

# Doboy Cobra Carton Former.

FORMING MACHINE FOR HOT MELT, LOCK OR SIMPLEX CARTONS.

## CONSTRUCTION

The Cobra features a modular, open, formed frame allowing for easy access for adjustments, maintenance, and reduced vibrations. Polycarbonate guard doors with safety interlocks provide increased safety for the operator while keeping dust out.

## DRIVE & CONTROL

The Cobra features a PLC for accurate gluing patterns and a variable speed inverter drive which provides trouble-free timing between picker arms and reciprocal forming heads. The operator interface keypad allows for simple product setup, troubleshooting, and fast changeovers with a 16 recipe menu.

## CARTON BLANK MAGAZINE

The large capacity carton blank magazine on the Cobra features a locking stack pusher and inclined carton advance assist. The magazine is fully adjustable and has loading access on three sides.

## CARTON TRANSPORT

The unique carton blank transport mechanism, the S-cam, provides positive, four side blank control from magazine picking through forming head placement. The spring-loaded vacuum cup pick-off assembly compensates for material variance.

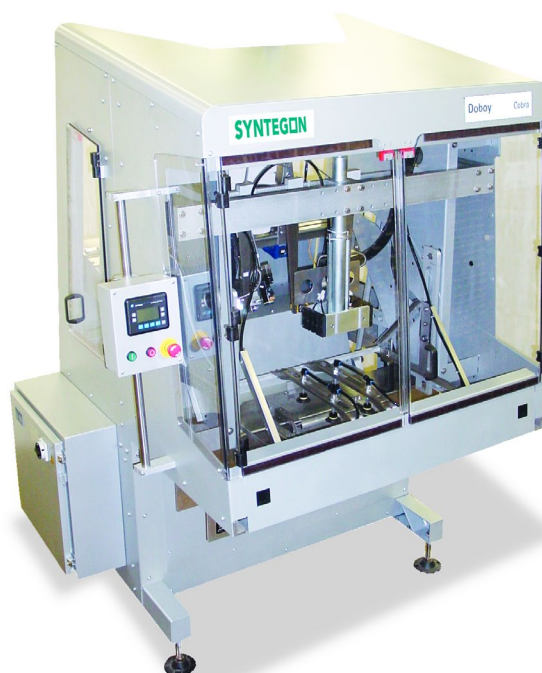
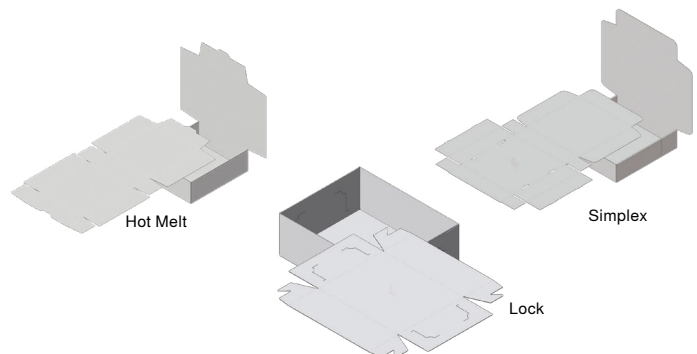
## GLUE UNIT

The Nordson hot melt glue system provides up to 330mm (13") of accurate, uninterrupted hot melt application while controlling the carton blank position, distance, and velocity. Adhesive will not be released if the photo-eye doesn't detect a carton blank, minimizing wasted product.

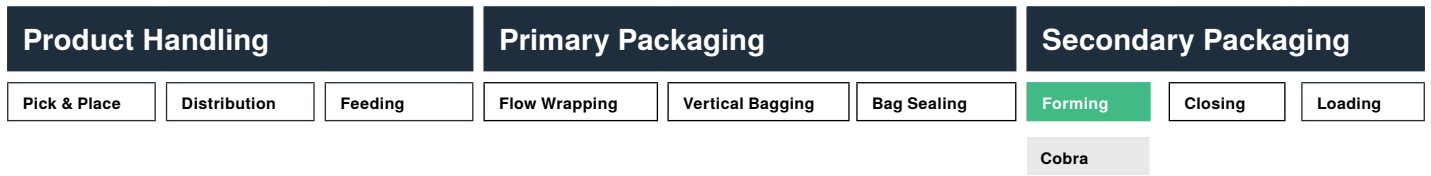
## CARTON FORMING

A spring-loaded forming cavity helps to compensate for material advances while also applying even compression to the carton flaps to ensure a strong, quality seal.

## CARTON STYLES



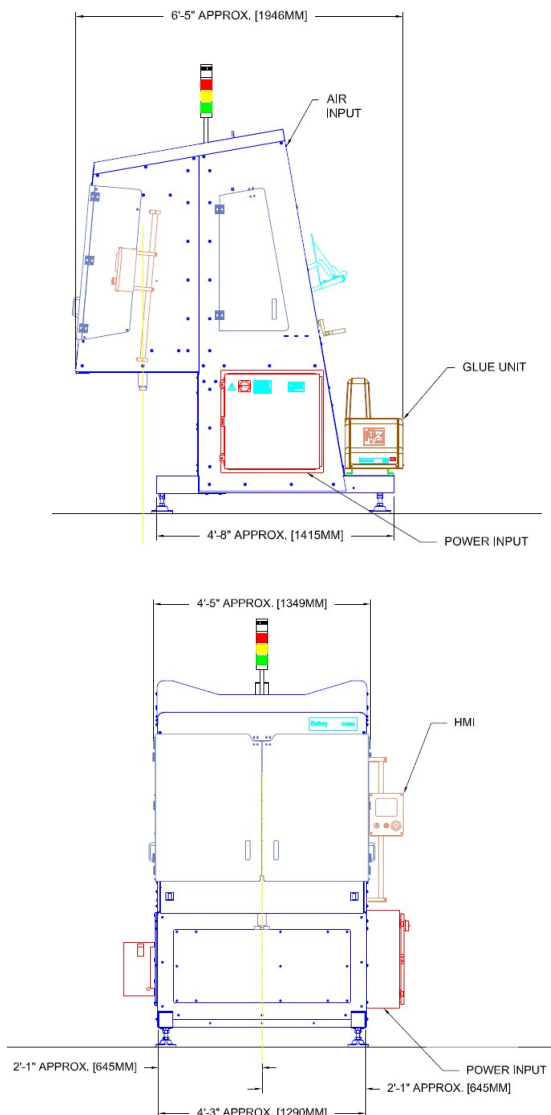
# Packaging Line Structure.



## Available Options

- ❑ Stainless steel frame
- ❑ Additional forming heads for different carton sizes
- ❑ Adhesive system options
- ❑ Discharge conveyors
- ❑ Auto demand photo-eye
- ❑ Non-attendant package
- ❑ Extended leg kits
- ❑ Spare parts kit
- ❑ Casters
- ❑ Special power requirements

## Footprint



## Technical Specifications

Formed Carton Size Range	min.	max.
Length	102mm (4")	432mm (17")
Width	76mm (3")	330mm (13")
Height	25mm (1")	152mm (6")
Carton Blank Range	min.	max.
Length	126mm (4.9")	655mm (25.8")
Width	152mm (6")	736mm (29")
Capacity	max.	
Production Speed	Glue style: up to 35 cpm Lock style: up to 45 cpm	
Magazine Capacity	380mm   15" (20 minute run time)	
Mechanical Dimensions		
Frame Width	1300mm (51.1")	
Height	2400mm (94.5")	
Forming Head Blank Height	900mm (35.4")	
Electrical	230 VAC, 60 Hz, 3ph (20 Amp)	



### How will you load your cartons?

Learn how you can automate your carton loading with our modular, user-friendly robots.

Average payback in 12 - 18 months!

Syntegon Packaging Technology, LLC.

869 South Knowles Avenue

New Richmond, WI 54017 USA

Phone +1 715 246 6511

Fax +1 715 246 6539

Mail sales.packaging-nrd@syntegon.com

Web www.syntegon.com/products/doboy-cobra

Subject Cobra

Date 06.2020

Department PAUD/MKT