



Carton / Tray Erector - mechanical HS

With engineering and project management that really understands the challenges of today's packaging industry the Bradman Lake Group is synonymous with providing innovative solutions. With many decades of experience and thousands of installations to our credit, whether your requirement is a single machine or a totally integrated system, Bradman Lake is the ideal partner for your next project.

Consistent and square carton or tray forming is critical for the efficient operation of a top load cartoning system.

The HS Erector erects cartons & trays using a conventional four corner lock system or hot melt glue and can cycle up to 60 strokes per minute. Using a triple head machine, speeds of up to 180 cartons per minute can be achieved.

The machine utilizes a 'direct placement' method of feeding the carton blanks into the forming tool. This guarantees excellent performance and quick and easy setup using factory set tooling. Carton and tray types include: 3 flap closure, single flap closure with dust flaps, hooded lid closure, turn over end style and turn over end style with frame view.

HS machines can also be supplied to glue erect cartons or trays.



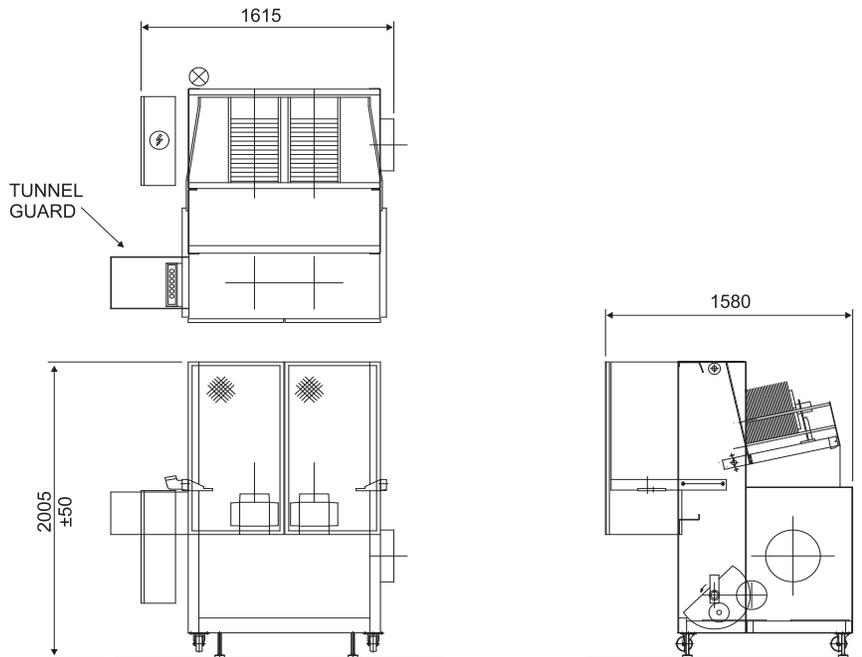
Standard Features

- ◆ Single, double and triple forming head versions
- ◆ Single main variable speed drive motor
- ◆ Up to 60 strokes per minute
- ◆ Cartons / trays lock erected without using adhesive
- ◆ Large carton / tray size range
- ◆ Forming tooling ensures repeatable size changing
- ◆ Mechanical carton hopper agitation
- ◆ Instantaneous main drive brake applied when guard door opened (key release switch for machine setting)
- ◆ Allen Bradley control platform
- ◆ Stainless steel construction
- ◆ Caster mounted for ease of installation
- ◆ Carton plunger jam safety overload clutch
- ◆ Carton feed control to each forming head
- ◆ Handwheel for manual set up and checking of tooling tolerances

Optional Features

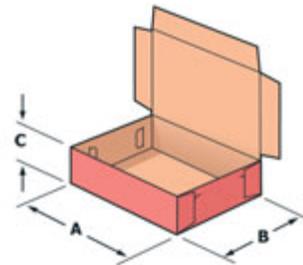
- ◆ Motorised carton magazine
- ◆ Carton take away conveyor
- ◆ Modular, flat belt or flighted packing conveyors
- ◆ Glue erection (dauber or jetting)
- ◆ Additional tooling
- ◆ Various width machines are available
- ◆ Wash down to IP65 (Nema 4X)

Machine Footprint



Machine Operation

Flat carton blanks are stacked in the hopper(s) which can be re-filled during machine operation. With each machine cycle a carton is extracted from the hopper using vacuum cups and placed in register on the forming tool. A plunger descends pushing the blank into the forming tool, folding up the sidewalls and simultaneously engaging the corner locks. The completed carton(s) eject onto a take away conveyor (optional).



Operating Specification

Machine Model	Carton Type	Speed Cartons / minute	Carton Size	
			Blank W x L	Height H min / max
HS (single head)	Locking	60	762 x 1000	22 / 165
HS (double head)	Locking	120	520 x 1000	22 / 165
HS (triple head)	Locking	180	280 x 1000	22 / 165
HS Glue (single head)	Glued	50	762 x 1000	22 / 165

NOTE: Sizes shown should be used as a guide only, all carton designs must be confirmed by BL technical department

Utilities & General Data

Machine Model	Mains Electrical Supply		Electrical Loading		Control Voltage	Air Requirement	Machine Weight
	Europe	USA	Locking	Glued			
HS	380/400V, 3Ph+N, 50Hz	460/480V, 3Ph+E, 60Hz	1.3kW	5.3kW	24V dc	80 psi / 5.5 bar	1,364 kg
Machine finish	Stainless steel						

CARTONING
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FLOW WRAPPING
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STORAGE SYSTEMS
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