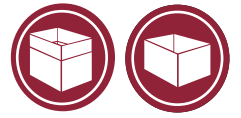


Intelligent machine control for top performance



Model 400 Case Erector series

Tape or Hot Melt Adhesive sealing





MODEL 400HS HIGH SPEED HOT MELT SEALING

For increased speeds to 40 cpm, A-B-C offers the Model 400HS with servo-operated sealing ram.

11 ways these erectors benefit your production line

We know it's not a perfect world, so we build machines that tackle production variations and keep on running. That's what made our 330 erectors an industry standard and the 400 series gives you even more important features to increase your production and reduce costs. Take a look and you'll see why this erector is setting new standards for case erecting productivity.

1 Built for dependable, high speed operation

- Heavy gauge reinforced steel frame has welded anti-vibration box design for maximum stability in long term production
- Continuous motion mechanical main drive with sealed bearing linkage ensures high speed performance
- Soft start/soft stop motor controls maximize machine life and energy efficiency
- High capacity Piab COAX® vacuum system for consistent, high volume vacuum with reduced energy consumption

2 Intelligent machine control simplifies setup and diagnostics

- Case selection is easy and intuitive at the touchscreen control center. Simply choose the case size and speed and you're done.
- PLC with encoder uses closed loop position feedback to ensure precise operation
- Non-contact sensors monitor operation
- Auto speed selection sets the erector to automatically adjust speed and adhesive application to line requirements
- All machine functions can be operated at the touchscreen for setup and diagnostics
- Easily pinpoint machine or component failures with a step-by-step diagnostic tool
- All settings are stored in memory allowing easy return to original settings



3 5 minute changeover

- Changeover for the full case range is completed with rapid adjust hand cranks and slides with locking handles
- Tape sealing model - no tools required
- Adhesive sealing models - only one tool required for sealing ram adjustment

4 KD magazine eliminates lifting and allows more time between refills



No more lifting heavy cases! This ergonomic, floor level magazine eliminates a potential source of liability found in mid and high level case magazines.

The standard high capacity magazine holds three stacks of cases, giving your attendant more time between refills. KD stacks feed automatically and cases can be added at any time. An extended magazine is also available.



MODEL 400HM HOT MELT ADHESIVE SEALING



MODEL 400T TAPE SEALING

5 Top feed magazine runs warped and band-marked cases



The top feed magazine design eliminates back pressure that can cause misfeeding in vertical feed magazines. Cases are lifted by dual, spring-loaded grippers that self-adjust to lift cases from uneven stacks caused by warp or band marks.

6 Complete control for case opening



At the opening station, cases are gripped from below as the reciprocating arm pulls them open. This dual pullback system is forgiving to cases with poor manufacturer's joints and positively opens doublewall styles. An automatic blowback system keeps air lines clean.

7 Case opening on outer flap ensures smooth inner flap closing



A-B-C's vacuum case opening technology smoothly opens even warped and bent cases, unlike pin-style openers which require straight corrugated flutes for proper operation. Over-opening the case on the flaps ensures successful inner flap closing, even when running cases with out-of-spec manufacturer's joints.

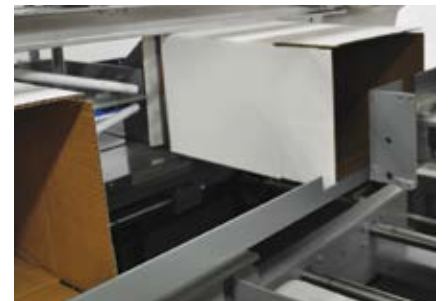
8 Walking beam drive squares cases during transfer

Motorized walking beams positively transfer and square cases as they are transported from opening through tape or adhesive application, to ensure well-formed square cases are sent to your packer.

9 Tape roll change is quick and easy

Simply open the guard to replace the tape roll. Low tape/no tape sensors can provide visual indication of roll status and stop the machine before tape runout to eliminate tape head rethreading.

10 Adhesive sealing ram squares cases



The adhesive sealing compression mandrel has a unique design with stationary lugs that square the case during sealing. Soft-glide compression ensures secure sealing with less stress.

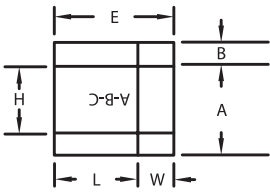
11 Positive case discharge to takeaway conveyor for a continuous case flow



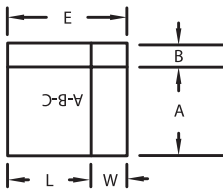
All standard 400 models include a stationary discharge chute that uprights and feeds cases from the machine exit to the conveyor for a constant case feed to your line.

MODEL 400 CASE ERECTOR

Case Range



K.D. TRAVEL →

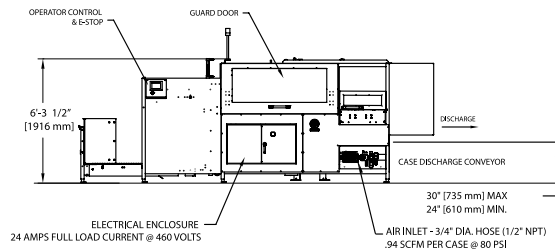
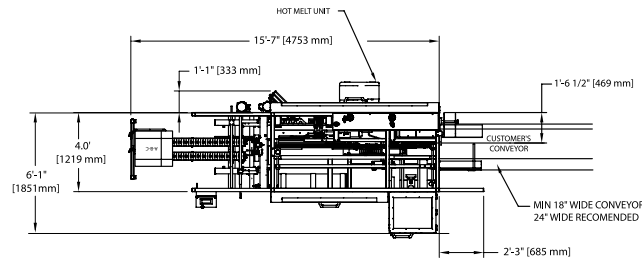


	MIN.	MAX.
A	5-1/2" *	23-1/2"
B	2-7/8"	8"
L	7"	22-3/4"
W	5-3/4"	16"
H	3"	15"
E	12"	38"

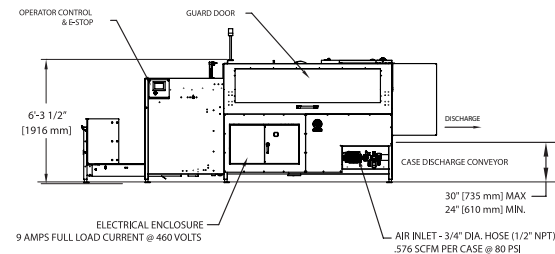
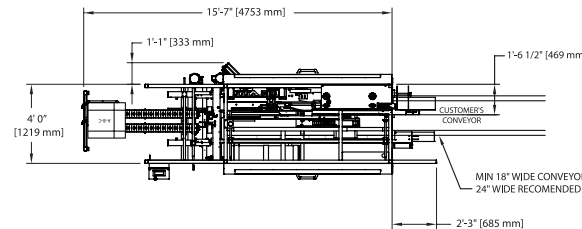
Max. K.D. Length: 38"
K.D. Length: 12" to 38"
K.D. Width: 8" to 31-1/2"

* Minimum A height is 7"
on tape sealing model

Hot melt adhesive sealing model (400HS shown)



Tape sealing model



Additional standard features:

- 400T Variable speed 10 - 35 cases/minute*
- 400HM Variable speed 10 - 30 cases/minute*
Speed can ramp up and down - all settings including adhesive are automatically adjusted
- 400HS Variable speed 20 - 40 cases per minute*
(includes high speed case indexer and servo-controlled sealing ram as standard features)
- High efficiency motors
- SOFT STOP - quits operation without dumping air
- CYCLE STOP - cycles out all cases before stop
- Main drive jog function
- Manual operation of all functions including glue test
- Proximity sensors with quick disconnect
- Elevated beacon fault light
- Case discharge back-up eye for surge control
- Hot melt version can be converted to tape sealing/
Tape version can be converted to hot melt sealing
- Self-lubricating air cylinders
- Automatic air filter / lubricator / water eliminator
- Standard fault detection features:
 - No/low air pressure
 - Downstream case backup
 - Case magazine is empty or low
 - Guard door opened
 - Case did not open properly
 - Emergency stop activated
 - Motor overload
 - Encoder or coupling malfunction
 - Individual sensor malfunction
 - Minimum speed fault
 - Fault alarm history record

Optional features:

- Magazine extensions for additional capacity
- CSSC case capability
- Servo-controlled sealing ram standard on 400HS,
optional on 400HM
- Repeatable position indicators on adjustment shafts
- Low tape-No tape sensors ensure quick roll
replacement and eliminate tape head rethreading

* Dependent on case sizes, consult factory.

The Complete Line of A-B-C Equipment includes:

- Case Erector / Bottom Sealers
- Palletizers
- Pick and Place Packers
- Partition Inserters
- Semi-automatic Carton Packers
- Bulk Depalletizers
- Case Sealers
- Decaser / Single Filers

All information in this brochure was current at time of printing, however, in the continuing effort to improve the quality and construction of A-B-C machines, we reserve the right to make changes without notice. Guards may be opened or removed for photos shown.



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