AFA Systems
Packaging Automation

MK-SBA - Sliding Bucket Autoload Cartoner

The MK-SBA is a highly flexible cartoner that can pack a wide range of product applications. From confectionery products to pharmaceuticals the MK-SBA can handle your product with ease. The servo driven sliding article bucket ensures quality loading with minimal product jamming. In addition, servo technology improves fault diagnostics and speeds. Standard No Product, No Carton, No Load feature helps to minimize energy usage. Also, standard on the MK-SBA are stainless main drive shafts and frame, U.H.M.W. chain rails, quick change adjustments and PLC controls with panel view touch screen operator station. These features provide numerous benefits including long life and quiet and efficient operation.
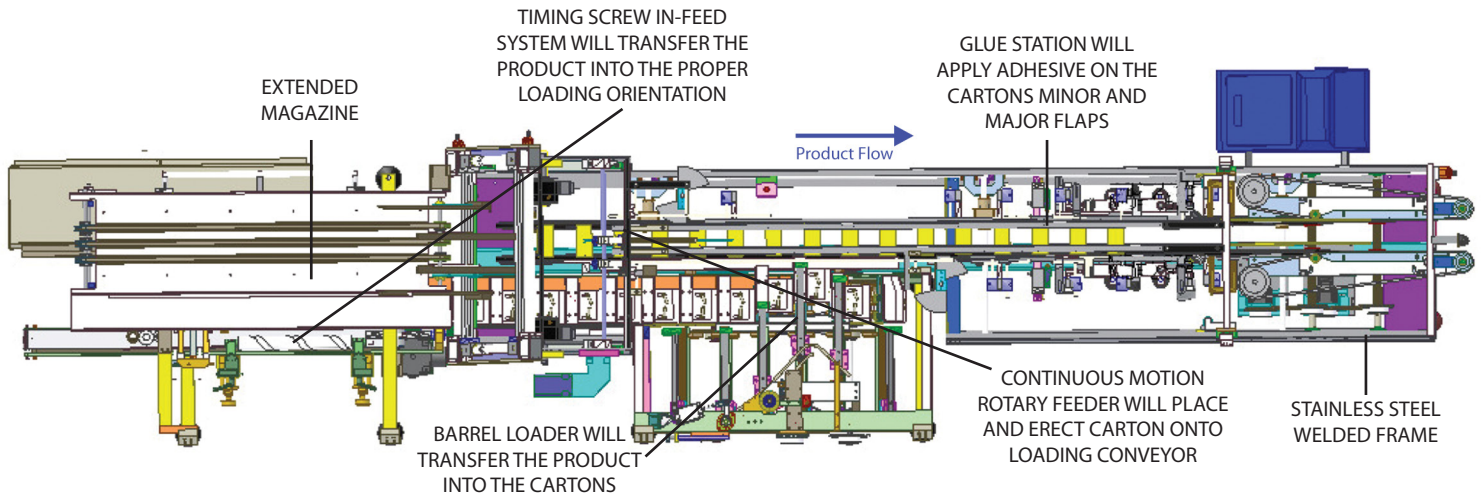
Features

» Rapid single point depth adjustment with line shaft and linear ball screw assemblies

» Easy accessible drive system that simplifies maintenance

» Stainless steel side frame plates with welded spine

» Mounting locations for optional equipment

» Full guarding with safety interlocks

» Capability of running glue and tuck style cartons

» Modular design ensures simple operation and maintenance

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Typical Floor Plan

EXTENDED MAGAZINE

TIMING SCREW IN-FEED SYSTEM WILL TRANSFER THE PRODUCT INTO THE PROPER LOADING ORIENTATION

GLUE STATION WILL APPLY ADHESIVE ON THE CARTONS MINOR AND MAJOR FLAPS

Product Flow

BARREL LOADER WILL TRANSFER THE PRODUCT INTO THE CARTONS

CONTINUOUS MOTION ROTARY FEEDER WILL PLACE AND ERECT CARTON ONTO LOADING CONVEYOR

STAINLESS STEEL WELDED FRAME

Key Components

Digital scales allow operators to reference different carton and product configurations. This reduces changeover time resulting in better overall packaging efficiency.
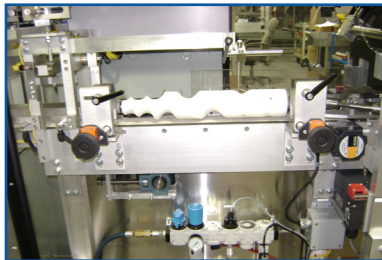
High speed bottle in-feed system with quick change timing screw coupling. This component reduces changeover time when switching carton and product sizes.
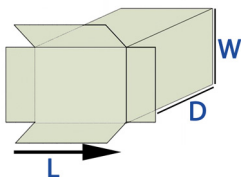
Swing arm operator panel offers an ergonomic solution for operators when troubleshooting machine faults. This feature also helps operators maintain the cartoner.

Carton Size Range

Standard (Special)		L	W	D
Size Ranges (Inches)	min.	1/2	1/2	5 (2.5)
	max.	14	6	14 (20)

* If size outside carton size range please check with AFA Representative

W

D

L

Process

CARTON FEEDER TRANSFERS CARTON BLANK ONTO LOADING CONVEYOR

TIMING SCREW IN-FEED SYSTEM TRANSFERS BOTTLES INTO BUCKETS

AUTOMATIC LOADER TRANSFERS BOTTLES INTO CARTONS

CONVEYOR TRANSFERS BOTTLES TO LOADING STATION