BOSCH
Invented for life

7000 Series Carton and Tray Former

High-speed performance to form a variety of material types and carton styles

The 7000 Series

The 7000 Series is an automatically controlled carton and tray former. It is available in a number of configurations to run a broad range of flat blank styles, materials, shapes and sizes for your specific application.

Carton Styles and Configurations

The 7000 series is designed for glue assembly of cartons and trays. Both are available in a single or dual head configuration, with the dual head offering added production options. To increase flexibility, the dual head can be configured to form two different cartons to feed two different productions lines - or trays and covers can be produced simultaneously to feed the same production line. For higher speed production lines, both forming heads can be configured to form the same carton. Whether you are running corrugate, paper board or a combination of both, the Doboy 7000 Series can do the job dependably with unparalleled flexibility to fulfill current and future production requirements.

The Doboy 7000 Series are capable of speeds of up to 60 trays per minute with a single forming head and up to 120 trays per minute with a dual forming head. Spring loaded forming heads add further flexibility by compensating for variances in corrugate and paperboard and simplifying changeover calibration requirements. Typical applications

for Doboy 7000 Series Tray and Carton Formers include bakery, frozen foods, pharmaceuticals and general consumer goods.

Your Benefits

▶ Proven, reliable and durable construction: Consistent quality, proven packaging and feeding solutions, 24/7 operation

▶ Large carton size range

▶ Available in multiple head configurations to meet the speed requirements or to add flexibility

▶ Fast and straight-forward, tool-less changeovers for most tasks

▶ Single-source solution supplier: Simplify projects and eliminate integration risk by sourcing case packing and primary packaging from a single supplier

Packaging Sytem Structure

Product Handling			Primary Packaging		Secondary Packaging		
Pick & Place	Distribution	Feeding	Flow Wrapping	Vertical Bagging	Cartoning	Toploading	Case Packing
					7000 Series		

Standard features

▶ Capable of running glue-style, lock-style and simplex
▶ Nordson® hot melt glue system with accurate adhesive application and patterns
▶ No-blank, no-adhesive photo-eye detection
▶ Fully adjustable magazine with positive four side control at pick-off
▶ Independent servo shuttle motion ensures accurate glue placement on carton blank and eliminates the need for interconnected drives
▶ Heavy duty steel frame assures permanent component alignment and minimal vibration
▶ Positive blank control minimizes rejects and material costs while maximizing production efficiency
▶ Venturi vacuum system eliminates vacuum pump noise and maintenance
▶ Color touchscreen HMI, front-mounted
▶ Barrier guarding with interlocking doors
▶ Painted steel frame
▶ Rockwell controls with 20 recipe recall

Optional features

▶ Forming heads for different carton sizes and styles
▶ Powered magazine for large, corrugate cartons
▶ Adhesive system options for different application needs
▶ Discharge conveyors for downstream carton transport
▶ Auto demand photo eye controls downstream backlog of cartons
▶ Non attendant package including multi-color light stack and low carton inventory sensing with alarm
▶ Extended leg kits to match conveyor elevation
▶ Spare parts kit
▶ Casters for easy portability
▶ Special power requirements
▶ Language options for HMI controls and manual
▶ Carton air eject
▶ Frame sizes to fit blank range

Technical Specifications

Formed Carton Size Range	min.	max.
Length (mm)/(in)	102/4.0	1060/41.7
Width (mm)/(in)	76/3.0	432/17.0
Height (mm)/(in)	25/1.0	152/6.0
Flat Carton Size Range	**min.**	**max.**
Length (mm)/(in)	127/5.0	905/35.6
Width (mm)/(in)	152/6.0	1160/45.6
Production speed (cpm)	10	60

Blank Length	Max. cycles/min
Up to 355 mm/14"	60
Up to 505 mm/19.9"	55
Up to 655 mm/25.8"	50
Up to 805 mm/31.7"	40
Up to 905 mm/35.6"	30

Magazine Capacity		
Standard length (mm)/(in)		585/23
Extended length (mm)/(in)		990/39
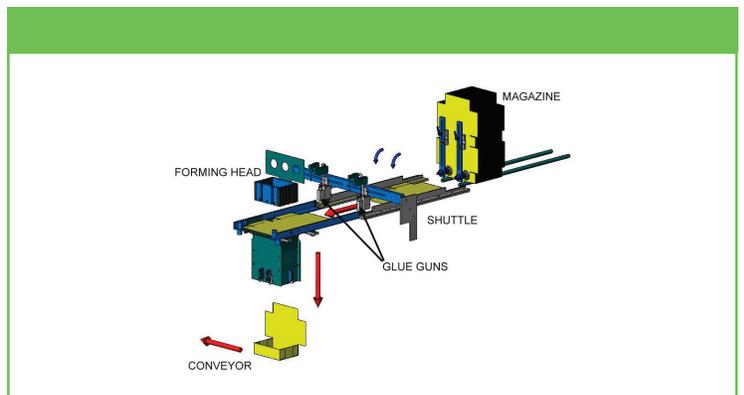
How will you load your product into your carton? Learn about our cost-saving and user-friendly robots. Average payback in 16 - 25 months!

Presto D3