

It's About the Tray

Square Trays! No Jams!

Square trays are the key to successful secondary packaging. Lantech Tray Erectors are the key to square trays.



Why Square Trays Matter

Square trays pack better, stack better, and protect better. They provide the structural integrity to deliver the performance their designer intended.

Fact: trays lose 30% of their stacking strength if their sides are not aligned.

There are barriers to erecting square trays. Thinner corrugated, temperature and humidity changes, and variations in tray blanks can cause trays to be “unsquared” or lead to machine jams.



Lantech Tray Erectors overcome these barriers through precise tray management and 100% control of trays throughout the entire erecting process, ensuring your trays perform as designed and are produced with maximum efficiency.

Square trays work better!

How Lantech Tray Erectors Make Square Trays

From the moment a blank enters the magazine until it exits the tray erector as a properly formed and 4 sides sealed tray, it is under complete control.



**90° Angles on
all 4 sides!**

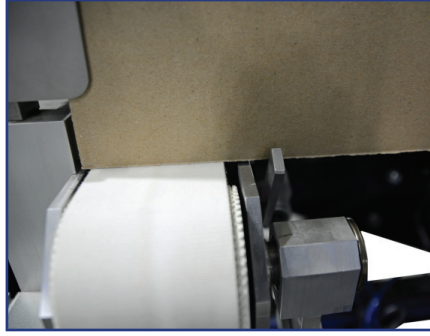
A unique pickup frame pulls the tray blank from the magazine and puts it into a horizontal position. Four snap-lock clips transport the blank to the forming position. During this transfer glue is applied on the blank. The blank will be forced through the forming unit, after which the sides of tray blank will be simultaneous pressed on all sides. Finally the formed tray exits the machine.

Precision + Control = Square Cases



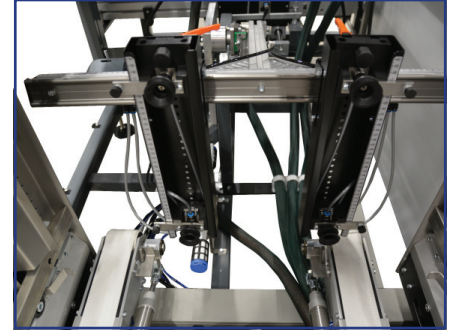
Blank Delivery Control

Powered belts precisely govern the delivery speed of the tray blanks. Blank retainers ensure the blanks are spaced correctly.



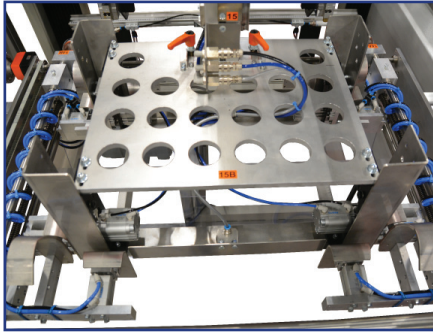
Blank Separation

Special separators release only the leading blank to the pickup frame and retain the following blanks.



Blank Pick-up

From the magazine a blank is taken with vacuum and put in position. Four snap-lock clips transport the blank to the forming head position.



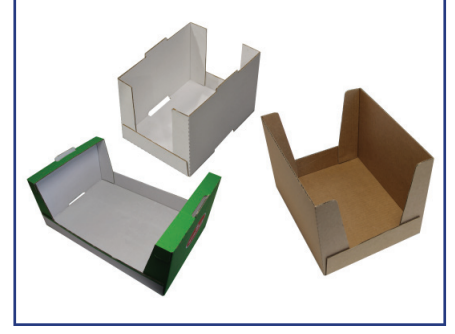
Adjustable Forming Unit

The folding unit is adjustable in length and width and can be adjusted to the correct tray size. The adjustments are done by hand wheels and can easily be read from counters and scales.



Square Tray Forming

While the blank is being pressed through the forming unit by the stamp, the sides of the tray are simultaneous folded and glued on 4 sides.

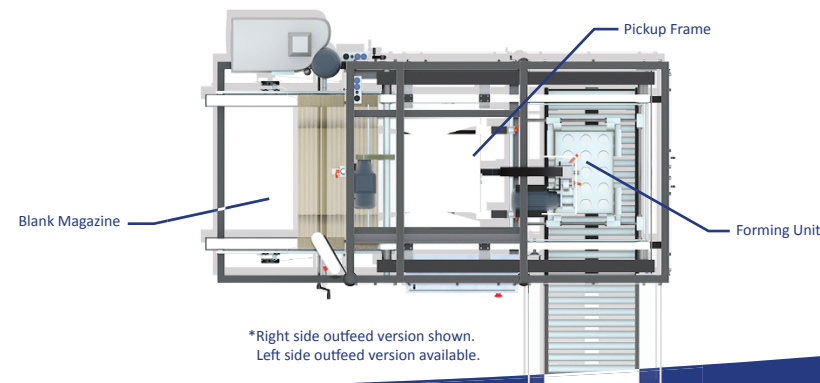


Flexible to Handle Different Tray Formats

Modular machine configuration to handle basic tray formats and shapes that meet your operational needs.

Specifications

CRITERIA	TE-B300	TE-B350	TE-B400
Speed	10 Trays per minute Options and application can change the speed	8 Trays per minute Options and application can change the speed	6 Trays per minute Options and application can change the speed
Minimum Tray Outer Dimensions	280 mm L x 200 mm W x 150 mm C1 x 40 mm C2 (11" L x 7 2/5" W x 5 9/10" C1 x 1 3/5" C2)	280 mm L x 200 mm W x 150 mm C1 x 40 mm C2 (11" L x 7 2/5" W x 5 9/10" C1 x 1 3/5" C2)	280 mm L x 200 mm W x 150 mm C1 x 40 mm C2 (11" L x 7 2/5" W x 5 9/10" C1 x 1 3/5" C2)
Minimum Tray Blank	360 mm L x 280 mm W (14 1/5" L x 11" W)	360 mm L x 280 mm W (14 1/5" L x 11" W)	360 mm L x 280 mm W (14 1/5" L x 11" W)
Maximum Tray Outer Dimensions	600 mm L x 400 mm W x 300 mm C1 x 100 mm C2 (23 3/5" L x 15 7/10" W x 11 4/5" C1 x 4" C2)	600 mm L x 400 mm W x 350 mm C1 x 100 mm C2 (23 3/5" L x 15 7/10" W x 13 3/4" C1 x 4" C2)	600 mm L x 400 mm W x 400 mm C1 x 100 mm C2 (23 3/5" L x 15 7/10" W x 15 3/4" C1 x 4" C2)
Maximum Tray Blank	1200 mm L x 600 mm W (47 1/4" L x 23 3/5" W)	1300 mm L x 600 mm W (51 1/5" L x 23 3/5" W)	1400 mm L x 600 mm W (55 1/10" L x 23 3/5" W)
Tray Type	FEFCO 0452/0453	FEFCO 0452/0453	FEFCO 0452/0453
Flute Type	E	E	E
Wall Type	Single	Single	Single
Standard Sealing Device	Hotmelt	Hotmelt	Hotmelt
Dimensions - Machine	2730 mm L x 1980 mm W x 1800 mm H (107 1/2" L x 78" W x 70 9/10" H)	2730 mm L x 2080 mm W x 1800 mm H (107 1/2" L x 81 9/10" W x 70 9/10" H)	2730 mm L x 2180 mm W x 1800 mm H (107 1/2" L x 85 4/5" W x 78" H)
Weight - Machine	±725 kg (±1600lb)	±775 kg (±1700lb)	±825 kg (±1800lb)
Electrical Service Choices	3L-PE-400V-50Hz-Neutral 230V, 3-ph, 60Hz, Wye w/Ground	3L-PE-400V-50Hz-Neutral 230V, 3-ph, 60Hz, Wye w/Ground	3L-PE-400V-50Hz-Neutral 230V, 3-ph, 60Hz, Wye w/Ground
Pneumatics	6 Bar (80 PSI)	6 Bar (80 PSI)	6 Bar (80 PSI)



*Right side outfeed version shown.
Left side outfeed version available.

