

LABORATORY TENTER MACHINE

M-6

OPERATION MANUAL

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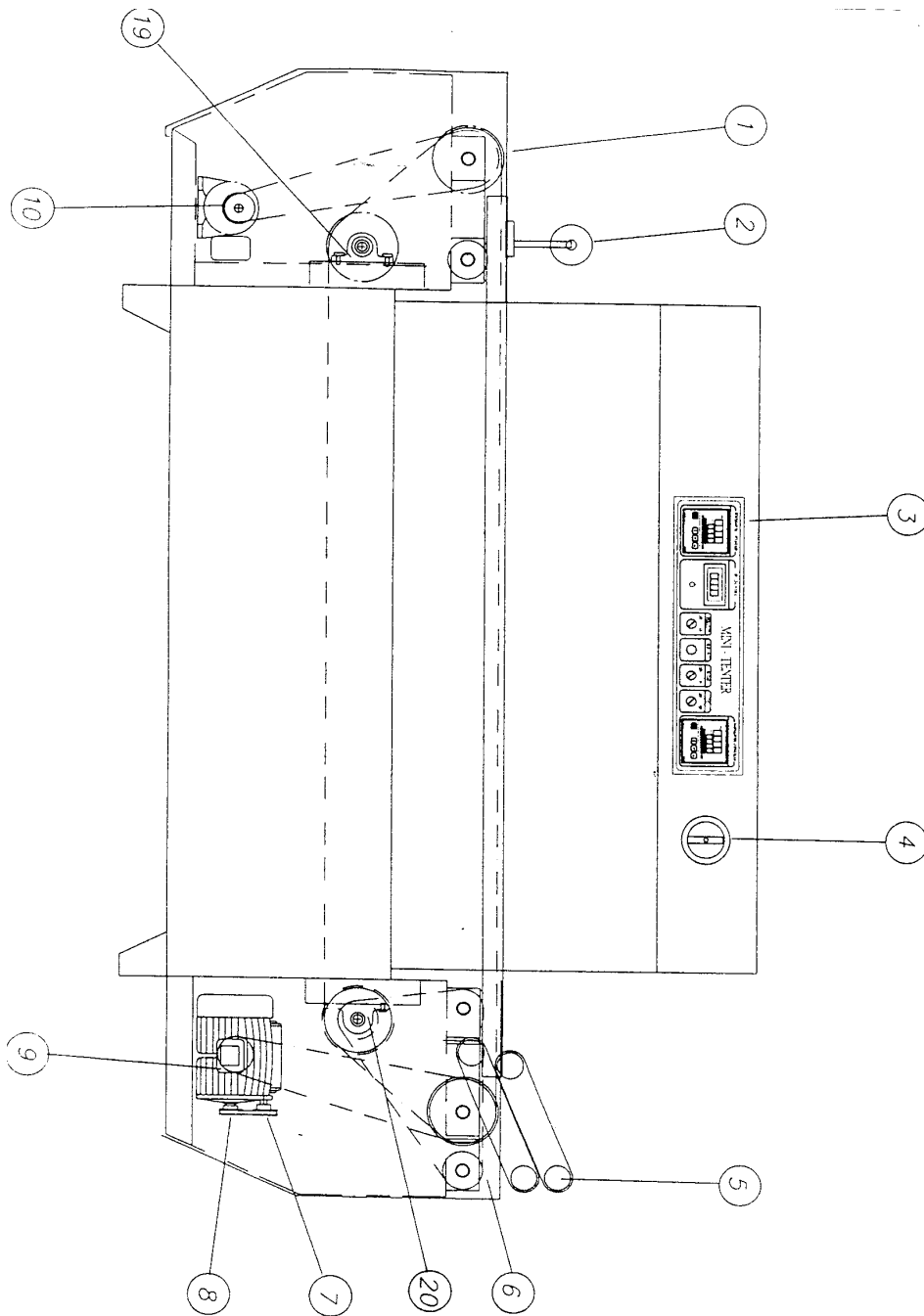
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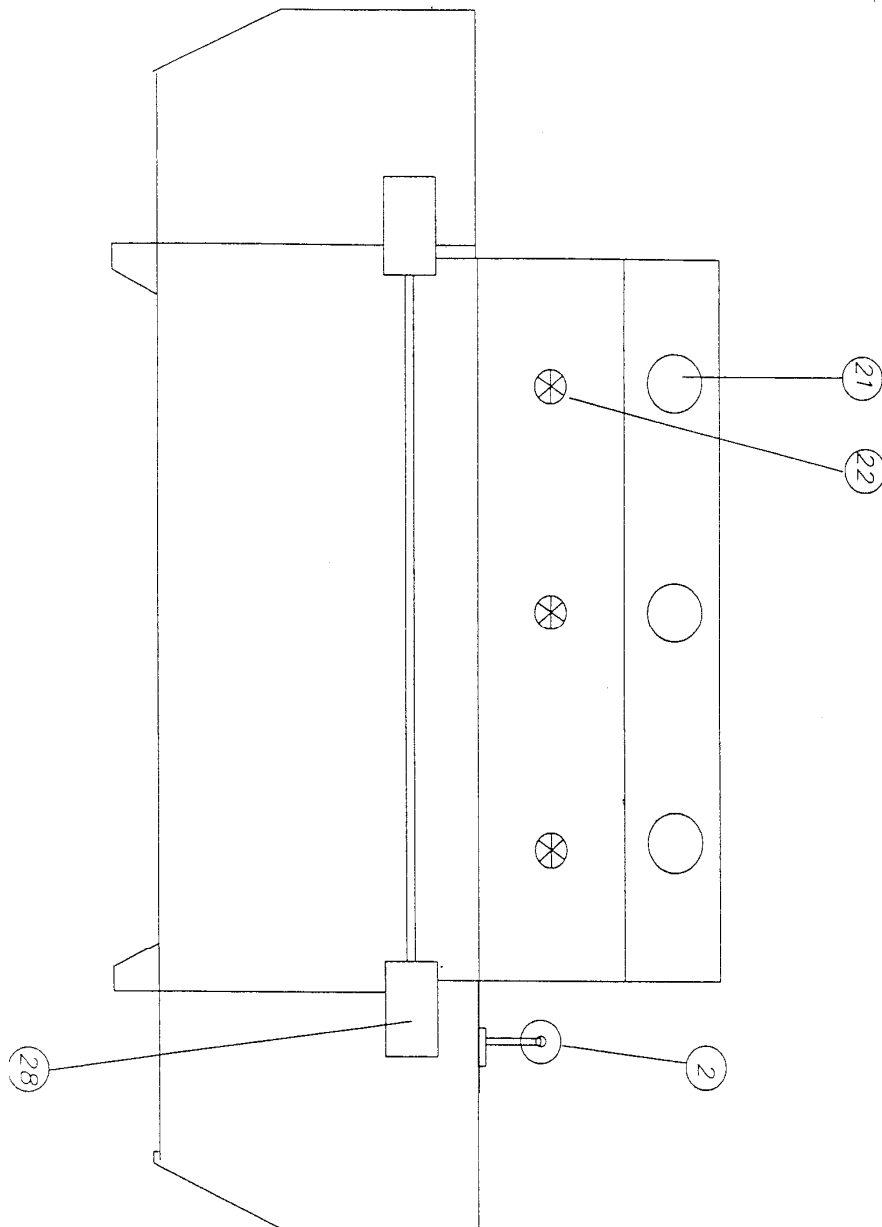
OPERATION MANUAL

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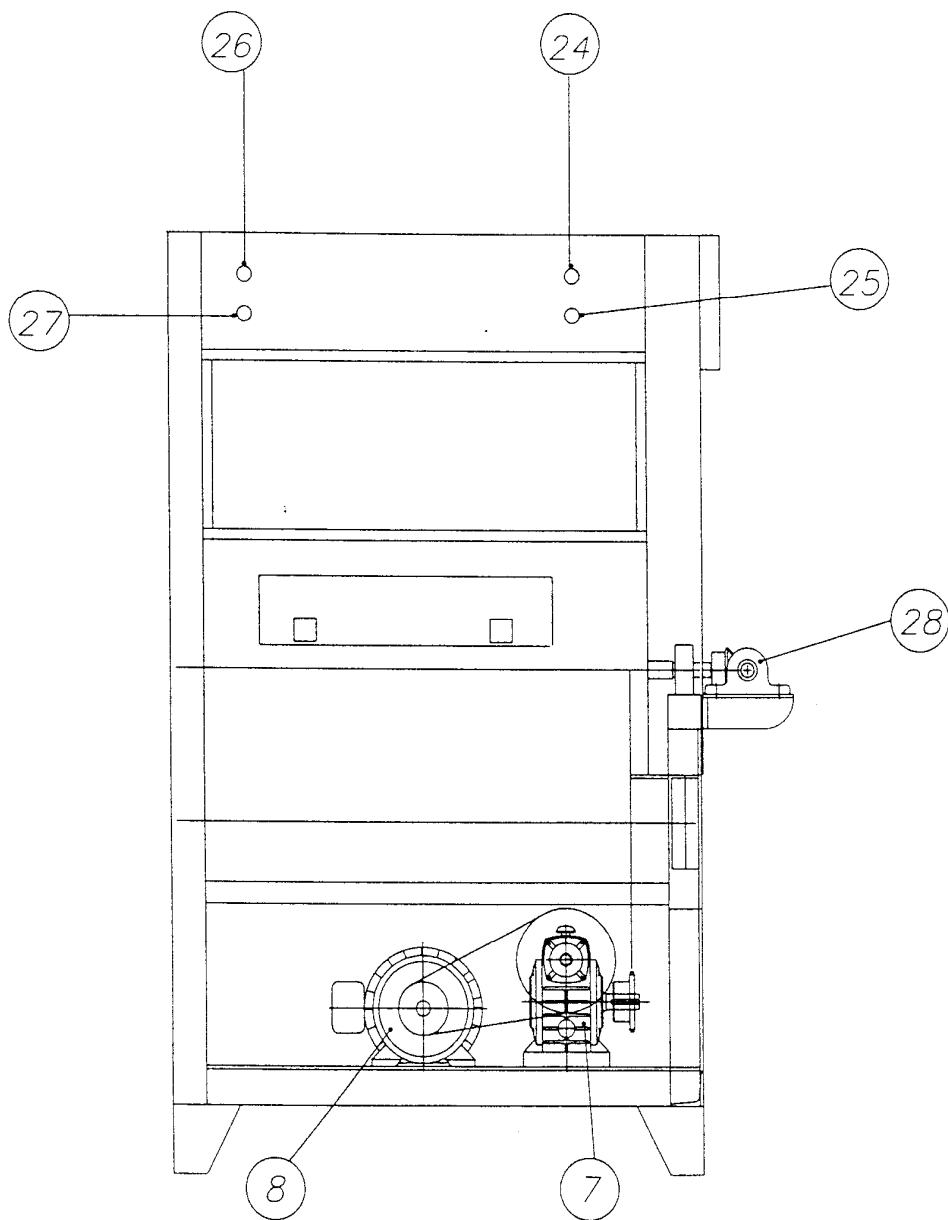
FRONT VIEW 【FIG-1】



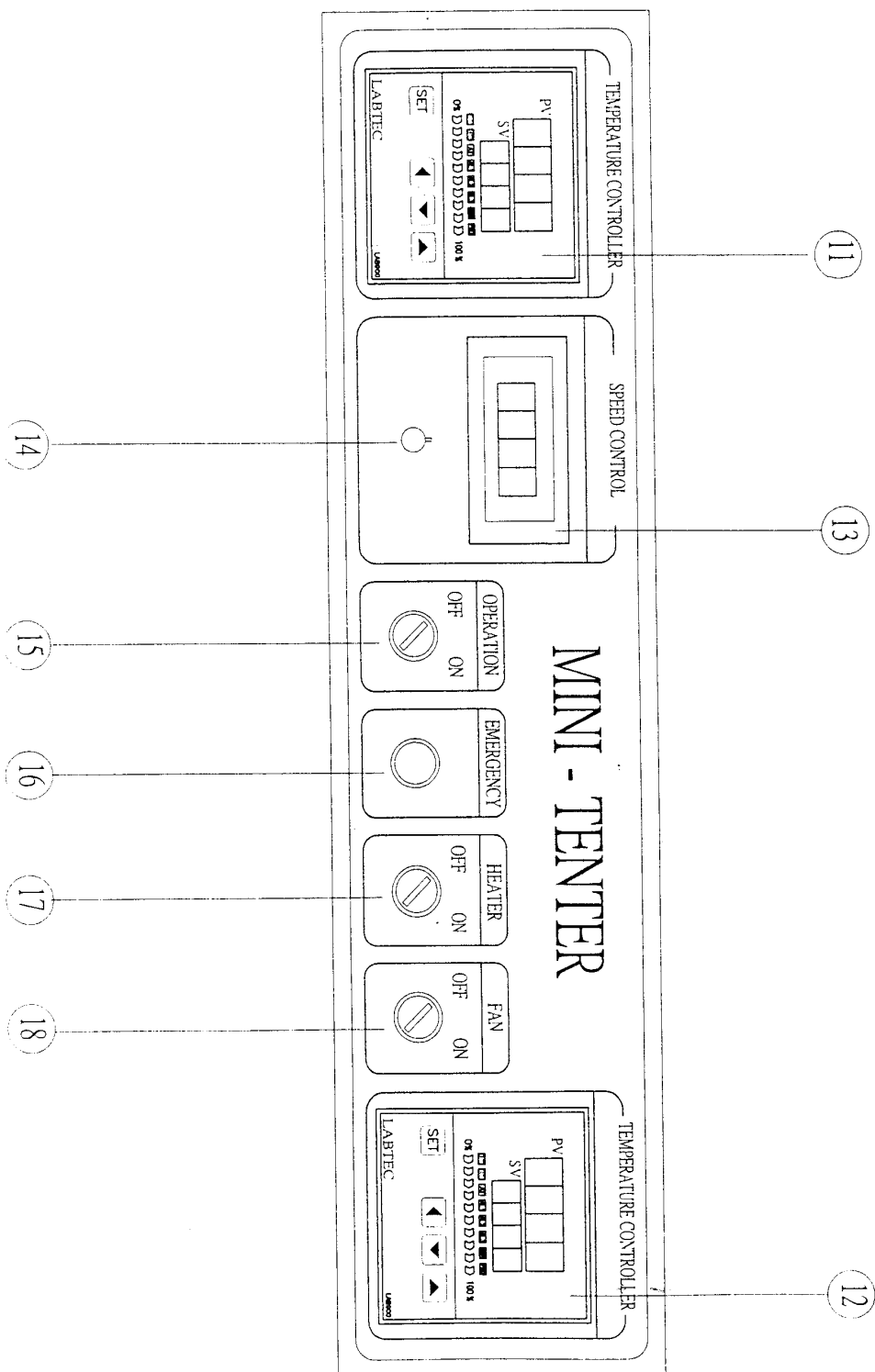
REAR VIEW 【FIG-2】



SIDE VIEW 【FIG-3】



CONTROL PANEL 【FIG-4】



INSTALLATION

1. Please check the machine immediately after receiving. Any damage incurred in transport should be notified at once to the forwarder or our representative or contact us directly.

(TEL:886-2-26945880 , FAX:886-2-26943928 ,

E-mail:info@copower.com.tw)
2. Please check the delivery note to see if all of the parts of machine have been completely supplied as well as the accessories.
3. Make sure the machine is placed and fixed at the reserved location and keep the proper space for easy maintenance.
4. Before connection the wire to the main switch
 - A. Please check the electrical specification is the same with the data plate on the machine and the main switch is safe for use.
 - B. Please use none fuse beaker.
 - C. Check if the connection to Earth is ready.
5. Connect the wire according to wire colors GREEN (3PH) for earth. BLACK 、 RED to be connected the relative specification.
6. Incorrect connection to main switch may cause damages to the control unit and such damages are not covered by warranty.

ELEMENTS

ITEM	DESCRIPTION	REMARK
1	Feed Wheel Work	入布傳動鏈輪
2	Feed Wheel Brush	壓布輪
3	Control Panel	控制面板
4	Main Power Switch	主電源開關
5	Exit Roller	出布帶布輪
6	Width Adjustment	幅寬調整動作組
7	Gear Box	減速機
8	Main Motor	馬達
9	Main Wheel Work	主傳動鏈輪
10	Motor for Tension Adjustment	幅寬調整馬達

CONTROL PANEL

ITEM	DESCRIPTION	REMARK
11	Temp. Controller (L)	溫控器 (左)
12	Temp. Controller (R)	溫控器 (右)
13	Speed Controller Monitor	速度顯示器
	- Shows Dwelling Time	顯示布停留時間
14	Speed Controller Switch	速度控制旋鈕
15	Operation Switch	操作選擇開關
16	Emergency Switch	緊急停止按鈕
17	Heater Switch	加熱開關
18	Fan Switch	風扇開關
19	Bearing (L)	培林組 (左)
20	Bearing (R)	培林組 (右)
21	Exhaust Fan	排氣風扇
22	Cabinet Cooling Fan	內部冷卻風扇
23	Circulation Fan	循環風扇
24	Width Adjustment → Narrower	幅寬調窄
25	Width Adjustment → Wider	幅寬調寬
26	Infeed Start	入布啓動
27	Infeed Stop	入布停止


OPERATION


- 1 Machine setting
 1. Turn the Power switch 【FIG-1-4】 to “ON” position.
 2. Turn the Power switch 【FIG-1-15】 to “ON” position.
 3. Present the required temperature 【FIG-4-11】 .
 4. Turn the Fan switch 【FIG-4-18】 to “ON” position.
 5. Turn the Heat switch 【FIG-4-17】 to “ON” position.
- 2 Fix the test sample onto the infeed pin-chain.
- 3 Adjust the proper width as 【FIG-3-24 、 25】 .
- 4 Start infeed motor 【FIG-3-26】 or stop infeed motor 【FIG-3-27】
- 5 Repeat from step 2~4 for next test.
- 6 Machine shut down
 1. Turn the Fan switch 【FIG-4-18】 to “OFF” position.
 2. Turn the Heat switch 【FIG-4-17】 to “OFF” position.
 3. Turn Operation switch 【FIG-4-15】 to “OFF” position.
 4. Turn the Power switch 【FIG-1-4】 to “OFF” position.

TEMPERATURE CONTROLLER SETTING



Temperature controller use PT100 Sensor with digital indicator had been tested and calibrated


1 Temperature setting

A. Push  key to enter the setting mode.

B. Push  key to see the SV figure is flashing which means you can set required temperature.

C. Set the SV figure from the far right to the left direction.

During each figure is flashing, you can push  for higher or  for lower.

D. After you set the required temperature, please push  key for entering it. Then it will go back to PV/SV mode.

SAFETY INSTRUCTION

Push the emergency button【FIG-4-16】to stop the machine completely if there is any danger situation.

CLEANING & MAINTENANCE

1. Clean the inlet & outlet if there is any loosen threads hung in the pin-plates after each test.
2. Change lubricant of Reduction gear at every 1500 working hours (5~6 months)
3. Lubricant the bearings at infeed 【FIG-1-19】 & 【FIG-1-20】 every 3~4 months.
4. Check the Fan motors regularly.

ELECTRICAL DIAGRAM

MINI-TENTER (380V 3PH)

