

# DOBOY 7000 SERIES CARTON & TRAY FORMER.

HIGH-SPEED PERFORMANCE TO FORM A VARIETY OF MATERIAL TYPES AND CARTON STYLES

## THE DOBOY 7000 SERIES

The Doboy 7000 Series is an automatically controlled carton and tray former. It uses a servo-controlled shuttle mechanism which isolates the shuttle motion from other forming machine motions resulting in the accurate application of hot glue. 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.

## CONFIGURATIONS

Single or dual head configurations are available for the glue assembly of both cartons and trays. To increase flexibility, the dual head can be configured to form two different cartons to feed two different production 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.

## CARTON STYLES

The 7000 series is designed for glue assembly of cartons and trays. 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.

## EFFICIENT & DEPENDABLE

Whether you are running corrugate, paper board or a combination of both, the Doboy 7000 Series has the flexibility to fulfill current and future production requirements. The Doboy 7000 Series is capable of speeds of up to 60 trays per minute with a single forming head and up to 120 trays per minute with dual forming heads.

## 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 Line Structure.

Product Handling			Primary Packaging			Secondary Packaging		
Pick & Place	Distribution	Feeding	Flow Wrapping	Vertical Bagging	Bag Sealing	Forming	Closing	Loading
7000 Series								

## Standard features

- Capable of running glue-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	102 mm / 4"	1060 mm / 41"
Width	76 mm / 3"	432 mm / 17"
Height	25 mm / 1"	152 mm / 6"
Flat Carton Size Range	min.	max.
Length	127 mm / 5"	905 mm / 35"
Width	152 mm / 6"	1160 mm / 45"
Production speed	10 cpm	60 cpm
Blank Length	Max. cycles/min.	
Up to 355 mm (14")	60	
Up to 505 mm (19")	55	
Up to 655 mm (25")	50	
Up to 805 mm (31")	40	
Up to 905 mm (35")	30	
Magazine Capacity		
Standard length	585 mm (23")	
Extended length	990 mm (39")	
Electrical		
Standard supply (VAC)	230V	
Power supply frequency (Hz)	60HZ	
Control circuit (VDC)	3PH	



Dual head 7500 Series application pictured above.

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