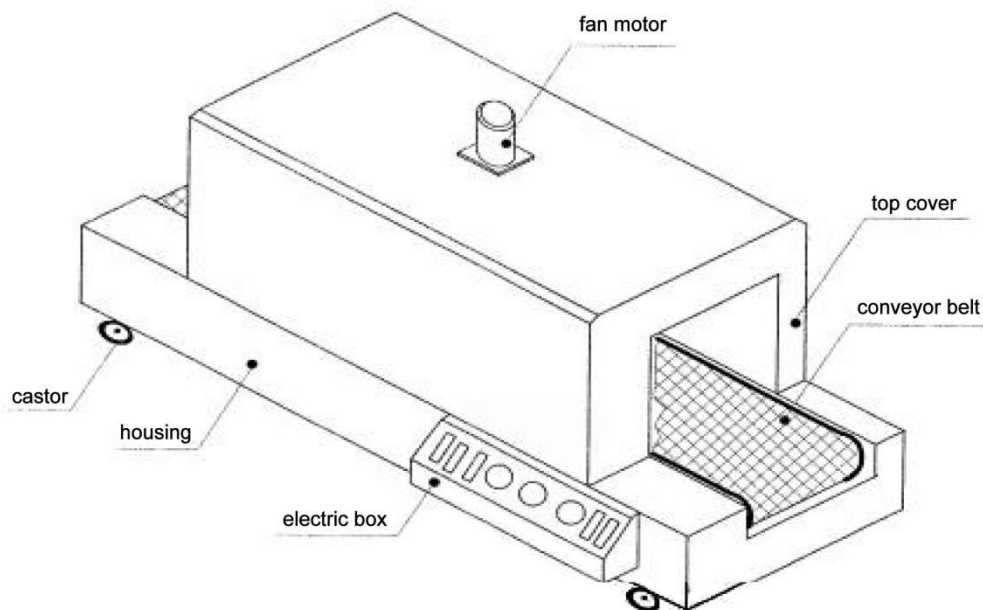


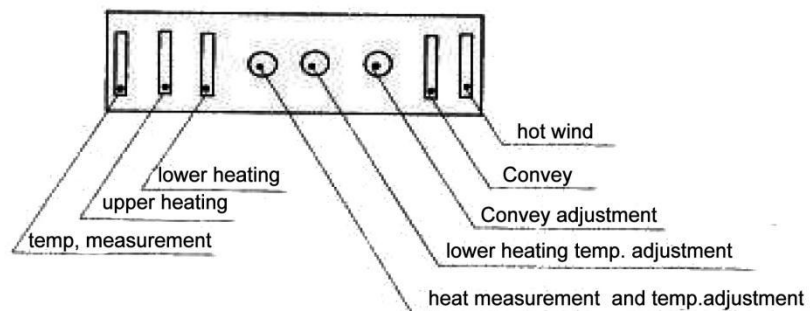
BS-400 SERIES FAR INFRARED SHRINK PACKING MACHINE

OPERATION MANUAL





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Charaeteristies:

BS-400 type far infrared shrink packing machine is the latest domestic auto shrinking package machine, which adopts quartz far infrared tube to heat, power saving and efficient (saving more than 15% power); the shrinking temperature and the speed of motor are steady and adjustable in wide range, the originally-created roller auto rotation device can continuously work, Thus, this product has features such as advanced design, steady and reliable performance, high efficiency, good shrinking effect, novel structure, convenient operation and service, and is applicable for any shrinking packages with shrinking films.

Main technical parameters:

Item Code	CS-DBJ-4020	CS-DBJ-6030
Voltage	110VAC / 220VAC	110V/220V
power	6.6KW	6.6KW
Conveyor loading	22lb(10kg) maximum	22lb(10kg) maximum
Conveyor speed	0-10m/min Adjustable	0-10m/min Adjustable
Shrink film	PVC, POF, PP	PVC, POF, PP
Shrinkage temperature	0~300℃	0~300℃
Tunnel size	30.7*15.7*7.9in (780*400*200mm)	30.7*23.6*11.8in(780*600*300)
Machine size	43.3*22.4*26.4in (1100*570*670mm)	43.3*30.3*30.7in(1100*770*780mm)
Vet weight	132lbs (60kg)	189.2lbs (86kg)
Gross weight	238lbs (108kg)	448.8lbs (204kg)

Operation precautions

1. Check whether all the accessories are completed after unpacking the machine
2. Keep the machine even before use after installation.
3. Before operation, check whether each part is in order and ensure the machine well-grounded to avoid induction and guarantee safe operation.
4. After start up, observe whether heating pipes turn red to make sure whether it is in normal working state
5. The temp. in shrinking chamber shall be below 200℃. Limitless temp. rising is strictly prohibited lest the electric circuit shall be aged early and possible shortcircuit shall cause damage of electric elements and shorten service life.
6. After the shrink package, turn off the heating switch. Do not stop the machine until the motor has run for 10 to 20 minutes. Otherwise, it will shorten the service life due to heat concentration.
7. Regularly oil the rotating bearing and chain to ensure normal operation.

Troubleshooting

1. No heating in shrinking chamber.
 - a. Poor connection of power supply, change the switch
 - b. Fuse throws off, displace it.
 - c. Thermostat out of control and poor connection, change solid state pressure regulator.
 - d. Heating tube throws off or loose wire connection,
2. Drive motor does not work:
 - a. Malfunction of switch of motor, change it.
 - b. The speed regulator is at zero position;

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Normal mode

1. Connect 220V external power supply and turn on the power switch on the control panel and power indicator light is up;
2. Turn on motor switch on the panel;
3. Turn on heating switch on the panel;
4. Preheat the machine by adjusting the motor speed regulator and temp. Setting knob of temp controller to proper position;

For general shrinking film temperature and time, refer to the following table:

Shrink film	Polyvinyl Chloride	Polypropylene	Polyolefin Shrink Film
Abbreviation	PVC	PP	POF
Thickness	0.02-0.06MM	0.02-0.04MM	0.03-1.10MM
Heating time	5-10S	6-12S	8-16S
Shrink chamber temperature	110-130°C	130-170°C	130-170°C

5. Cover the goods with shrinking film and place them on the roller at the entrance.

Application:

Shrinking package is one of the advanced packaging methods in current international market, which covers shrinking film over the products or packages, then heats it to make the packaging material to shrink to wrap the products or packages, to fully show the appearance of goods, increase the exhibiting ability of goods, and improve the looks and value: meanwhile, the packaged goods have the functions of sealing.

dampproof antipollution, and impact absorption protecting against outer impact especially for the packaged wares this kind of packaging method can protect them from being splashed when broken, Additionally, it can decrease the possibility of the goods being unpacked or thieved, the tensile force caused during the shrinkage of the shrinking film can wrap a group of goods to be packaged like a bundling rope. especially applicable for the package of group and pallet of multi goods, Therefore this product can be widely used in the shrinking package of goods such as light industry, food and drinks, candies, culture articles, arts and crafts, printing products medical products, chemical industry, hardware and electrical elements.