FR-900 Multi-purpose Membrane Sealing Mach **Operational Manual**

Before operation, please read this operational manual carefully

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6. WAY TO USE -----7. WAY TO CHANGE THE HORIZONTAL TYPE INTO

THE VERTICAL ONE -----

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1. PURPOSE OF THE PRODUCT

aling material by the temp

ted, then the bag is cooled in cooling area, its sealing

Vertical type: 850X320X550(mm)

Console type: 850X420X1000(mm

Quantity

K321 B/N 0V 220W DA8001 or TE2001

10 11

2. Rubber wheel 4.Inker wheel se

6. Driving wheel

8.Cooling block

10. Sealing brai 12. Driven wheel

d veins or the necessary words.

The machine is suitable for sealing and bag-making of various

plastic and compound films it is a best sealing equipment to be

ridely used in such sectors such as food, pharmaceutical, chemical industry, daily cosmetics, native and special local p

5. ELECTRICAL SCHEMATIC DRAWING AND TABLE--

1. PURPOSE OF THE PRODUCT----2. PERFORMANCE AND CHARACTERISTICS 3. CONSTRUCTION AND WORKING PRINCIPLE

MAIN SPECIFICATIONS--

vegetable seeds, electronic components etc.

2. PERFORMANCE AND CHARACTERISTICS With the electronic thermostatical control and the auto-transortation device, the machine can make various shapes of plastic film bags and be used for setting of various packing lines without

Limiting the sealing length; having the characteristics of high efficiency of continuous sealing, reliable quality, reasonable construction, convenient operation etc.

In the series machines, there are horizontal type and vertical type the horizontal type is for packing and sealing of drying goods; the vertical one is used for liquid goods. 3. CONSTRUCTION AND WORKING PRINCIPLE

The machine consists of frame, speed regulator, sealing length regulator, temperature control, drive and transportation devices. When it turns on, the electro-thermal component produces quantity of heat to make the temperature of both upper and lower heaters

mptly raise And be adjusted the temperature and n the speed regulator, The plastic packing bag is transmitted by the conveyer belt with its sealing part senting into the two running

sealing braids, and then is subjected to the exrtusion of the two eaters in heating area to make the plastic film conglutinate after art, rolled by the pattern roller or the inker wheel, is made out ith stripes or nette The drive parts consisting of sealing braids, lead belt and onveyer belt all are driven by a motor in synchronistical running. 4. MAIN SPECIFICATIONS

Power supply: 220±10V, 50 HZ Power : 500W
Sealing speed: 0----- 12M/min (adjustable) Sealing width: 6---- 12min (adjustable) Temp. range: 0----- 300 c (adjustable) Sealing length: Unlimite No. of printing words:13

Exterior dimensions: Horizontal type: 850X420X320(m:

5. ELECTRICAL SCHEMATIC DRAWING AND TABLE

regulating plate

. WAY TO USE

3.Pattern roller (inker v 5. Pressure regulating wheel

7.Safety guard

9. Heating block

11. Control box 13. Guide place of s

Power socket and safeguard 15.Fixed working table

Fig. 3 Assembly drawing of machine in vertical

Horizontal beam (vo. 3. Conveyar station 5. Vertical long axis 7. Control box 9. Power supply socket 11. Height regulation kr 13. Conveyer station's s

aration prior to start the n

2. The Electro-thermal component should be p

The machine is equipped with a shell-grounded triplex socket nich should be well grounded to make sure of safe production.

temperature for a few of minutes before normal operation becaus it may be wet in initial use or after long interval unused. 3. Adjust the height and the front-and-back position of the onveyer station to fit the necessary level of the sealing bag's

4. Adjust the position of the guide place of sealing width gulation according to its requirement.

5. Adjust the spaces between the upper and lower heaters an apper and lower coolers (i. e. the spaces between the res raids)according to the necessary thickness of sealing material.

1. Turn on the power, the indicator lights then all wheels begin heir synchronistical running. 2. Adjust the knob of pattern roller to have it (or inker wheel)

 Turn on the heating switch, the green lamp of the electronic emperature control meter lights, adjust the meter to necessary emperature according to the nature and the thickness of the acking bag's material. In general, the numerals below can be used for above adjustment at a room temperature of 20 °C: a). Polyethylene: 150-- 160°C b). Polypropylene: 170 -- 180℃ c). Polyolefine compound: 180--190 °C The flexibility of temperature adjustment can be increase

The red lamp lights after heating for a while indicating the required temperature is enough, then a trial of sealing can be done with a preset packing bag to determine the temperature, The eed and the pressure of the pattern roller(inker wheel)need to b

ous sealing can be pro

ushing or stopping nor p

force can be done; otherwise uneven sealing or faults may result. 7. WAY TO CHANGE THE HORIZONTAL TYPE INTO THE VERTICAL O (1). Install two tripods and two horizontal beams with M4 screws, the concave of the tripod faces inward while that of the beam faces

4. Determine if the blower needs turning on for co o the thickness of the sealing material.(It should be turned on for common polyethylene etc. single layer plastic films).

5. The sealing part of the bag should be aligned flatly laid. Push

alt to get an ideal sealing quality, a

utting-in or pulling-out

nveyer static

ntal short axis and install the horizont

achine and th

n,ifany, o

ed with 50g 20#oil

Way to deal with 1. Check if the threpin plug is inserteright, solid if the fuse is loosed obroken to deal k if the three-ug is inserted

broken if the switch is damag or fail-connected 2. Change the spe regulation plate

Leakage wouldn't occur if preheat made prior to use 2. Insulated casing must be used for the lead 3. The operation instructions should be used for installation and operation

Change the plate or the

Change the electron thermal tube
 Six the lead and second the fixing screw

3. Change the meter 4. Change the couple

Open the loft-side panel to loosen MS nu on the axis of the lead belt's wheel to do uppo and lower adjustmen or pull the nut to left then tighten it

Suitably adjust the knob
 Change the rubber wheel
 Clean the pattern-print roller surface with a detergent, make care not to let anything collected into the bear
 Properly rise the temperature

1. Adjust the space per The packing material to let the upper heater move up and down when the machine is running 2. Clean it away 3. clean it away 4. Operation at stopping the machine should comply with be instructions. 5. Adjust the screws per Fig. 5

1.Slightly adjust B1,B2 Per Fig.5 2.Properly reduce the pressure

rding to

2

2

Adjust it according Fig.2-16 of the operation instruct

n out, then take out the knob and the square fixin

apport into the vertical support, install and tighten the

(3). Mount the station onto the vertical tripod and tighten th

ted and regulated to suitable pres

With the adjustable speed.

sted upon the sealing res

er that ,contin

rds, neither p

nward.

fixing knob. (4). Take out the horizo

reg

screws to take out the station.

xis and the u (5). Put the long axis into the axial hole of

(6). Vertically place the s

(1). Way to maintain a). Push the driven wh

raid

riginal positio

after heating. p the machin

til the to (2).Turbo case:

e features of low noise, lerge pov

only once month and cle

avoid appearing noise. (3). Way to repair

Not to start

Without spe egulation

The lead belt.

The sealing braid easy to break

The sealing braid being slippery

The conveyer belt being edge-deviated or slippery

d). Turn on the por driven to move,th

WAY TO MAINTAIN AND REPAIR

b). Change with a new braid and install the upper and lower lea c). Place the driven wheel and the heater and the cooler in their

ake the p

ealing braid can be adjusted through the screw on the driven

dge-d

return the rotating disk of temperature adjustment to zero place and turn on the blower, at the moment, the temperature pointer begins slow falling down but sealing braid is still running. It cannot be done to turn off the blower, the master power switch

er 100C in r

aned and maintained only once a yea

ver etc., oi

n start a trial.The e

As an overall sealed turbo and worm unit, the turbo case

1.Power not electrified 2.Cireuit-broken with the speed regulation Plate

The machine rema unused after last operati moisture re-gained, inductive electric occurring
 The electro-therm tube's lead contacted shell
 No grounding device

The speed regulation plate or the potentiometer out of order

1. The electro thermal tube broken

2. The lead termination of The electro thermal tube come off

3. The temp control meter out of control

4. The electro thermal couple out of control

The uppen & lower lead belts space too short or loosed

The pressure adjust knob too loose
 The rubber wheel surface uneven
 Something adhere to the pattern roller surface

The space between the upper and lower heaters too large to make the temperatu too high

make the temperature too high
2. Something left between the upper lower heater and coolers. Film residual melted by heat scaling left on the Surface of the scaling br 4. The temperature too high at stopping of the machine 5. Bl, B2 screws too tightend

The upper and lower braids too loose
The pressure on the sealing braids by the upper and lower heaters and coolers too large

The elasticity adjust screw of the conveyer belt unproperly left-right adjusted or too loose

-12-

Upper T—foot

Secure panel

lead belt

-13-

2

2

m8×15 semicircular head screw 2

Console horizontal beam m6×60 hex screw

m5×15 semicircular screw

Inker wheel and printing sealing braid (compound)

Conveyer best, Heating pipe

-11-

alculated per 8 hours a shift in general when in use. Cares should e taken to keep cleaned inside of the case when maintaining to

e). Install the safety guard, then continu

reheated with lov

aling widt

16.Regulation screw of conveyer belt's elasticity
17. Regulation knob of conveyer station's in-out
18. Regulation knob of conveyer station's height
19. Nameplate 20. Conveyer station

type) 2. Tripod (vertical ty 4. Umbrella gear seat 6. Pressurs regulating knob 8. Insurance tube 10. Support (horizontal type) 12. Fixed working table 14. Fixing knob of conveyer s

9.Bill OF PACKAGE OF FR-900 SEALING MACHINE orizontal type Machine and accessories wer supply wire Sealing braid(no connector, compound) 3 Insurance tube ew-triver (cross, slot) Production description and certificate Horizontal and vertical dual type's adding accessories nbrella gear seat 1 set and axis