



BC BARREL CAM AUTO LOAD CARTONER



Stout Auto-loader Handles the Toughest Production Environments

The BC series of machines are the main stay of ADCO's horizontal automatic load cartoner lineup. Heavy-duty construction and a simple design have made the BC a leader in the industry.

The BC series cartoners are available in 3 standard models; the Short 12' (3.66m) SBC, Regular 16' (4.88m) BC, and Long 20' long (6.10m) LBC. Each model is specified depending on your carton and product needs. Machine speeds ranging from 10 to 400 cartons per minute are available.

The BC series machines will give years of dependable performance by incorporating captured #60 flight chains with a robust drive system that includes a standard variable speed AC gear motor, main drive overload protection, line shaft and heavy duty gearboxes. These components are uniquely mounted outboard the main frame behind removable guard panels for easy maintenance, adjustment and cleaning. All BC series machines feature a heavy-duty frame that is constructed out of #7 gage (5mm) formed steel – welded and powder coated to make a stiff unitized

assembly. The BC's utilize a PLC control system and a color touch screen to provide an easy to use operator interface. Electrically interlocked barrier guarding protects the operator and conforms to current safety requirements.

These machines have been designed to handle a wide range of carton sizes and product types – with quick adjustability in all three dimensions. The barrel cam product inserter features an auto-retract system with adjustable overload sensing to protect against jams, which can damage the product and/or machine. Standard no product/no carton and no carton/no load features combine to provide a fully automatic system. Powered takeaway belts are standard to assure positive carton discharge off the machine.

Automatic product handling and indexing can also be integrated depending on the products to be packaged. The BC is also available with optional washdown construction featuring NEMA 4x (IP 65) electricals, hard anodized aluminum, aqua chain and stainless steel components – there are no plated parts to rust.

FEATURES / SPECIFICATIONS

BC Barrel Cam Auto Load Cartoner

STANDARD FEATURES:

- Right or Left hand load construction
- Continuous motion
- Multi-head rotary carton feeder
- Horizontal powered carton hopper
- Automatic barrel cam inserter with retract system
- 7' (2.13m) product infeed conveyor frame [6' (1.83m) usable]
- Fully adjustable product infeed and transfer chains
- Powered takeaway belts at discharge end of machine
- Unloaded product discharge conveyor with chute
- PLC control system with color touch screen control panel
- Captured #60 nickel plated flight chains
- No product/No carton and No carton/No load sensing
- Group lubrication (cluster)
- Variable speed drive system
- High volume vacuum pump
- Main drive overload protection
- Gull Wing style barrier guarding - electrically interlocked

- Mild steel frame with powder coat paint
- Castors for portability and leveling feet
- NEMA 12 (IP55) electrical enclosures
- 24vdc control circuit

OPTIONS:

- Pressurized hot glue system
- Tablock tuck closure
- Heat seal system with water cooled plows, guides, and compression
- Mechanical deboss or ink jet coder
- Intermittent motion
- Extra long product infeed conveyor
- Digital readouts for size changes
- Phase variators for depth and length of opening changes
- Static or traveling overhead product confiners
- Open flap detect and reject system
- Washdown construction
- European Model with CE certification and soft metric construction



A multi-head rotary carton feeder, combined with no product/no-pick logic is used to efficiently pick and erect cartons at any speed.



The ADSCO BC-series utilizes a heavy duty design with no-carton/no-load logic for maximum machine uptime and minimal waste



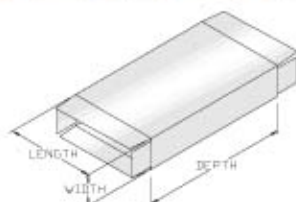
Non-loaded products are cleanly removed from the machine by the standard discharge conveyor.



The ADSCO BC-series cartoners can be equipped with optional product indexers such as an Overhead Sweep (shown) and/or Smart Belts for increased automation.

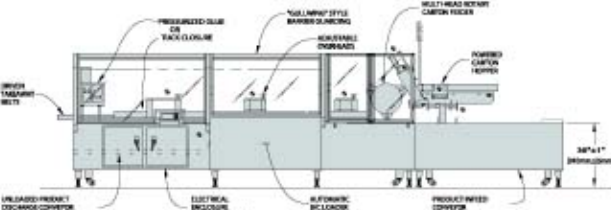
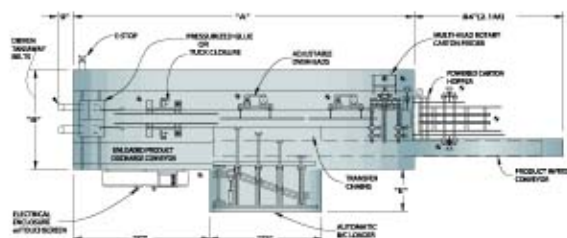
CARTON SIZE RANGE

MODEL	LENGTH		WIDTH		DEPTH	
	min	max	min	max	min	max
SBC	1" (25mm)	7" (240mm)	3/4" (20mm)	2.5" (65mm)	4" (100mm)	7.5" (190mm)
BC	1" (25mm)	9.5" (240mm)	3/4" (20mm)	3" (75mm)	6" (150mm)	10" (255mm)
LBC	1" (25mm)	9.5" (240mm)	1" (25mm)	4" (100mm)	6" (150mm)	15" (380mm)



MACHINE DIMENSIONS

DIM	SBC	BC	LBC
A	144" (3.66m)	192" (4.88m)	240" (6.10m)
B	48" (1.22m)	56" (1.42m)	63.5" (1.61m)
C	57" (1.45m)	77" (1.96m)	93.5" (2.37m)
D	53" (1.35m)	63" (1.60m)	87" (2.21m)
E	24" (0.61m)	24" (0.61m)	33" (0.84m)



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