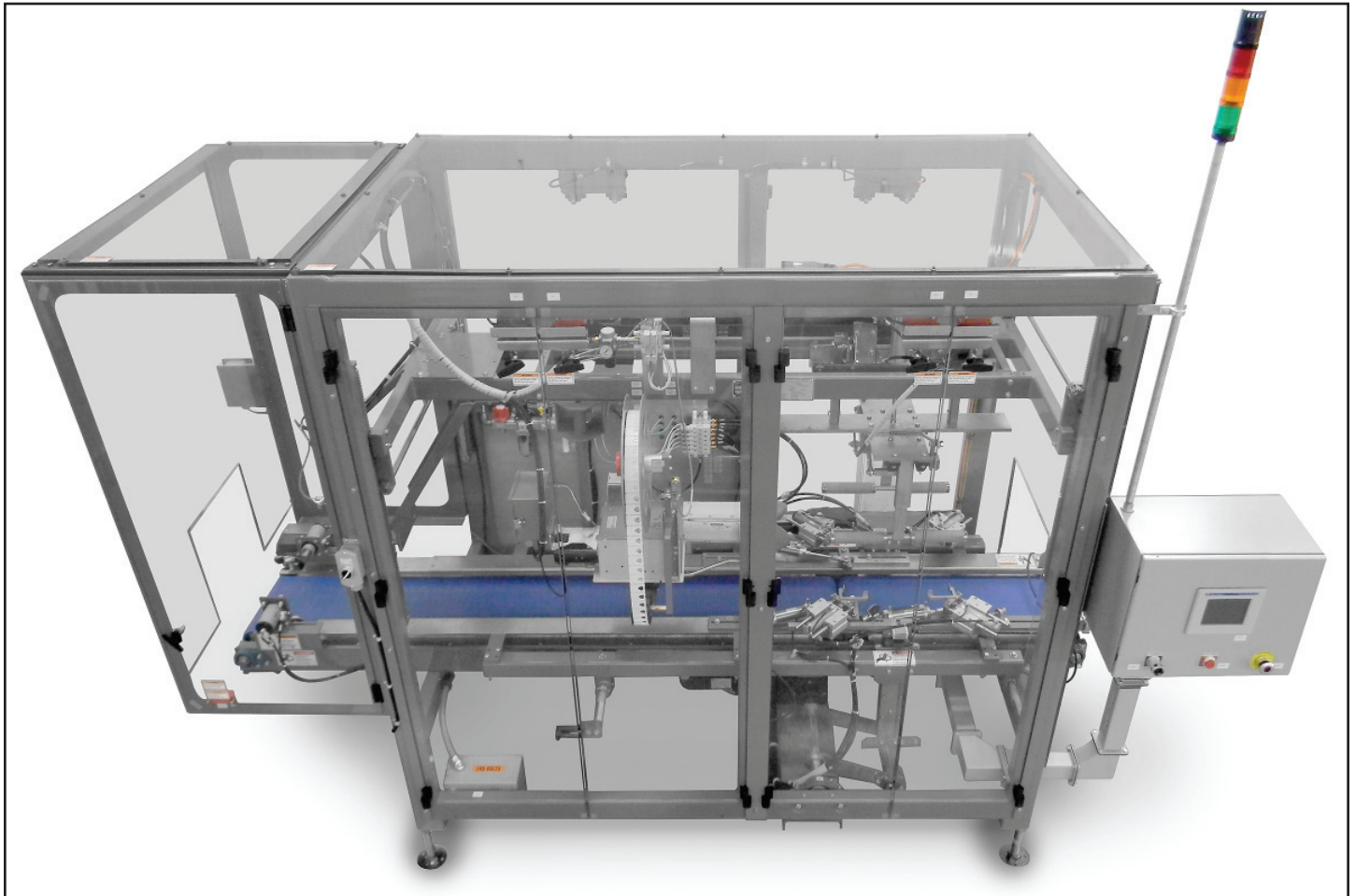




Bag-in-Box Uncuffer/Closer

Series 1579 High Speed Uncuffer / Closer



Key Features

- Completely automatic - eliminates bag uncuffing / folding by hand
- Positive mechanical uncuffing with four corner contact, which eliminates the use of air to uncuff the bag
- Case monitoring photo-eyes prevent the jamming and damaging of case
- Servo-driven conveyor for precise case handling
- Servo uncuffing head and bag transfer system
- Allen-Bradley Logix Series PLC
- Allen-Bradley PanelView HMI
- Tape or plastic clip bag-closing system

Bag-in-Box Uncuffer/Closer

Series 1579 High Speed Uncuffer / Closer

The fully automatic Series 1579 High Speed Uncuffer / Closer uncuffs a filled polyethylene bag from a corrugated case, gathers the bag, and applies a polypropylene tape or plastic clip closure to the neck of the bag.

The 1579 High Speed Uncuffer/Closer is part of the complete Thiele Bulk-Pak® Bag-in-Box Packaging System, a fully automatic system for bulk packaging granular, powdered, flaked, solid and liquid products in a variety of container and bag sizes.

The 1579 High Speed Uncuffer/Closer is designed for use in food, chemical, detergent, and other industries that package products in corrugated containers with poly bag inserts.

Thiele offers the industry's most complete line of packaging machinery. Choose from other Thiele products, such as case erectors and sealers, net and gross weigh scales, and Master™ Robotic and Automatic Palletizers, to create the packaging line you need and expect.

Sequence of Operation

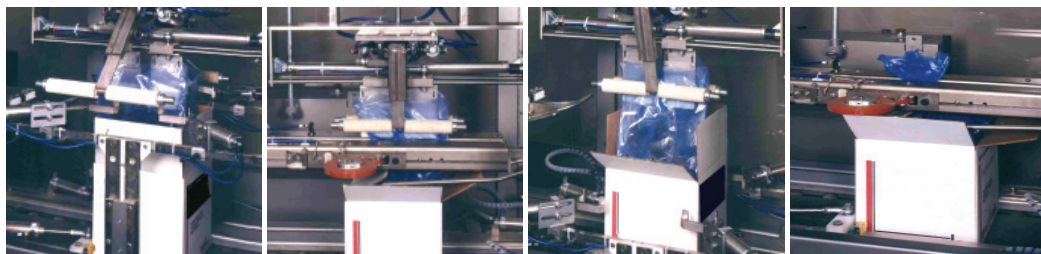
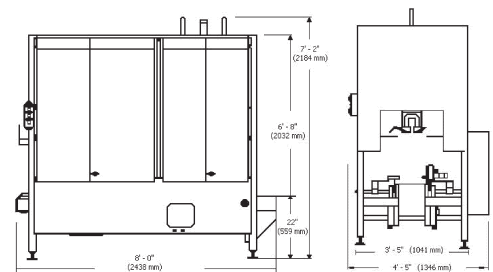
Once the bag is uncuffed (servo-driven uncuffing head), gusset tuckers form the bag and rubber lined grippers come in to secure the bag for transfer (servo-driven bag transfer system).

When the bag is secured it is transferred to the tape or plastic clip closure station for closure, then major flaps are deflected downward for clearance of the closing section.

In the closing station, the bag clamp mechanism is released after the case is positively positioned for applying tape or plastic clip. The bag clamp mechanism returns to secure another container while the tape or plastic clip is being applied. This two station concept allows speeds of up to 20 BPM (dependent on container size).

A set of gathering fingers (inside tubes) gathers the bag in a tight neck for tape or plastic clip application. The tape or plastic clip is applied and cut as the container moves out of the machine and into a top case sealer.

| Specifications | |
|---|--|
| Speed | |
| Up to 20 cases per minute, dependent upon case size | |
| Total Case Size Range | |
| Length | 7" - 22" (178 mm to 560 mm) |
| Width | 9½"-15½" (241 mm to 394 mm) |
| Depth | 16" (407 mm) maximum |
| Depth + Flap | 9" (229 mm) minimum |
| Max Length - Width | 6" (152 mm) |
| Based on 4" to 6" (101 mm to 152 mm) bag above flap and 3" to 5" (76 mm to 127 mm) cuff with a 1" double cuff | |
| Power Requirements | |
| Input Power | 240/480 V, 3 phase, 60 Hz |
| Maximum Draw | 240 volts = 3.1 amps 480 volts = 1.5 amps |
| Air Requirements | |
| Operating Pressure | 80 psi (5.4 Atm) |
| Free Air Consumption | .9 cu ft (25.4 liters) free air per cycle |



All sales are subject to our prevailing terms and conditions. Illustrations and specifications are subject to change without notice. Machines shown without guards are for illustrative purposes only. Guards are supplied and must be in place before operation.