

## *LC-100B Automatic Cartoning Machine*



Multi-function cartoning machine is my latest product development, with small size, light weight, wide range of applications, high production efficiency, can be a multi-purpose and other advantages.

The machine can be a variety of items for packaging, and at the same time for food packaging, cosmetics packaging and related industries packaging. Wide range of use, according to the user's different requirements for large quantities of single varieties of production, while Can meet the user's small batch of multi-species production, carton export can be used with various types of box film packaging equipment to match.

1. Cartoning machine running for the intermittent design, PLC control, simple structure, easy maintenance. The machine uses a series of complex transmission, imitation of human action to automatically complete the next box, open the box, and sealed boxes and other complicated processes.
2. The whole box packing speed. But the packaging material running speed is low, so that the packaging material on the running speed of the sensitivity to reduce the adaptability of packaging materials, mechanical wear of the machine is small, its characteristics: high yield, low mechanical speed.
3. The vacuum used by the machine is ZL112 vacuum generator (SMC), automatic vacuum box, large angle open box. To ensure the opening accuracy of the box.
4. Into the box system for intermittent operation, equipped with push load protection function to protect the security of goods into the box. (Protection of man-machine safety)

5. The machine adjustment, maintenance more convenient. Optional variety of ways and other devices. Replace the different size of the carton, no need to replace the mold, only the size of the box to adjust the positioning.
6. The machine frame and the board has sufficient strength and stiffness, the rack is equipped with the machine's main drive motor and clutch brake, the board is equipped with the drive system, torque overload protection can be achieved in the case of overload The main drive motor and the drive section are disengaged to protect the machine parts from damage.
7. Security:
  - No product: not dropping box, the machine automatically shut down and alarm.
  - With product: no box(or box not in form), the machine automatically shut down and alarm.

### **LC-100A multi-functional automatic box production line Technical Overview:**

1. Machine designed and manufactured according to GMP standard workshop space.
2. The whole functional area separated design, the use of imported optical eye tracking, testing automatic control machinery operation.
3. When product automatically put into plastic cork base, can be achieved automatically into the box and seal the box.
4. The whole mechanical action of the station has a very high electronic automatic synchronization, so that the operation of the machine more coordinated, more balanced, low noise.
5. The cartoning machine, simple operation .PLC programmable control, touch-type man-machine interface.
6. The machine's PLC automation control system output interface, you can achieve the latter part of the packaging equipment, real-time monitoring.
7. A high degree of automation, a wide range of control, high control accuracy, sensitive control, good stability.
8. Less spare parts, simple structure, easy to maintenance.
9. The low decibel design (equipment operating noise  $\leq 75$  dB).
10. The line maximum production speed of 100 boxes / minute, stable production speed: 30 - 100 boxes / minute.
11. The whole line foot with threaded feet, height adjustable.

### **The main performance characteristics:**

1. The use of automatic feeding, open the box, into the box, batch number, sealed box, tick waste and other forms of packaging, compact and reasonable, easy to adjust the operation;
2. The use of servo / stepper motor and touch screen, PLC programmable control system, man-machine interface display operation more clear and simple, high degree of automation, more humane;
3. Empty package no dropping box, to maximize the savings of packaging materials;
4. A wide range of packaging, easy adjustment, a variety of sizes can be achieved between the rapid conversion;
5. Change size no need change mould, just adjust mould it's ok.
6. The use of items into the box is not in place automatic shutdown and the main drive motor overload protection device for more secure and reliable;
7. According to customer requirements, using the flip-type security shield, easy to operate, beautiful appearance.
8. With aluminum-plastic packaging machine, pillow packaging machine, three-dimensional packaging machine, bottling line, filling machine, labeling machine, Pen Maji, online weighing instrument, other production lines and other equipment to achieve linkage production;
9. According to the packaging requirements of the design of a variety of automatic feeder and into the box system;
10. According to customer requirements matching hot

**Technical parameters:**

<b>project</b>	<b>parameter</b>	<b>Remarks</b>
Boxing speed / output	50-100Box / min	
Machine size	3300×1550×1560	L×W×H
Carton size range	Min. 50×20×14mm	A×B×C
	Max. 250×150×80mm	A×B×C
Carton material requirements	White card 250-350g/m <sup>2</sup>	
	Gray card 300-400g/ m <sup>2</sup>	
Compressed air pressure / air consumption	≥0.6Mpa/≤0.3m <sup>3</sup> 分	
Power / total power	1.5KW	
Main motor power	1.5KW	
Total Weight	About 1000Kg	