

Skin Packaging Machine

Model: SP-2008

Operator's Manual

Catalogue

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1 Machine Overview

Skin pack, or skin packaging, is a type of carded packaging where a product (or products) is placed on a piece of paperboard, and a thin sheet of transparent plastic is placed over the product and paperboard. This kind of packaging not only has the function of moisture-proof and dustproof, but also can make the products have a good looking.

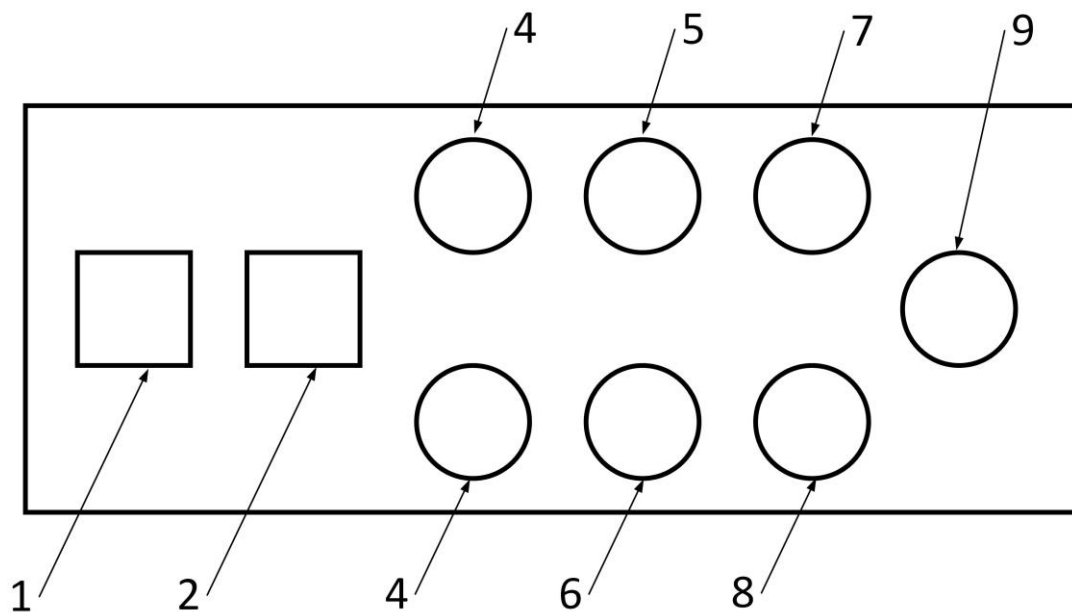
Skin pack, or skin packaging now is widely used to package products such as hardware, toy, stationery, glasses, small daily use articles, battery, handicraft, auto fitting, electric appliance part, souvenir, etc.

SP-2008 Semi-Automatic Skin Packaging Equipment with all the latest features to meet most skin packaging production requirements. This is an economically priced, free-standing skin packaging machine designed to meet most skin packaging production requirements. This skin packaging machine is the most reliable skin packaging machine in the business for professional use and long-term reliability. This is a completely self-contained machine, only requiring a single electrical connection for full operation.

2 Technical Details

Model	SP-2008
Max. Card Size	18" × 24" (455mm × 610mm)
Max. Film Width	20" (508mm)
Max. Product Height	2-3/8" (60mm)
Max. Packing Speed	3 -6 pcs/min
Voltage	230V ± 10%, 3 phase, 60Hz
Power	7kW
Packing material	PVC, PE

3 Control Panel Introductions



- 1) **HEATING TIME**
- 2) **PUMPING TIME**
- 3) **JOG-FILM UP**
- 4) **JOG-FILM DOWN**
- 5) **AUTO**
- 6) **HEATING**
- 7) **INDICATOR**
- 8) **POWER ON/OFF**
- 9) **EMERGENCY**

5 Check

Before starting the machine, we need to do the following check

- 1) Check the power indicator lights are on after connecting the power cord and turning on the power switch.
- 2) Press down the button **JOG – FILM UP** to make the film-clipping frame go up. Make sure the film-clipping frame can stop by itself before it touches the heating box.
- 3) Press down the button **JOG – FILM DOWN** to make the film-clipping frame go down. Make sure the film-clipping frame can stop by itself when the upper surface of the film-clipping frame is flush with the work surface.

- 4) Press down the button **AUTO** to make the film-clipping frame go up. Make sure the film-clipping frame can stop by itself before it touches the heating box. Press down the button **HEATIN**, make sure the machine can work as following: when heating time reaches the set values, the film-clipping frame will go down by itself; then machine begin to pump the air, when the pumping time reaches the set values, the machine stops.

Note: Move the distance switch up or down if the film-clipping frame moves too high or too low. It has already been adjusted to the right position normally.

4 Operation Method

- 1) Normally set **PUMPING TIME** between 5 seconds and 15 seconds, set **HEATING TIME** between 25 seconds and 45 seconds. It depends on the products and the film.
- 2) Put the products on the cardboard
- 3) Fix the film in the iron tray
- 4) Press the button **AUTO**
- 5) Pull the cardboard to the middle of the machine worktable
- 6) Press the button **HEATING**
- 7) Take out products. And the packaging process is finished.

6 Maintenance

Daily maintenance consists of the following:

- 1) Before the end of the day, clean dust, rubbish and dirty oil on the machine; check the condition of the heating wire; put Every time after finishing working, clean dust, rubbish and dirty oil; check the condition of heating wire; put grease on the lifting shaft.
- 2) After 500 hours work, put grease on lifting structure including gearbox, chain and track; check the oil in the vacuum pump, make the oil level is no less than 1/2.
- 3) Inspect the motor regularly and make up for lubricating oil in time.
- 4) Special notice:
 - a) The electronics and circuit in the electrical box should be checked up completely once a year and exchange the unqualified parts in time; measure the insulation resistance and keep it in 2Ω .
 - b) Check the earth wire often to ensure its security
 - c) Disconnect the power before repair.

7 Troubleshooting

Failures	Reasons
Not be pack fully	Time of heating is not enough
	Time of vacuum is not enough
	Working room is leaking
Film is broken	Time of heating is too long
	Vacuum pressure is too high
	Gap of multi-hole board is too much
Lifting shaft is running unstable	Leading wheel or chain is too loose

8 Packing List

NO.	Item	SPEC.	Qty.
1	Operator's manual		1
2	Heater	4.7 Ω	5ps
3	R11-R15 breaker core	15A	5ps
4	Film tray		1ps
5	Tools		1set

9 Electrical Schematic Diagram

