns in a way that supports your operations.



Product Confirmation



End of Arm Tool (EoAT) Interfaces



Secure Product Handling Tests

Once robotic capabilities are incorporated, adding a new product to the production list becomes a simple process that takes minimal effort.

For operations recalibrating to accommodate ecommerce order profiles, robotic bin picking is especially advantageous.

Bastian Solutions SmartPick™ reimagines order fulfillment with artificial intelligence and robotic technology.

Bastian

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a TOYOTA ADVANCED LOGISTICS company