

CA 1800 Introduction

The CA 1800 is a PLC controlled carton erector and bottom flap sealer. It has two (AUTO or HAND) general modes of operation. The AUTO mode continuously cycles carton operation and the HAND mode interrupts carton cycle operation as signaled by a photoeye at the exit conveyor. In these modes, the machine generally operates in a repeated cycle of carton grabbing, squaring / opening of the carton, bottom carton flap folding (by action of a plow and flap kicker), bottom flap tape sealing, and carton exit to the conveyor.

To begin operation, the CA 1800 machine is setup by the operator to run a carton size according to the *Carton Setup* procedure. After proper carton setup, cartons are loaded onto the side magazine assembly and the machine is turned on according to the MACHINE STARTUP procedure. Carton cycling then repeats, and the only operator requirement for continued operation is the regular reloading of the magazine as it gets low.

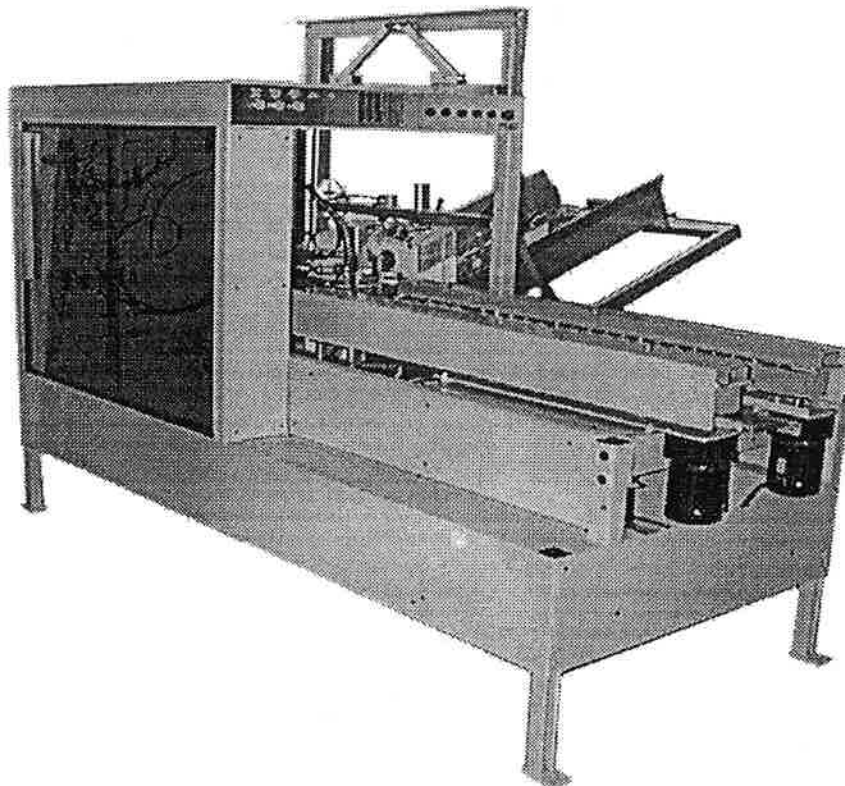


Fig. 1. CA-1800 Main View

CA 1800 SPECIFICATIONS

Case Sizes (Standard)

	Minimum	Maximum
Length	9" (18 cm)	15" (40 cm)
Width	6" (15 cm)	15" (36 cm)
Height	5" (12 cm)	15" (36 cm)

A few combinations of minimum or maximum case sizes may not be usable. Always provide the factory with case dimensions to be used before the machine enters production.

Magazine Capacity

Standard: 100, 32 ECT (200#BT) Cases
Extended: 175, 32 ECT (200# BT) Cases

Throughput Specifications

Maximum: 18CPM (Cases Per Minute)
1080 CPH (Cases Per Hour)

Continuous mode converts cases at a rate not greater than 18 CPM to maintain a pre-determined accumulation of boxes, controlled by a photoelectric sensor.

Machine speed is directly related to case size. Speed is set for the largest case to be used.

Case Sealing Method

A single, U-shaped piece of machine grade Pressure Sensitive Tape (PST) is mechanically applied. Two Inch tabs are standard. Applicators are available for widths of 2, and 3 inch tape. Two inch is standard.

Power Requirements

Pneumatic: 80 PSI at 11CFM
Electric: 115 VAC, 60 Hz, 7.2A

Machine Specifications (Standard)

Table height:	23 1/4 - 36"	(58-92 cm)
Length:	85"	(215 cm)
Width:	85"	(215 cm)
Maximum Height:	64"	(163 cm)
Weight:	1200 lbs.	(560 kg)

Options

Right or Left Case Loading
NEMA 4 Wiring
Power Lockout
2 or 3" Wide Tape Applicator
Casters