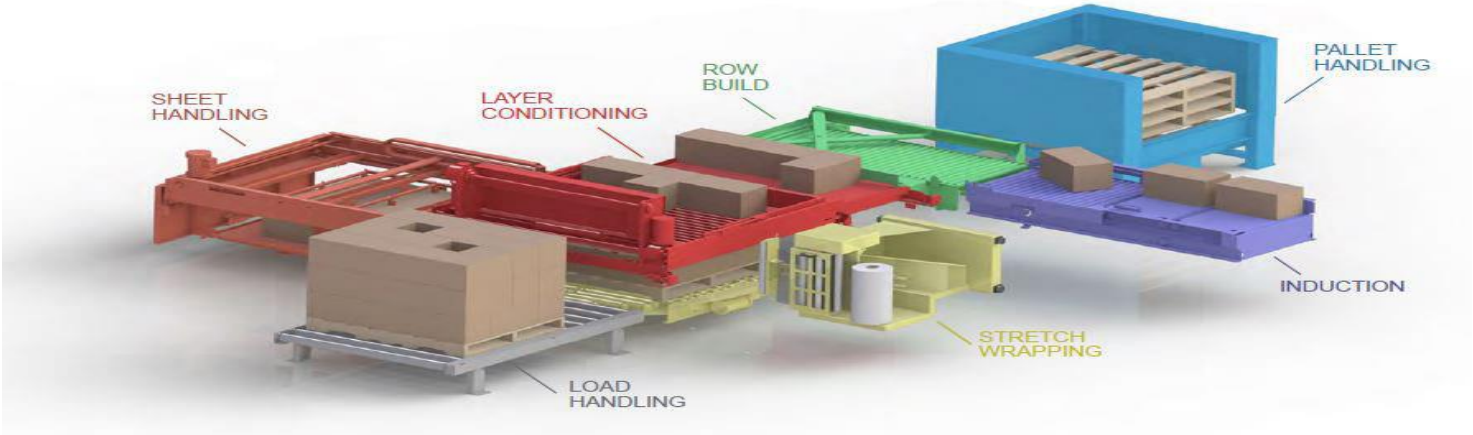
West Coast Supplies Corporation
Innovative Packaging Solutions

Palletizers are mission-critical components of automated end-of-line packaging operations for food, beverage, and consumer packaged goods manufacturers. These single palletizers or systems integrated with existing conveyor and other material handling equipment to drive productivity and increase efficiency can be easily installed. New patented technologies make palletizing reliable, easy, safe, and energy efficient.

MODULAR ENGINEERING

Palletizer model groups share common functional modules and frame systems to provide comprehensive palletizer solutions. Shared modules maximize layout flexibility while reducing cost through increased manufacturing and machine controls efficiencies. Modular engineering means quality control and complete flexibility in the configuration of machine components. No customization is required. The orientation of induction and load exit meet your exact requirements.



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CONTROL SYSTEM

PLC
The controls architecture is based on an Allen Bradley PLC running universal PLC and HMI code modules. The PLC and HMI code is compiled for the specific palletizer configuration from the universal code. The use of modified and custom code does not apply.

Motor Control
EuroDrive gearmotors equipped with encoder feedback controlled by servo drives operating in VFD mode provide accurate and refined motion of all primary components. The many simultaneous motions of the palletizer are continuously monitored by the PLC to prevent collisions and optimize positioning accuracy for smooth damage free product handling.

HMI
Operations interface is provided by a color touchscreen panel running AB Factory Talk HMI. HMI screens provide intuitive interface to the palletizer for all needed operations. HMI screens are designed for simple yet comprehensive access to palletizer functionality including automatic and manual operations, pattern selection and programming, back-up, recovery operations, safety status, and maintenance logs.

SOFTWARE

Patterns
Palletizers can build any pallet pattern, with up to 99 patterns stored and instantly accessible. End users can easily create new patterns using the HMI touch screen common to both conventional and robotic models.

Manual Operation, Setup, and Changeover

Intuitive screens to perform all machine set-up and product changeover functions

Error Conditions

Graphical screen error enunciation to assist diagnostics

CAPABILITIES

- Rates: 1-3 layers per minute
- Products: Case, tray, trayless, open top, lidded, overwrapped or unwrapped, bundles, nested, display pack
- Infeed Height: 23" to 60"
- Minimum Case Dimension: 4.5"
- Maximum Case Dimension: 29"
- Maximum Case Height: 36"
- Standard Layer Weight: 300 Lbs
- Minimum Layer Dimension: 38"
- Maximum Layer Dimension: 50"
- Standard Load Height: 60” or 72"
- Minimum Footprint: 162" x 115"
- Typical Footprint: 233 x 155

OPTIONS

- All-electric
- Concurrent Stretch Wrapping
- Freezer
- Labels-out
- Load Handling
- Load Labeling
- Pallet Handling
- PerfectPattern Induction
- Sheets & Liners
- Double Stack Loads
- Layer Weight to 10001bs
- Tall Loads to 110”

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