

Pressure Sensitive Tape Case Erector/Bottom Sealer CE 446 Case Erector



Key Features

- Speed of up to 20 cases per minute
- Opposing vacuum cups in the erecting station
- Changeover in under 3 minutes
- Vacuum transducers are used instead of vacuum pumps
- Case flaps are pre-folded in a stationary position
- Allen Bradley *MicroLogix*™ PLC
- Seals with polyester, PVC and polypropylene tapes

Pressure Sensitive Tape Case Erector/Bottom Sealer

CE 446 Case Erector

The CE 446 automatically selects, erects, squares and seals the bottom flaps of regular-slotted (RSC) and half-slotted (HSC) corrugated cases. Speeds of up to 20 cases per minute are possible, depending upon the model configuration and case size.

The CE 446 is equipped with a 6' right-angle magazine. A powered magazine that automatically indexes the next stack of cases into position after the previous stack has been depleted is available optionally. Thiele's unique case selection system, which selects one case at a time from the top of the stack, enables the machine to handle warped board and other corrugated variations.

The unit also features the Tension Master II™ taping head. This unique taping head incorporates a constant tension roller which eliminates the need to make adjustments as the tape roll is depleted.

Opposing vacuum cups in the erecting station allow the CE 446 to separate the case as it is being erected, thereby effectively breaking the score lines and any possible over-glued manufacturer's joint.

To operate the CE 446, a stack of cases is placed in the case magazine. Vacuum cups select a case from the top of the stack and index it to the erecting station.

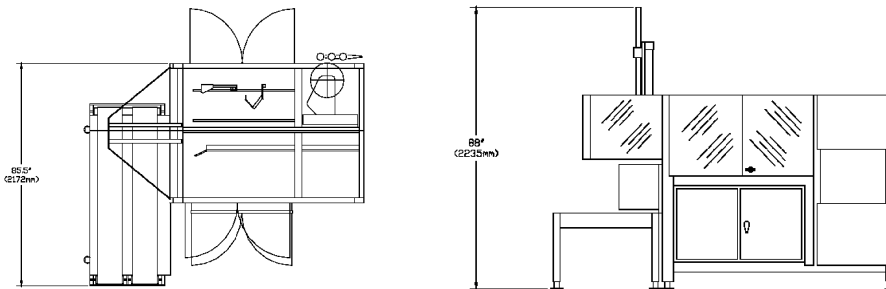
Once in the erecting station, the case is opened and erected using the vacuum cup system. The front and rear minor flaps are folded inward 90° and then the major flaps are folded 90°.

The case is transferred by a mechanical walking stick onto the top and bottom driven feed belts. The belts transport the case through the taping head, which applies tape to the leading panel approximately 2" (51mm) from the bottom. The tape is then applied to the bottom of the container and 2" (52mm) along the trailing panel. As the tape is applied, a series of two rollers and a brush "buff" the tape to ensure its adhesion to the case.

Once the proper tape length has been dispensed, a spring-loaded serrated blade is released, severing the tape.

The severed end remains secure in place and is applied to the leading panel of the next case in line. As the case leaves the taping section, the rear pressure rollers follow the trail end, applying final compression to the case.

Specifications	
Product Speed	
Standard speed is 20 cases per minute, depending upon case size	
Magazine Capacity	
Up to 250 cases, depending on case size. Larger capacities are available with optional magazine extensions.	
Case Size Range	
Length	7" to 24" (178mm to 610mm)
Width	5½" to 16" (139mm to 406mm)
Depth	6½" to 24" (165mm to 610mm) includes top flaps
Electrical Requirements	
Electrical Service	240 volts AC, 3 phase, 60 Hz standard; other voltages are optionally available
Control	120 volt control power is obtained through a transformer supplied with machine; primary operator controls are 24 volt DC obtained through an internal supply
Max. Current Draw	10 Amps (240 VAC)
Air Requirements	
Operating Pressure	60 psi (4.1 bar)
Line Pressure	90 psi (6.2 bar)
Maximum Free Air Consumption	15 SCFM @ 20 cases per minute
Shipping Weight	
2600 Pounds (1,182 kilograms)	



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.