

# *Thinking Outside the Box*





Eagle Packaging Machinery manufactures and designs a wide variety of case erecting, tray forming and robotic palletizing machinery.

Established in 1998, Eagle has developed a very diverse product line that includes the capability of forming & sealing corrugated trays or cases with glue, tape, and self-locking types.

With installations around the world, Eagle has designed, engineered and successfully installed machines in industries including food, beverage, apparel, health, beauty, printing, pharmaceutical, automotive, and electronics.

Our product line includes well known brands like the POPLOK, VASSOYO, BOXXER and most recently the Z ZAG, the most affordable robotic palletizer available today.



# POPLOK

The POPLOK is Eagle's most popular and well known tray erector. Commonly used in the food, apparel, automotive and electronics industries, the POPLOK is easy to operate and affordable.

The POPLOK will automatically pull blank trays through forming plows, erecting the side and end panels while at the same time folding in the minor flaps. When the tray reaches the bottom of the vertical travel, a set of pneumatically controlled bars fold and lock the roll-over flap in place. The finished tray is then ejected from the machine.

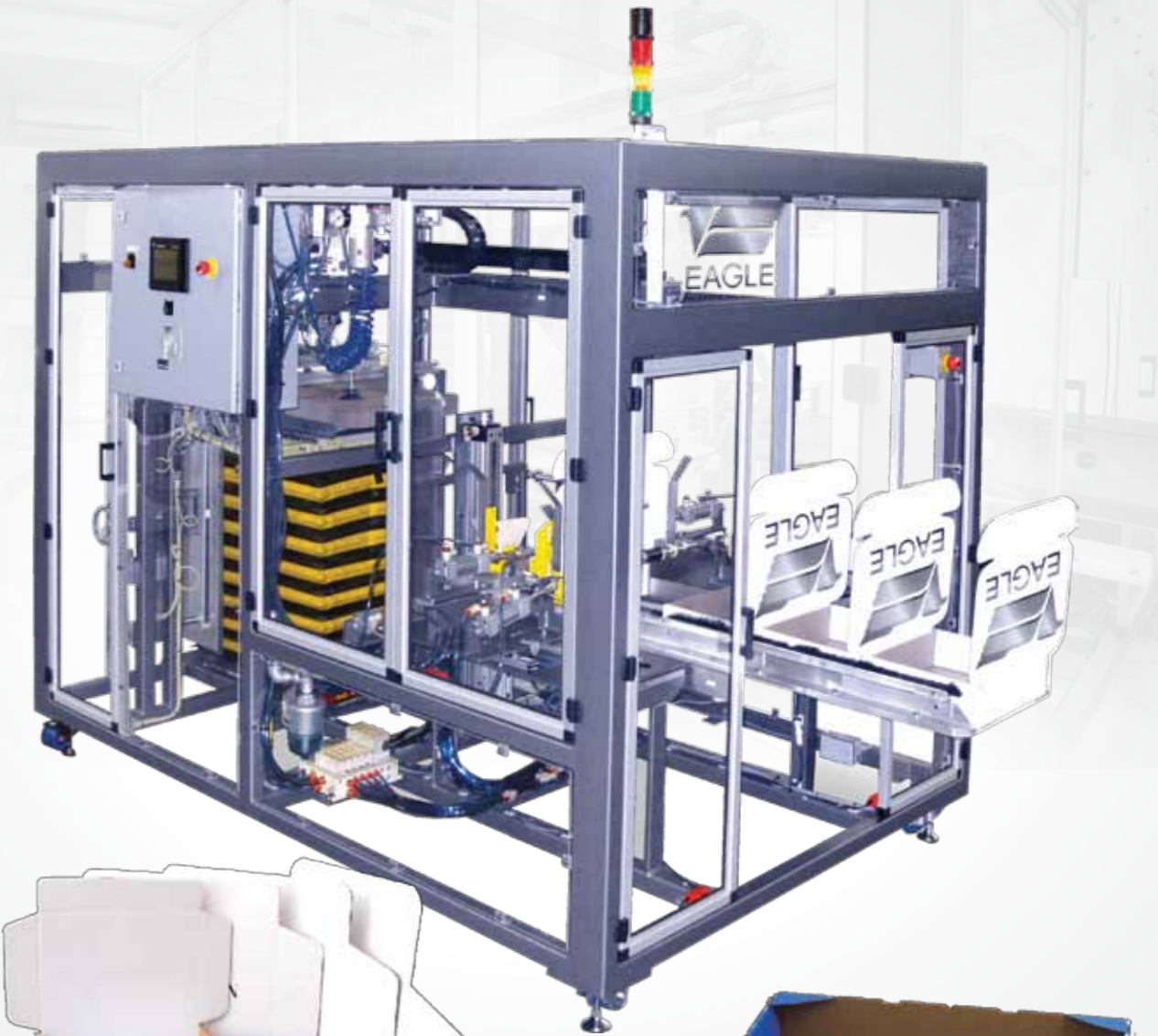
No glue, no tape, the POPLOK is environmentally friendly.



## Self Locking Fold & Tuck Trays

### FEATURES

- 2, 4, or multi-fold & tuck available
- Form large or small trays with or without a lid
- Quick size adjustment - no mandrel required
- 100% recyclable trays
- No glue and no tape
- Heavy duty, welded steel frame
- Interlocked safety gates or doors
- Vertical blank hopper
- Venturi vacuum technology used in tray erection
- Tray ejection system
- Central valve exhaust for noise reduction and clean air
- Color touch screen HMI







# VASSOYO

## MECHANICAL

Engineered for highspeed applications, the robust VASSOYO can provide production rates of up to 40 trays per minute.

The VASSOYO automatically forms blank trays, applies glue to the minor flaps, transfers the tray to a ram mandrel, where it is forced down through corner folders, forming the tray. The tray is then held in a compression area until the next tray enters the forming section.



Corrugated  
tray with glue

# VASSOYO AIR

Often used in the produce industry, the VASSOYO AIR produces incredibly durable trays to withstand some of the toughest environments.

The VASSOYO AIR will automatically pull blank trays and transfer them to the forming section and apply glue to all flaps. The blank is then positioned under the ram and mandrel assembly. When the blank is in place, the ram fires and forces the blank down through the forming section of the machine. Here the minor flaps on the tray are folded in, forming the body of the tray. The tray is held in the forming section, allowing the glue to set on the minor flaps. Next, the ledge flaps are rolled over the ends of the tray and the side wings folded down and compressed against the retractable mandrel. The mandrel will retract, allowing the ram to move up, exiting the finished tray.

## FEATURES

- High speed pinch roller mechanism indexes the tray blank at a constant speed, under the glue guns, ensuring accuracy and repeatability in applying of the hot melt glue
- Positive tray forming system using a male mandrel and adjustable female die
- Sealed ball bearing in blank transfer and self cleaning tracks
- Continuously running out-feed belt conveyor provides quick product evacuation
- Venturi vacuum technology used in tray extraction from hopper
- Large tray size range - run large or small trays
- Retractable mandrel
- Quick size change-over
- Compact footprint
- Nordson glue system
- Color touch screen HMI
- Vertical blank hopper
- Heavy duty, welded steel frame





# BOXXER

The BOXXER family of case erectors are designed for RSC, FOL and HSC cases and are engineered for durability, consistent repeatability and ease of use.

The process begins when the BOXXER strips one knocked-down case from the bottom of the blank hopper and transfer it to the erecting area of the machine. Here the case is erected with vacuum cups and once erected, the minor flaps are folded into the case and the top major flap fold down at a 45° angle. At this point, the erected case is moved 90° along one glue gun, which will apply glue to the minor flaps of the case. The major flaps on the case are then compressed and sealed. The finished case is discharged from the machine by the next case entering the compression section of the machine.

## FEATURES

- Heavy duty, welded steel frame
- Quick size change over package
- Mechanical chain drive
- Interlocked safety gates or doors
- Venturi vacuum technology used in tray extraction from hopper
- Nordson model ProBlue glue system
- Color touch screen HMI



Erecting  
corrugated  
cases with glue

# BOXXERT12

Boasting a small foot print and easy accessibility of parts, the T-12 is a fantastic investment for small to medium size production needs.

Using vacuum cups, the blank erected and the two minor flaps are folded into the box. The erected case is then transferred through the taping section of the machine. As it enters, the major flaps of the box are plowed down and tape is applied across the flaps of the box. The finished box is then discharged.

## FEATURES

- Quick change-over
- Interlocked safety gates or doors
- Low maintenance mechanical drive
- Venturi vacuum used in case erection
- Small footprint
- Low hopper alarm
- Light stack for low hopper & jam
- 2" or 3" (51 or 76 mm) wide tape head
- Tool-less, removable tape-head
- Large hopper capacity
- Casters for mobility



or tape





The versatile Z. Zag Palletizer is designed for all your end of line palletizing needs. From easy to difficult pallet patterns, the Z.Zag is user friendly and will take up little room on your production floor.

Designed to pick and place cases, the Z.Zag uses a vacuum system to automatically pick up a specific case and place it on a pallet. Placing a Z.Zag at the end of each production line is less expensive and more flexible than using costly conveyors to transport cases to a centralized high-cost, high-speed palletizer.

### FEATURES

- SCARA designed palletizer equipped to handle a wide range of cases
- Lift 1 or 2 cases at a time
- Designed for multiple pack patterns, both column-stacked and interlocked
- Servo drives and controls
- Case positioning sensors
- Store up to 100 recipes
- Automated, optimal pattern calculation
- 2 floor mounted pallet positions with sensors
- Overload sensors
- Compact footprint: robot dimensions approx. 3' x 5' (915 x 1524 mm)
- Weight capacity up to 40 lbs. (18 kg.) per lift
- Simple vacuum generation technology for end-of-arm tooling
- PLC Controls
- Color touch screen HMI

Eagle offers Case Packing Solutions for pack patterns with servo-driven top-load, bottom-load, or side-load pack mechanisms.

Product is collected onto an in-feed conveyor of the Erector-Loader-Sealer and arranged according to the pack pattern for loading into the case. Once the product is stacked according to the pack pattern, it is ready for insertion from the top, bottom, or side of the case. At the same time, the knock-down case is pulled from the blank hopper and formed near the awaiting product.

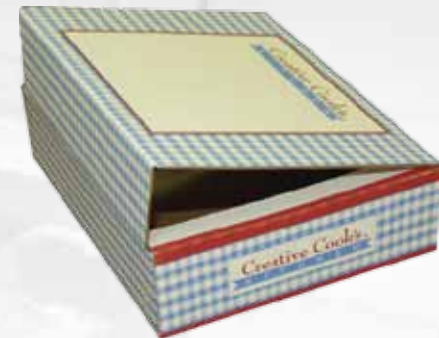
Once the case is open, guides enter the case and the product is inserted with a servo drive mechanism into the top, bottom, or side of the case. The case flaps are folded and the case transfers into a set of side powered side belt conveyors, where Glue or Tape is applied to seal the case. Finally, as the case travels through the machine, the flaps are compressed and then sealed, and the case exits the machine.







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