

Palletizer / Stretch Wrapper Combinations

End of Line *Packaging Solutions* by **Pro Mach**

The Pro Mach End-of-Line Packaging group offers customers the ability to work with a single source for all their end of line packaging needs.

From simple applications such as a basic palletizer/stretch wrapper, to more complex packaging lines containing case erecting, sealing, packing, shrink wrapping, materials handling, robotics and pallet load unitization, Pro Mach's End-of-Line Packaging group can offer complete turn key solutions.



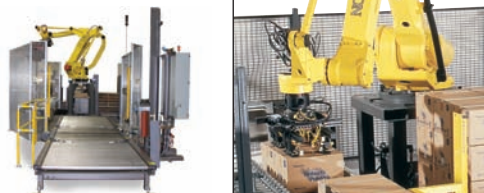
Brenton Robotic Palletizer
Orion Automatic Turntable Stretch Wrapping System

When Do You Need a Palletizer?

- Single or Multiple Production Lines
- 10+ Cases Per Minute
- People Stacking Cases
- Fork Lift Traffic
- Heavy Cases
- Finished Pallets in Warehouse
- Stretch wrapper Needs
- Sophisticated Manuf./Production Equipment
- Corrugate Stacked in Warehouse

Robotic Palletizing Advantages

- Complex Pack Patterns
- Multiple Pallet/ Slip Sheet Types
- Manual or Automatic Tool Change
- Multiple Low Speed Lines
- High Payload
- Pallet Handling
- Mixed Layer
- Sortation



Brenton robotic palletizers

Conventional Palletizing Advantages

- Lower cost
- Easier installation
- Applications
- Dedicated Lines

What's the Difference Between High & Low Level Palletizer?

High Level Infeed

- Free aisle ways for truck and people traffic
- Minimize forklift operations
- Optimize pallet loading process
- Remote from packaging area in warehouse
- Faster than low level infeed palletizing

Use High Level Palletizer For:

- Low to High Speeds
- Unlimited Pattern Count
- Tall Pallets
- Complicated Patterns
- Sheet Feeder Integration
- Multiple Pallet Styles
- Multiple Case Sizes
- Multiple SKUs
- & Multiple Accumulation Lines



Currie by Brenton high level palletizer

Cost Saving Example

A Currie LLP 21/RT combo system would have 21 cases per minute rate when palletizing a pattern of 12 cases per layer. Manually palletizing 21 cases per minute takes two people per shift plus a fork lift driver and a case packer operator.



The LLP-21/RT system eliminates two or three people palletizing. The lift truck operator and case packer operators are still needed.

Tending of the palletizer can be done by the case packer operator. Supplying stacks of empty pallets is done by the lift truck operator.

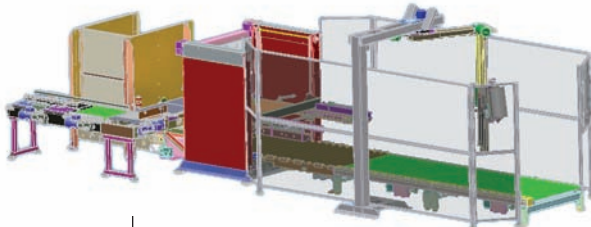
Operation of a semi automatic stretch wrapper requires additional labor by the lift truck operator. Automatic wrapping frees up lift truck operators for other operations.



High level Currie palletizer mated with an Orion FA Series automatic stretchwrapper

Low Level Infeed

- Close coupled with case packer or tray loader
- Lower speeds to match upstream equipment
- Repair without working at elevated heights
- All operations visible from floor level
- Problems detected quickly



Low level palletizer with Orion RT stretch wrapper

Use Low Level Palletizer For:

- Lower Speeds
- Simple Patterns
- Easy Access

When Do You Need an Automatic Stretch Wrapper?

- Single or Multiple Production Lines
- 15+ Pallet Loads per Hour
- People Stretch Wrapping Pallets
- Bottleneck at Existing Semi Auto Wrappers
- Need to Reduce Amount of Film Used
- Need for Consistently Wrapped Loads
- Keep Loads on Conveyor Until Wrapped

Whats the Difference Between Rotary Tower & Turntable?

Rotary Tower Advantages

- Better for Heavy, Light or Fragile Loads
- Load Does Not Spin During Wrapping
- Throughput Speeds: Up to 100 Loads/hr.
- Keeps Drive System Off Floor
- Better for Dirty, Dusty, Wet Environments



Orion rotary tower automatic stretchwrapper

Turntable Advantages

- Smaller Footprint
- Less Personnel Fencing Required
- Ground-based Maintenance
- Ideal for Stable Pallet Loads
- Ideal for Extra Tall Pallet Loads
- Better for Facility with Limited Height
- Throughput Speeds: Up to 70 Loads/hr



Orion turntable automatic stretchwrapper