Mixed load palletizing is the stacking of multiple SKUs on a pallet to maximize pallet density. Loads can be comprised of homogeneous layers of any single SKU, or even mixed SKUs within a layer. This technology has exciting implications for the distribution industry where an organization is shipping a variety of SKUs for each order that may not comprise a full pallet load.

Mixed load palletizing allows for optimization of end-of-line automation. This technology also automates the building of rainbow pallets. These pallets can be used as-shipped for end of aisle displays, with either columns or layers of SKUs. Bastian can provide a turn-key integration with both traditional equipment as well as custom tooling, controls, and software.

Building mixed pallets manually leads to high employee turnover, high worker compensation claims and order inaccuracy. These problems can be eliminated with a mixed pallet building system.

**benefits**

- Allows for diverse, demand driven pallet loads
- Custom solution to automating a traditionally manual operation
- Increased efficiency in palletization
- High uptime
- Increased order accuracy
- Increased capacity and flexibility
- High density pallet loads
- Reduced labor costs
- Improved ergonomics
- Meets RIA and ANSI safety requirements
specifications

- Advanced software allows for optimization of the pick sequence for order fulfilment
- End of arm tools use one or a combination of vacuum, clamping, forks, or stripper plate
- Customized end of arm tools are optimally crafted to your specific requirements
- Large, heavy products are placed on the bottom of the pallet while small, lightweight products are placed on the top of the load

applications

- Planned Palletizing - robot on a rail, picking from various locations
- Random Palletizing - single or multiple product infeeds, build pallet as product is received
- Used in applications where mixed loads are most common
- Creates display pallets for retail industry
- Typical industries include grocery and retail

Interested in implementing mixed load robotic palletizing in your facility or simply want to know more about it? Please contact us today for additional information.