

Totally Automatic Packaging & Palletizing

- Complete hands off packaging of siding panels between double four and triple four in lengths of 12', 12'2" & 12'6"
- System duplicates the processes described in our semi-automated system but the material is boxed, sealed, labeled and palletized without ever being touched by an operator
- System feeds flat 5 panel fold boxes from a bulk stack through an accumulator and under a stack of nested panels, closes the box around the stack, seals the long edge and ends, applies a label to the ends and palletizes at a rate of 60 + boxes per hour
- With a vision detection system, defective material is removed automatically



Semi-Automated Packaging & Palletizing Equipment

Our vinyl packaging and palletizing system consists of four separate but integrated machines. They are the Sorting Table, Packing Conveyor, Box End Closing Machine and Palletizer. A brief description of each machine and their functions and features follows.

Sorting Table

- Receives the panel from the cut off machine and moves it toward the operator
- Orientates panel either face up or face down according to stacking requirements.

Packing Conveyor

- Folds box with packer's assistance reducing repetitive motion
- Pulls stack of panels toward operator reducing the operators reaching motion
- Conveys filled box to next machine while hot gluing the long edge of box
- Reduces glue usage and mess



Complete Packaging Line



Glued Tube - Box Erecting Table

Box End Closing Machine

- Folds and seals ends of five panel end fold box
- Positions box for proper orientation for palletizing

Palletizer

- Picks up completed boxes and places them on the pallet in assorted arrangements
- Stores completed boxes while filled pallet is removed and empty pallet is installed
Provides location of pallets
- Allows users to use different size pallets and/or racks
- User interface allows operator to scroll to correct program based on product

Box Erecting Table

- Erects and over bends tube boxes up to 25' long
- Only two adjustments to change box sizes
- Eliminates repetitive stress injuries, while improving box quality