

Vertical Cartoning Machine BIPAK CAR03002



Technische Daten			
Year of manufacture:		2015	
Output und speed:			
Intermittent: Mechanical speed	Min.	5	cycles/min
	Max.	60	cycles/min
Continuous:	Min.	10	cycles/min
	Max.	120	cycles/min
Production output :			cartons/min
Intermittent:	Min.	5	cartons/min
	Max.	50	cartons/min
Continuous:	Min.	10	cartons/min
	Max.	100	cartons/min
Weight & Dimensions (manual machine):			
Depth:		1845	mm
Length:		3600	mm
Height:		1840	mm
Weight approx.:		1350	kg
Utilities:			
Air requirements:		6	bar
Length:		50	NI/min
Power supply		400 V 50 Hz 3 Ph + ground + N	
Power consumption		2 (without hot melt)	kw
Material Specifications:			
Pre-glued cartons with the following outside size range			
A		Min: 20 ; Max: 120	mm
B (70 mm with reverse carton opening)		Min: 18 ; Max: 80	mm
C		Min: 50 ; Max: 250	mm
Operating Conditions:		Standard packaging room environment	

Description:

The Bipak machine is a semi-automatic vertical cartoner running in continuous or intermittent motion. It is suitable to pack any type of product loaded by the operator into pre-glued cartons with reverse flaps tuck-in closure. The machine is pre-arranged for the installation of automatic product feeding systems.

Key Features:

- Intermittent and continuous motion selectable from operator panel;
- Base machine includes all format parts necessary to handle the whole carton size range;
- Large area to load the product into the carton enables access up to 4 operators;
- Carton opening by means of vacuum suction cup system;

Description:

Cartons are picked-off one after the other from the magazine by means of suction cups, opened and placed between a lug transport chain.

An helical guide opens the upper carton flaps making product introduction easier.

Passing through the various subsequent stations, the lower carton flaps are closed.

After the automatic or manual insertion of the product into the carton, the carton upper flaps are closed and the cartons are transferred to the outfeed conveyor.

Design Criteria:

- Flexibility
- Ergonomy
- Compliance to EC regulations
- Materials Utilized
- Painted RAL 9007 steel lower bedplate; upper structure in painted aluminium
- Nickel plated polished steel for parts in contact with cartons
- Stainless steel cover to separate the working area from machine inside mechanical parts

Specification of Standard Components included in Base Machine

Mechanical

- Set of change parts to cope with all carton sizes within the machine range and with reverse tuck in closure
- Toothed belt for carton transport, standard pitch 203.2 mm
- Easily loaded carton magazine with automatic feed
- Carton picking off and forming carried out by vacuum cups system (Venturi vacuum generator)
- Carton conveyor belt at the exit (580 mm long)
- Moving parts mounted on ball bearings and self-lubricating
- Venturi vacuum generator

Elektrik & Elektronik

- Sensor to detect the carton minimum load in the magazine
- Sensor to detect products partially inserted into cartons
- Jog-Taste

Controls

- Sensor to detect the carton minimum load in the magazine
- Sensor to detect products partially inserted into cartons

Safety devices

- Polycarbonate safety guards with anodized aluminium frame
- Schmersal microswitches on the openable safety guards
- Double E-stop button (front and rear side) installed on the operator panel

Standard Application

The standard machine is supplied ready to work cartons with reverse tuck-in closure



