

## *TM-120 Series Automatic Pharmaceutical Cartoner*



This medicine cartoning packing machine mainly includes seven parts: medicine in-feed mechanism, pharmaceutical in-feed chain part, carton suction mechanism, pusher mechanism, carton storage mechanism, carton shaping mechanism and output mechanism.

It is suitable for products like pharmaceutical tablets, plasters, masks, foods, and similar shapes, etc.

This cartoner automatically counts and feeds in the tablets or similar products and cartons, sucks and folds the manuals, opens the cartons, pushes the products into the cartons, prints the codes, seals the cartons and transfer the finished products out. There are two types of sealing for the cartons: tucker type and glue type, which can be chosen by customers' actual needs.

The feeding part can be customized according to actual needs.

This machine can be used independently or in a production line, communicating with upstream and downstream machines together.

### **Characteristics**

1. PLC control with HMI, easy for operation and maintenance.

Operators can check the production status, set the parameters according to actual production needs. When there's faulty alarm, the faulty reason can be shown on the HMI for easy analyse.

2. The main motor speed is controlled by VFD. VFD controls the incremental angle encoder, which acts instead of traditional cam mechanism, more preciser for positioning.

3. This machine is equipped with alarm function.

If the operation is wrong, it will stop automatically. When the machine runs exceeding or below the set value, it will automatically alarm. It is equipped with E-stops. When the E-stop buttons are pressed, all pneumatic and electric control functions will be turned off. In addition, an overload torque protector is designed at the power input part for stopping the machine immediately when it encounters overload during operation. Moreover, the cartoning packing machine is equipped with plexiglass safety cover to protect the operators from possible hurts

## Technical Parameters

Speed		30-120 cartons/min(Depends on the sizes of the cartons)
Carton	Specification	250-350g/m <sup>2</sup> (needs checking carton sizes)
	Size (L×W×H)	(70-200) mm× (30-80) mm× (15-60) mm
Manual	Specification	60-70g/m <sup>2</sup>
	Unfolded size (L×W)	(80-250) mm× (90-180) mm
	Folds (L×W)	1~4 folds
Compressed air	Air pressure	≥0.6mpa
	Air Consumption	120-160L/min
Power supply		380V 50HZ (Can be customized)
Main Motor		1.5kw
Dimension (L×W×H)		3400mm×1200mm×1750mm
Weight		About 1200kg