OSHIMA®

欢迎使用“欧西玛”带状式裁剪机

Thank you for choosing “OSHIMA” BAND KNIFE CUTTING MACHINE

使用前，请详阅

BEFORE using，PLEASE READ CAREFULLY

OB-700　OB-700A　OB-700EA

OB-900　OB-900A　OB-900EA

OB-1200　OB-1200A　OB-1200EA

使用说明书

OPERATING　MANUAL

1. (SPECIFICATIONS)

Model	OB-700/EA	OB-700A/I	OB-900/EA	OB-900A/I	OB-1200/EA	OB-1200A/I
Power	3P/380V	1P/220V	3P/380V	1P/220V	3P/380V	1P/220V
Table Size	1200*1500mm		1500*1800 mm		1500*2400 mm	
Cutting Capacity	180mm		180mm		280mm	
Arm Length	700mm		900mm		1200mm	
Knife Size	0.45*10* 3500 mm		0.45*10*3860mm		0.45*10*4560 mm	
Net Weight	265kg		285kg		320kg	
Packing volume	1500*700*1700mm		1600*700*1700mm		1920*800*1800mm	

2. OPERATING METHOD

1.1 Connect to correct voltage.

1.2 Machine must do the horizontal adjustment and equip knife with right angle against to surface of table.

1.3 Press down “ON” of “KNIFE”, and then knife will work automatically. Press down “ON” of air, and then the wind will blow out from table.

1.4 There are two sets of oil tanks inside machine. Please inject silicon oil when oil runs out.

1.5 Knife should be grinded once it can’t cut fabric smoothly. Machine attaches grinder, so knife will be edgy after grinding just need to push the holder of grinder.

1.6 All bearings must be injected “oil” every half a year to reduce the noise and increase bearings’ lives.

1.7 There are blowing holes on the table. Please always keep them clear to avoid stemming and influencing the power of blower.

1.8 Please adjust the knife applicably when replace a new knife. Don’t adjust the knife too loose or too tight.

3. CAUTION

a) Please wipe the oil on the knife when you install the knife. The oil on the knife is for rustproof purpose.

b) Please take the tape off. The parts No for the tape on the driving pulley is NO.700A006

4. NOTES FOR USAGE & MAINTENANCE

a) Please operate the touch panel gently.

b) Please keep the oil tank clean and fuel all the time.

c) When the band is not sharpened, please use the grinding device to sharpen the band.

d) When grinding stone is worn out, please adjust the lever to keep the two pieces of

grinding stones work evenly.

e) Please always keep the machine and its parts clean (such as: electronic components, blower, and bearings) and fuel them.

f) Once the knife band is worn out, please replace to prevent from danger.

g) After moving and installing machine, please do keep machine in horizontal.

h) Please do not replace any parts of the machine, and do leave the maintenance to professional technician.

i) Before operating, please do read the instruction manual.

【B】ASSEMBLY

1 Assembly of frame (see fig.3).

Mount the upper frame (1) on the lower frame (2). Tighten the two positioning bolts (1-1) first and other bolts next. Remove the tension pull cover (18). Attach the lower knife cover (20) to the lower frame (2) and the rear tension pulley cover (18-1).

(Caution)

Tighten the upper and lower frame joining bolts positively. Otherwise, vibration may be caused.

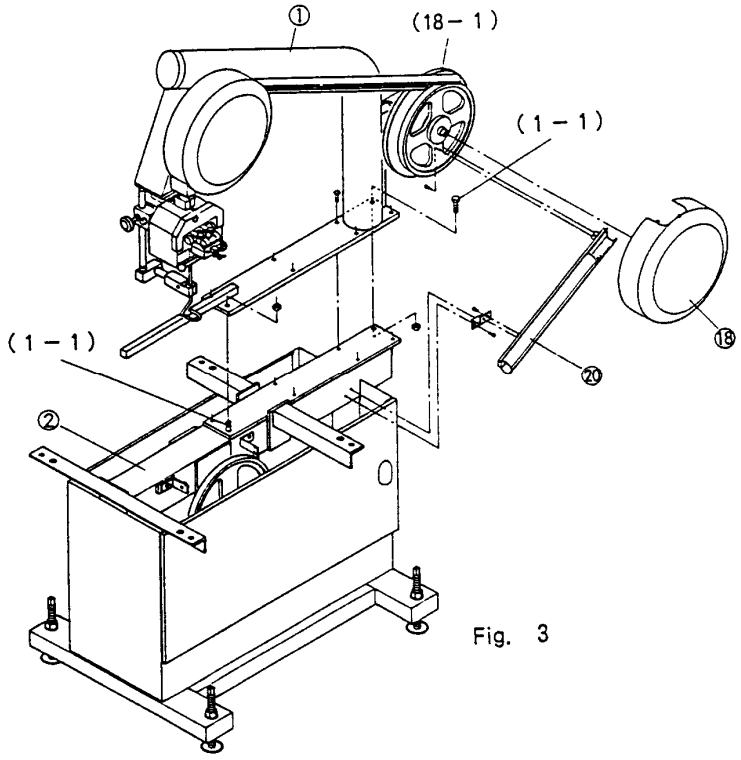


Fig. 3

2 Assembly of table (see fig. 4 and 5.)

Mount the cutting table (3) by aligning the tapped holes of the table liners (3-1) with the table fastening screw holes (3-2). Fasten the table (3) with the bolts (3-3). Slip the blower hose (11-1) onto the air mouthpiece (3-4) and fasten the hose with a hose clamp. Attach the switch box (8) to the cutting table (3). Plug the connector of the control cable (25) into the control panel (9) and fasten the plug with the screw (25-1). (The screw is supplied by attaching it to the control panel.)

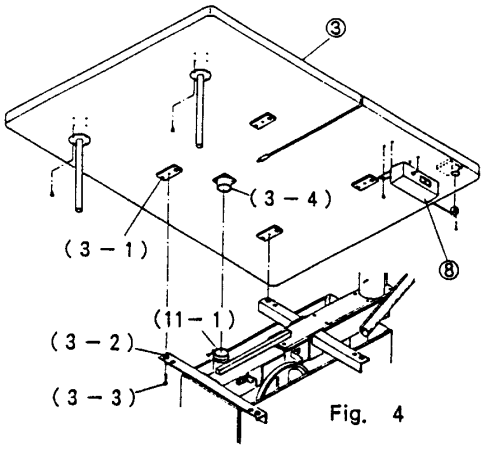


Fig. 4

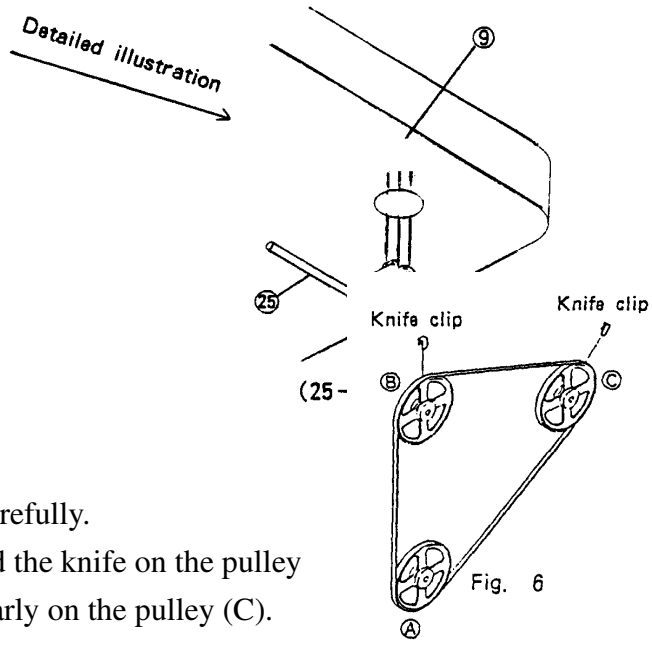


Fig. 6

3 Assembly of knife (see fig.6.7.and 8.)

A new knife is coiled. Uncoil the knife carefully.

Install the knife to the pulley (B) and hold the knife on the pulley with the knife clip. Install the knife similarly on the pulley (C).

4 Finally install the knife on the pulley (A). Turn the tension handle (14) till stopper screw comes into contact with metal plate (2) to stretch the knife. On completion of stretching, remove the knife clips and turn the pulleys by hand.

The knife will be naturally settled in the middle of the pulleys.

(Caution)

Disconnect the power supply plug for safety prior to installing the knife. It is recommended to put on stainless steel mesh gloves (safety gloves) for installing the knife.

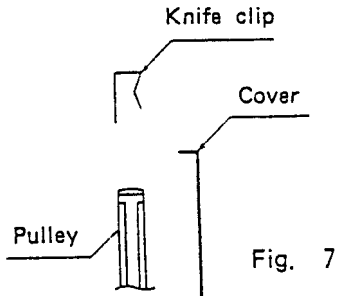


Fig. 7

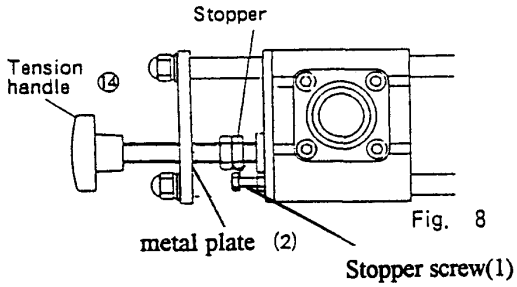


Fig. 8

5 Assembly of grinder (see fig. 9)

Set the grinding stone grit tray (6-7) to the grinder cover.

Slip the grinder unit (7) onto the shaft (7-3) and push the unit inwards till it comes into contact with the positioning collar (7-4).

Align the point of the knob (7-1) with the V-groove of the shaft (7-3) and screw in the knob.

Screw in the wing screw (7-2) too.

Finally attach the front cover (7-5).

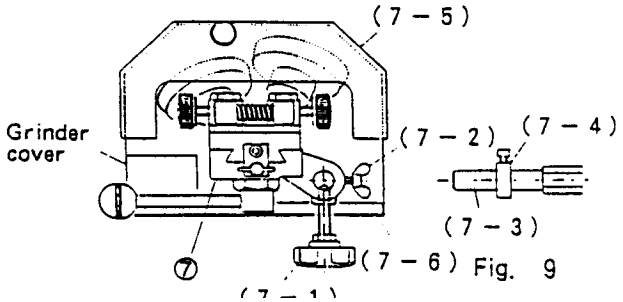


Fig. 9

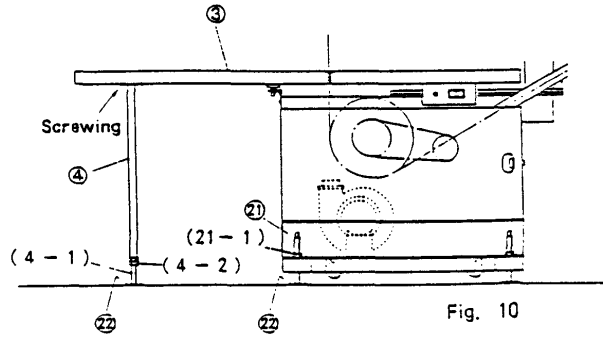


Fig. 10

6 Securing cutter frame (see fig.10)

Carry the frame to the cutting shop. Set the frame to a desired operating height with the adjusting screw (21). Lock the position with the nuts (21-1) attaching the table legs (4) to the underside of the table (3) with screws.

Turn and lower the table support screws (4-1) till they come into contact with the sole plates (22).

Lock the screws (4-1) with the nuts

(Caution)

If the table support screws are turned down excessively, the cutting table and the cutter frame are raised. Do not turn the screws excessively.

【C】SWITCH FUNCTIONS

7. Switch box (see fig.11.)

Power supply switch: turns on and off the entire power supply of the band knife cutter.

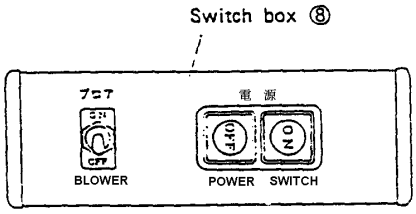


Fig. 11.

Blower switch: Turns on and off the blower.

8. Control panel (see fig.12.)

Speed indicator: Indicates knife speed. (Unit: m/min) The display lights up indicating knife speed during the running of the knife, and flashes during at rest.

Up/down key: Change knife speed. Continue to press for changing speed at a high rate. Speed can be changed regardless of whether the knife is running or at rest.

Start key: Starts up the knife.

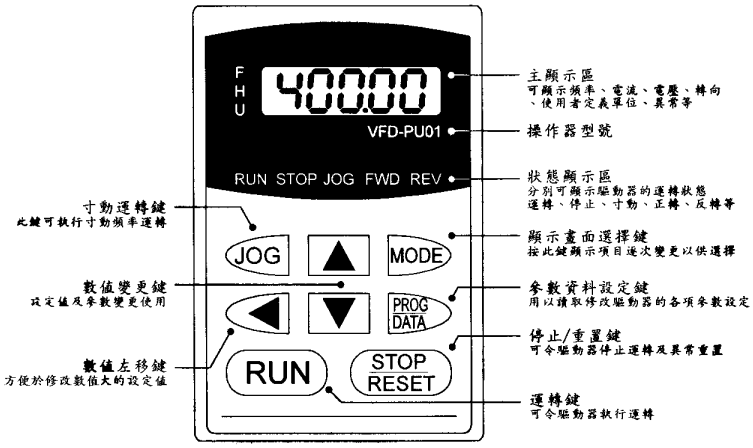
Stop key: Stop the knife.

(Caution)

To stop the knife: must use the stop key on the control panel (9). If the knife is stopped when power off, push button on the switch box (8). Failure of the inverter may be caused.

數位操作器按鍵說明 *VFD-PU01*

數位操作器 *VFD-PU01* 各部說明



功能顯示項目說明

顯示項目	說明
F 60.00	顯示驅動器目前的設定頻率。
H 50.00	顯示驅動器實際輸出到馬達的頻率。
U 1800.0	顯示用户定義之物理量 (U = F x 00-05)
A 5.0	顯示負載電流
-Frd-	正轉命令
-rEu-	反轉命令

【D】CUTTING OPERATION

9. Cutting (see fig.13.)

Switch on the power supply. Turn on the blower. An air layer is formed between cloths to be cut and the table surface so that the cloths can be moved lightly on the table.

Holing the cloths with both hands, feed them to the knife. They are cut outstandingly sharply. Set the knife guide (6) to a minimum possible height. Two knobs (6-1 & 6-2) are provided for raising or lowering the knife.

When not using the cutter. Lower the knife down to the table surface for safety.

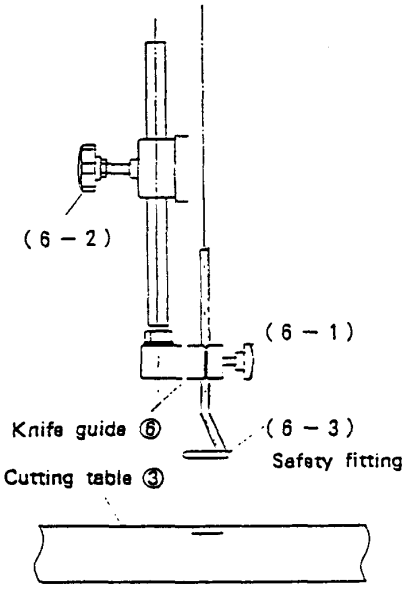


Fig. 13

(Caution)

Exercise extreme care with the knife during cloth cutting. It is recommended, to put on stainless steel mesh gloves (safety glove) for safety.

10. Knife speed

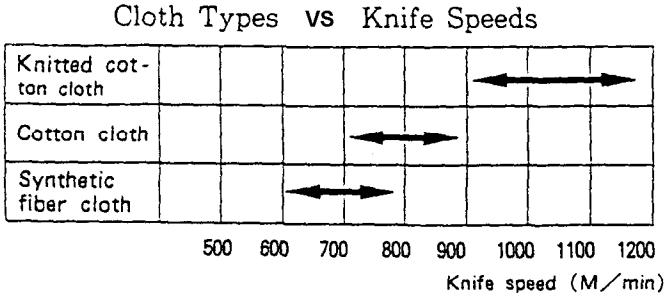
Clothes can be cut well as knife speed increases. However, if cloths of synthetic fibers or others melted by heat at a high speed, the cut edges melt and adhere.

Lower knife speed and make the felt of the silicon oil tank located above the grinder touch the knife. Melting and adhesion of the cut edge is eliminated and cloths are cut sharply.

11. Grinding (see fig.14.)

Grind the knife if the knife becomes dull or cut cloth edges are foul.

Pull the grinder lever when the knife is running, the knife will be ground sharp in 4 to 5 seconds grinding is ended by pushing the lever away. The faster the knife speed is, the more ground the sharper is.



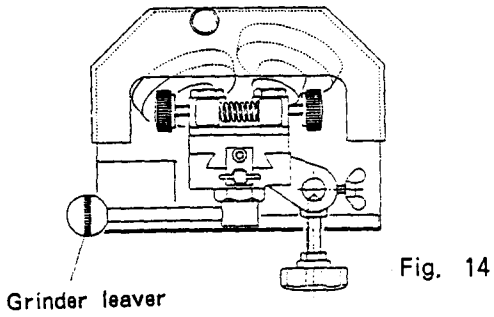


Fig. 14

12. Inverter trouble shooting

The protection device may work to prevent break down of the inverter or motor.

If the devices work, the speed indicator of the control panel shown if fig. 12 shows an

error code and the motor comes to standing.

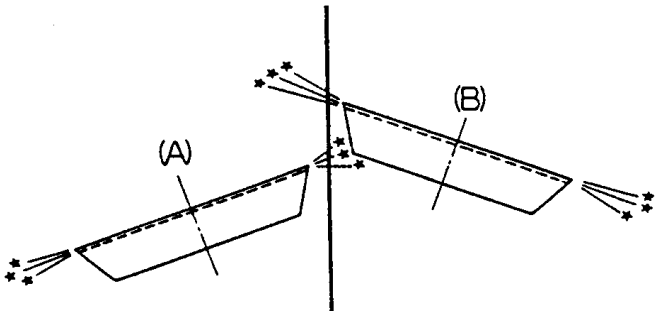
To reset the protection function, eliminate the cause of failure and press the stop key (reset key) on the control panel (9).

Be sure the motor is dead standing when pressing the stop (reset) key.

【E】GRINDER

13. Normal grinding condition (see fig.15.16.and 17.)

It is normal to have sparks generated during the grinding process and later the knife edge will be ground as (a). If the knife edge is not even as (b) & (c), please remove the grinding stone (A) & (B).



ig. 15

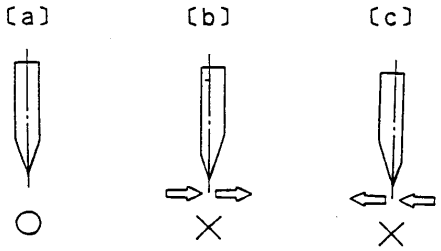


Fig. 16

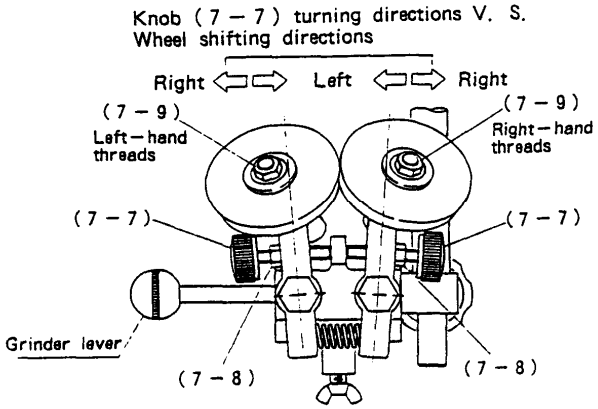


Fig. 17

The wheels can be shifted in the directions shown by arrows by turning the knobs (7-7) shown in fig. 17 clockwise or counterclockwise.

On completion of adjustment, tighten the lock (7-8) firmly.

14. Shapes of knife edge is up to the fabric types (see fig.18. and 19.)

Grind the knife edge as illustrated in fig.18 depending on the type of fabrics to be cut.

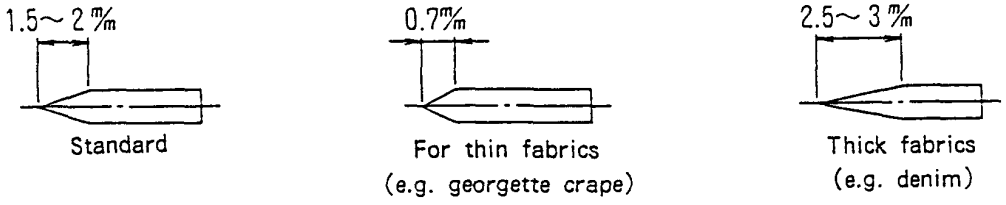
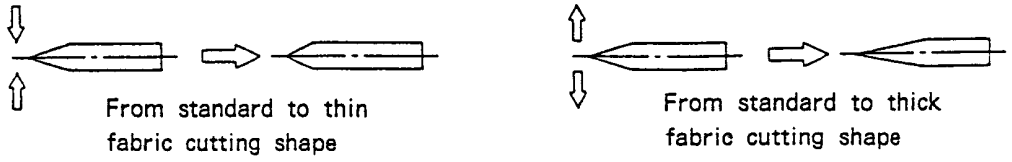


Fig. 18

Shift the wheels in the directions shown by arrows to change the shape of the knife edge.



15.

Fig. 19

Wear of knife and grinding stones (see fig.20.)

The knife or the grinding stones are worn if the knife is not ground (or sparks are not generated when the grinder lever is pulled.)

Loosen the lock nut. Pull the grinder lever. And turn the wing screw counterclockwise slowly. (The dimension marked by " * " fig.20 reduces and the grinding stone nears the knife.)

Locate a position where sparks are generated normally and tighten the lock nut firmly.

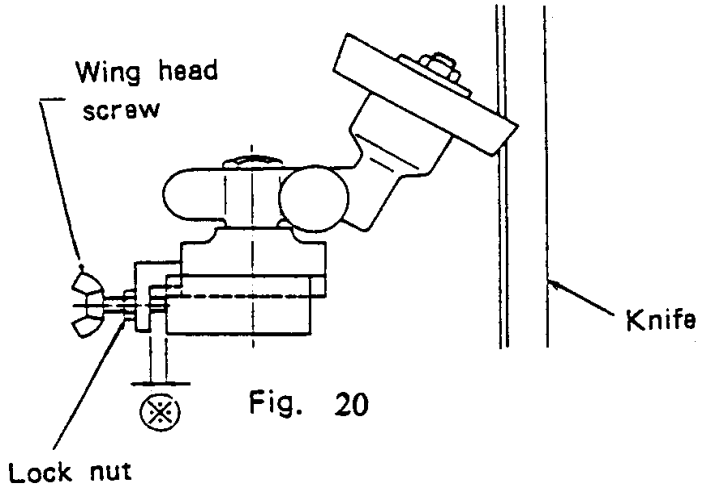


Fig. 20

16. Grinding stone replacement

If the knife is not ground though the grinding stone position has bee adjusted in the correct method. The wheels are worn out. Replace the wheel.

Remove the nut (7-9) shown in fig.17 and replace the wheels with now wheels.

17. Wavy knife

The following reasons are conceivable if the knife becomes wavy. Check for every reason.

a) Knife deflection due to low knife tension.

(Stretch the knife by turning the tension handle till the stopper (1) comes into contact with the stopper (2) as illustrated in fig.8 on page 6.)

b) The wheel is pressed against the knife more than necessary. (Refer to para.15.)

c) The wheels run out.

(Align the wheels satisfactorily. Replace the both wheels if they run out because of wear.)

【F】REPLACEMENT OF KNIFE

18. When to replace

The width of a brand new knife is 10mm and reduces little by little each time ground. Replace the knife if the width is reduced to about 3mm.

19. Removal of knife (see fig.21)

a) Remove the table plate (13).
b) Remove the safety fitting (6-3) of the knife guide.
c) Remove the grinder front cover (7-5) and the screws from the grinder (7).
d) Remove the top pulley cover (17) and the tension pulley cover (18).
e) Open the front cover (15).
f) Turn the tension handle to slacken the knife.
g) Remove the knife with extreme care.

The knife installation dimensions are given in para.3 on page 4.

(Caution)

Disconnect the power supply cable plug from the outlet prior to starting knife replacement.

It is recommended to put on stainless steel mesh gloves (safety gloves) for safety when replacing the knife.

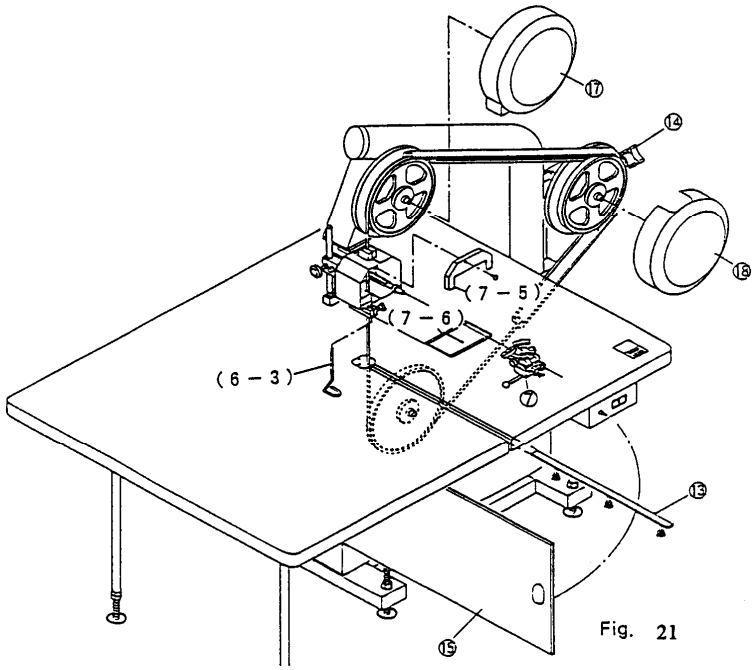


Fig. 21

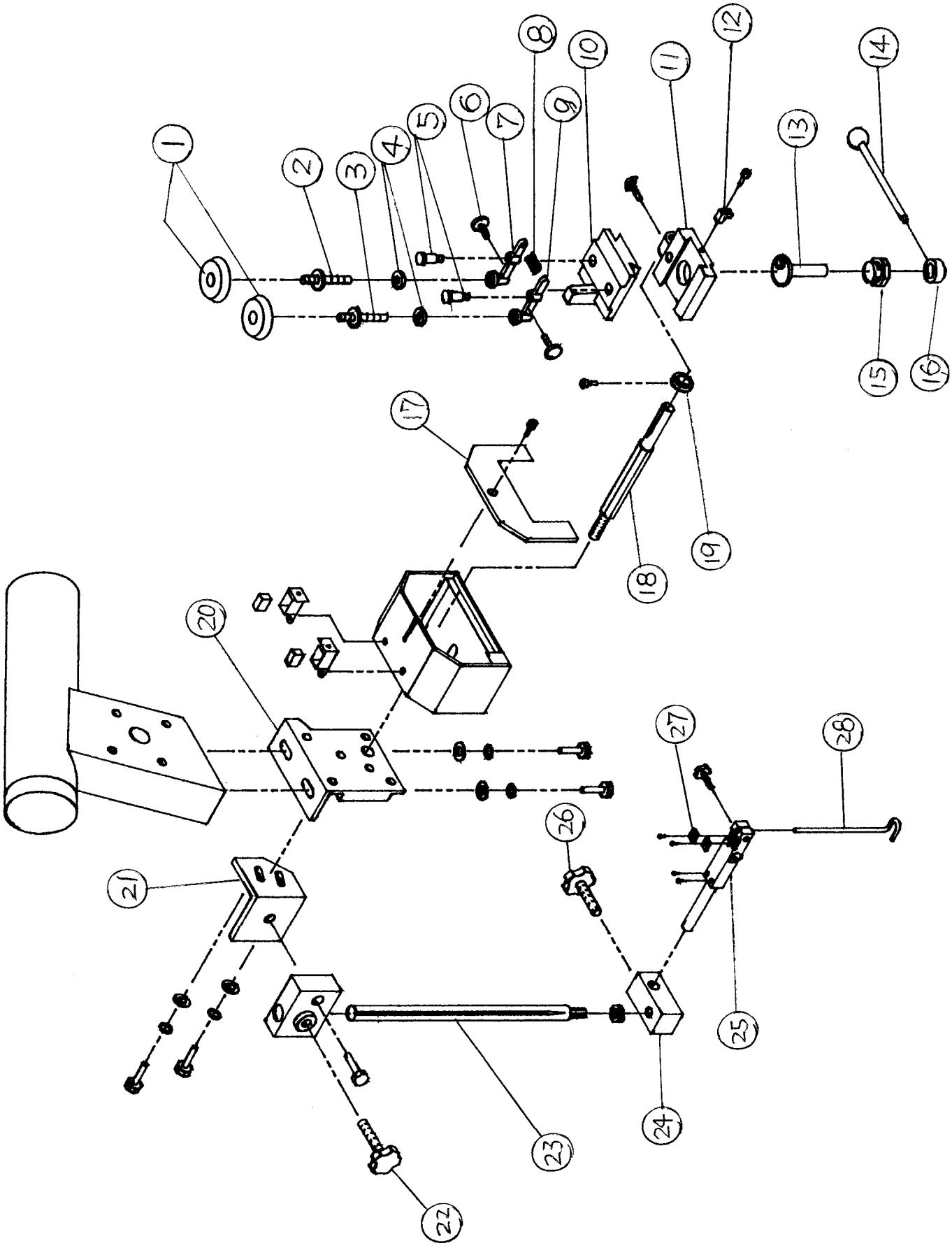
【G】OTHER

1. If there is lighting, stop the operation of the cutter and disconnect the power supply cable from the outlet because the inverter may be damaged by lighting surge.
2. Disconnect the power supply cable from the outlet if the cutter is not being operated for a long period of time.
3. Press the power supply off pushbutton switch on the switch box if the power supply is interrupted during operation.
4. Maintenance

   Open the pulley cover and the front cove and remove cut cloth waste etc. by a vacuum cleaner etc. at regular intervals.

   Each time the knife is ground. Remove grit from the grit tray by a vacuum cleaner etc.

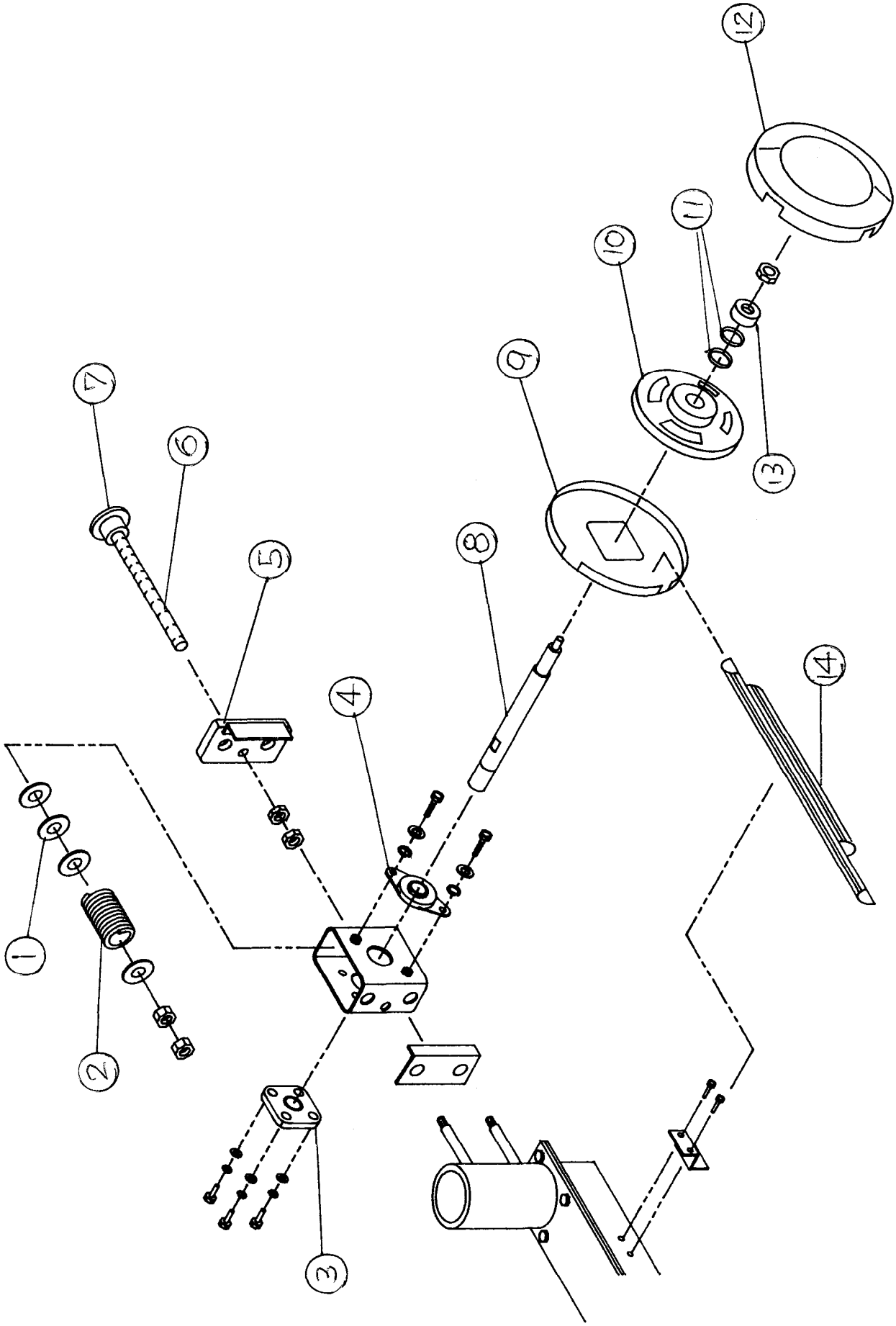
   Fill the silicon oil tank located above the grinder with silicon oil at regular intervals.


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

機械零件目錄

No.1

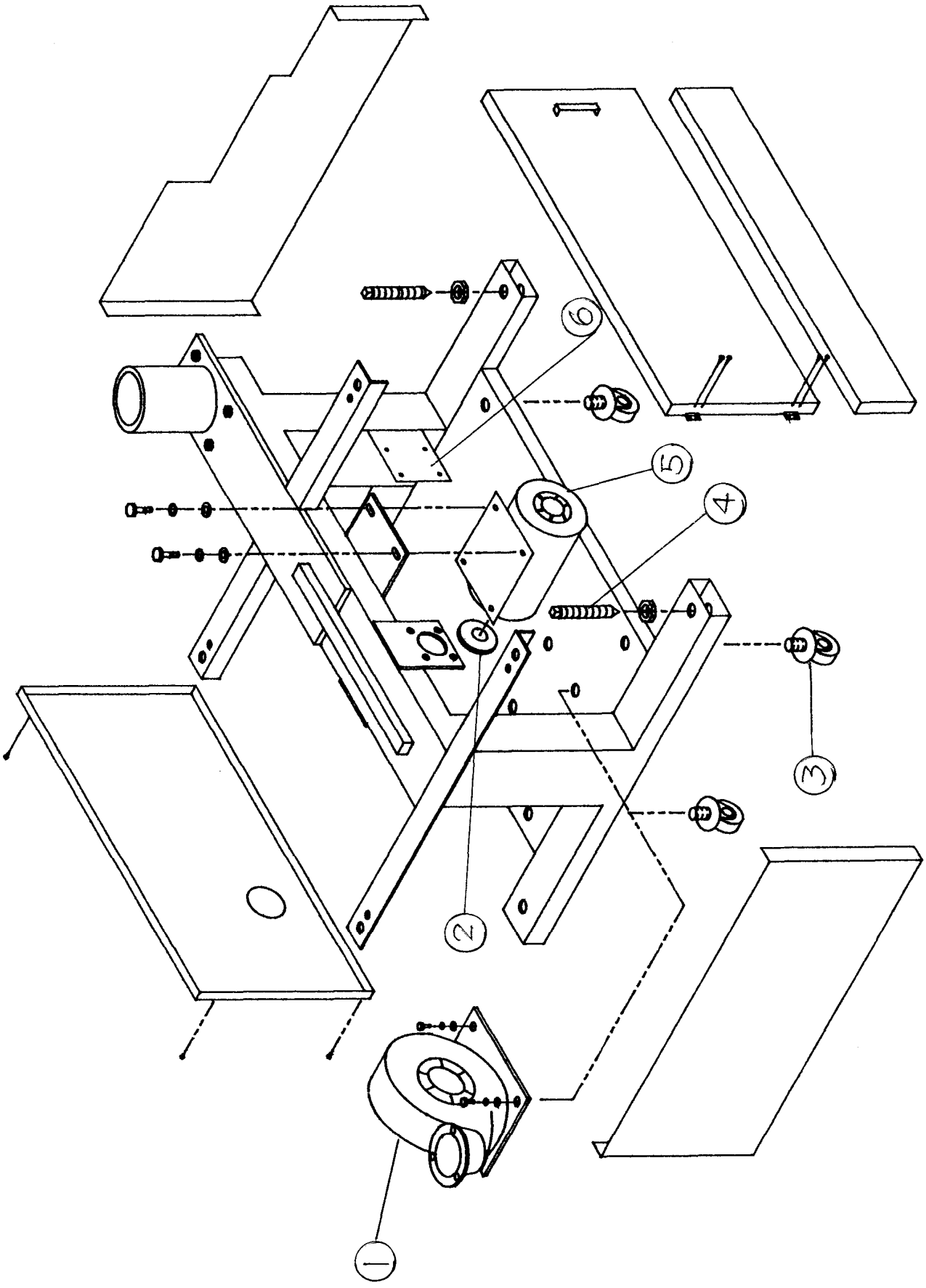
序號 Ref No	部件編號 Parts No	部件名稱規格 Description		數量 Customer
1	ZA3321	磨刀石Φ65*Φ59*Φ7.8*13	Grinding stone	2
2	700AB035	左砂輪軸芯	Axis for left wheel	1
3	700AB036	右砂輪軸芯	Axis for right wheel	1
4	JB2061	單列向心球軸承 608ZZ	Bearing	2
5	700AB025	磨刀座固定杆	Fixed rod for the grinding base	2
6	ZW0065	梅花手 M6*35L	Bearing	2
7	700AB038	右砂輪座	Base for right wheel	1
8	JH1032	圓錐形壓縮彈簧	Compressed spring	1
9	700AB037	左砂輪座	Base for left wheel	1
10	700AB021	砂輪滑座	Sliding base	1
11	700AB022	砂輪座	Base for wheel	1
12	700AB023	磨刀座擋片	Stopper for the grinding base	1
13	700AB024	磨刀座調節輪	Adjusted wheel for grinding base	1
14	700AB028	磨刀座調節杆	Adjusted rod for grinding base	1
15	700AB026	調整輪固定螺帽	Fixed nut for grinding stone	1
16	700AB027	磨刀座調節環	Adjusted ring for grinding base	1
17	ZW0334	刀具合蓋 175*85*15	Cover	1
18	700AB013	砂輪固定軸心	Fixed axis	1
19	700AB014	砂輪止滑圈	Ring	1
20	700AB043	刀具合固定座	Fixed base	1
21	700AA017	固定塊	Fixed block	1
22	ZW0053	梅花手柄(M8*40L)	Shaft	1
23	700AB016	升降軸心	Axis (for OB-700/900)	1
	1200AB001	升降軸心	Axis（for OB-1200）	1
24	700AB011	刀座固定塊	Fixed block for the knife base	1
25	700AB017	刀座	Knife base	1
26	ZW0053	梅花手柄(M8*40L)	Shaft	1
27	700AB018	墊塊 (刀座內)	Wad (inside the knife base)	2
28	700AB051	刀帶擋杆	Stop rod for the band knife	1


1
2
3
4
5
6
7
8
9
10
11
12
13
14

機械零件目錄

NO.2

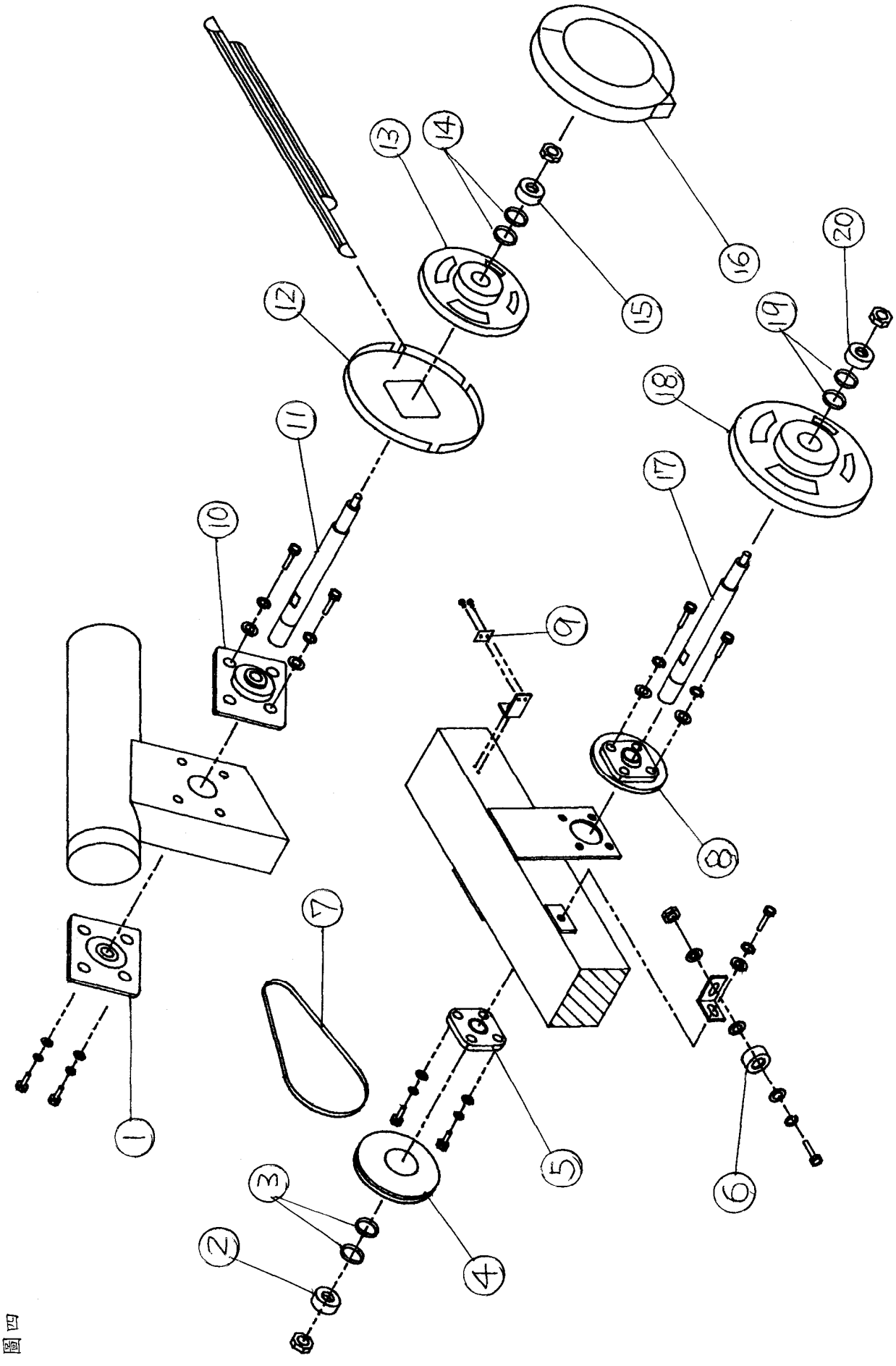
序號 Ref No	部件編號 Parts No	部件名稱規格 Description		數量 Customer
1	JB2004	針狀軸承 NTB2035	Needle bearing	1
2	JH1081	壓縮彈簧 ϕ6.5*ϕ35*105L*10 圈	Compressed spring	1
3	JB1025	軸承 UCF205	Bearing	1
4	JB1001	軸承 BLFL6J	Bearing	1
5	700AB010	調整座擋板	Stopper for the adjusted base	1
6	700AB020	刀帶輪調整杆	Adjusted rod for the band knife	1
7	700AB062	手輪 3”	Wheel	1
8	700AB050	刀帶輪軸心”短”	Bearing for the band knife (short)	1
9	700AB046	刀片下底護罩	Cover for the knife	1
10	700AB041	刀帶輪	Band knife	1
11	JF3001	錐形止環 ϕ24*ϕ21.3*ϕ20*5	Stop ring	1 組
12	700AB047	刀片下蓋護罩	Cover for the knife	1
13	700AB012	墊圈	Pad	1
14	ZW0336	刀蓋 555MM(鋁軌)	Knife cover(FOR OB-700)	2
	ZW0338	刀蓋 650MM	Knife cover(FOR OB-900)	2
	ZW0348	刀蓋 850MM	Knife cover(FOR OB-1200)	2


6
5
4
3
2
1

機械零件目錄

NO. 3

序號 Ref No	部件編號 Parts No	部件名稱規格 Description		數量 Customer
1	DM0201-2	鼓風機 220V	Blast furnace	1
2	700AB034	傳動皮帶輪(小)	Wheel for pass belt (small)	1
3	ZW0132	仿中古輪(美國輪)3”	Wheel	4
4	700AB053	水平調整杆”長 M18*220L	Horizontal adjusted rod	4
5	DM0142	三相交流馬達(鋼板)4P 11HP 卧	Motor	1
6	700AA001	下層機組	Plate(for OB-700)	1
	900AA001	下層機組	Plate(for OB-900)	1
	1200AA001	下層機組	Plate(for OB-1200)	1

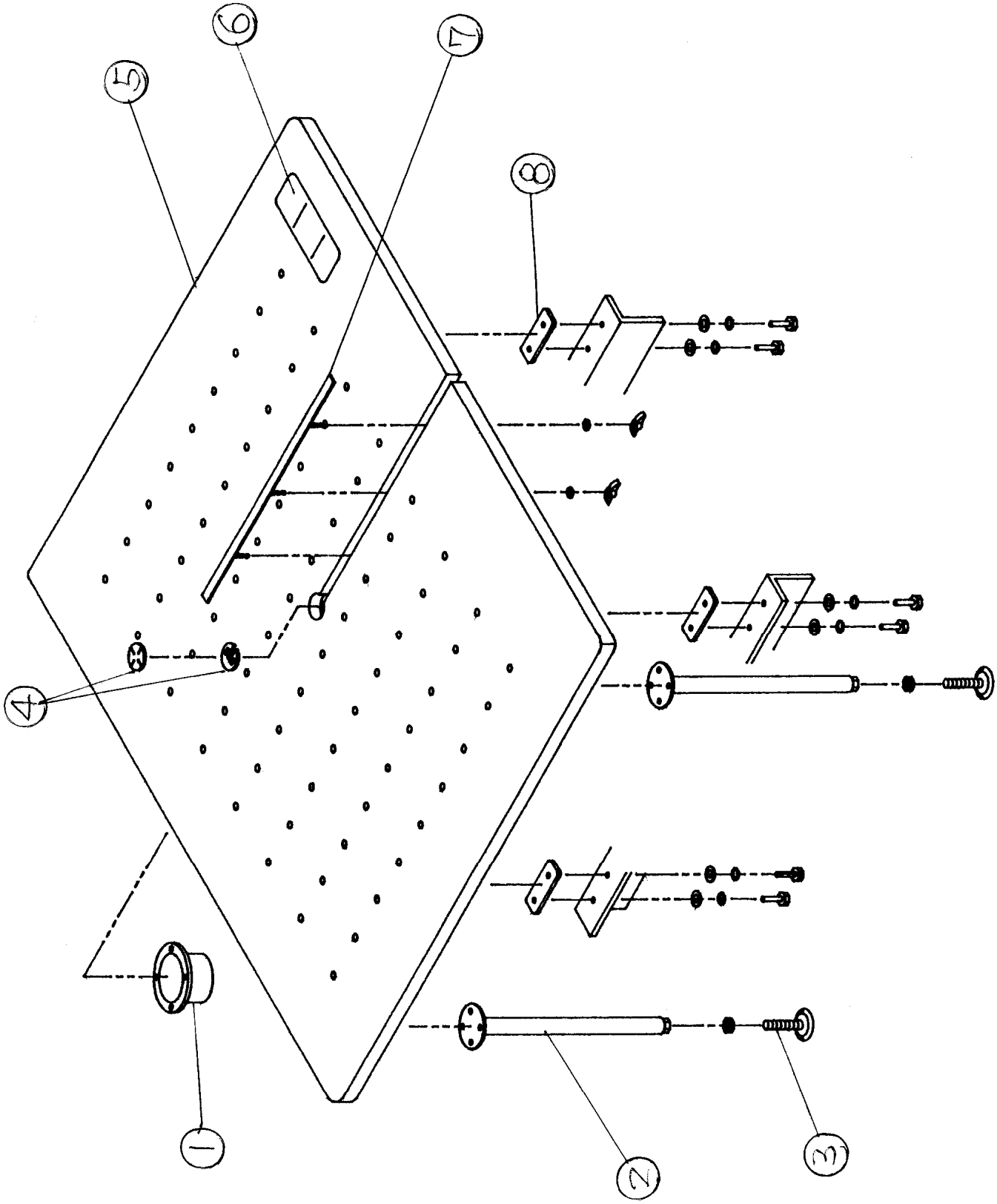


四圖

機械零件目錄

NO.4

序號 Ref No	部件編號 Parts No	部件名稱規格 Description		數量 Customer
1	JB1025	培林 UCF205(需車溝)	Bearing	1
2	700AB012	墊圈	Pad	1
3	JF3001	錐形止環φ24*φ21.3*φ20*5	Stop ring	1 組
4	700AB042	傳動皮帶輪(大)	Wheel for pass belt (big)	1
5	JB1025	培林 UCF205	Bearing	1
6	JB2061	單列向心球軸承 608ZZ	Bearing	1
7	JP0229	三角皮帶 B-37	Triangle belt	1
8	JB1027	培林 UCFC206	Bearing	1
9	JG6371	刮刀 37*20*0.5	Knife	1
10	JB1026	培林 UCF206	Bearing	1
11	700AB049	刀帶輪軸心”中	Axis for band knife wheel (medium)	1
12	700AB044	刀片上底護罩	Cover for knife	1
13	700AB041	刀帶輪	Wheel for band knife	1
14	JF3001	錐形止環φ24*φ21.3*φ20*5	Stop ring	1
15	700AB012	墊圈	Pad	1
16	700AB045	刀片上蓋護罩	Cover for knife	1
17	700AB048	刀帶輪軸心”長”	Axis for band knife wheel (long)	1
18	700AB032	轉動刀帶輪	Turning wheel for band knife	1
19	JF3001	錐形止環φ24*φ21.3*φ20*5	Stop ring	1
20	700AB012	墊圈	Pad	1

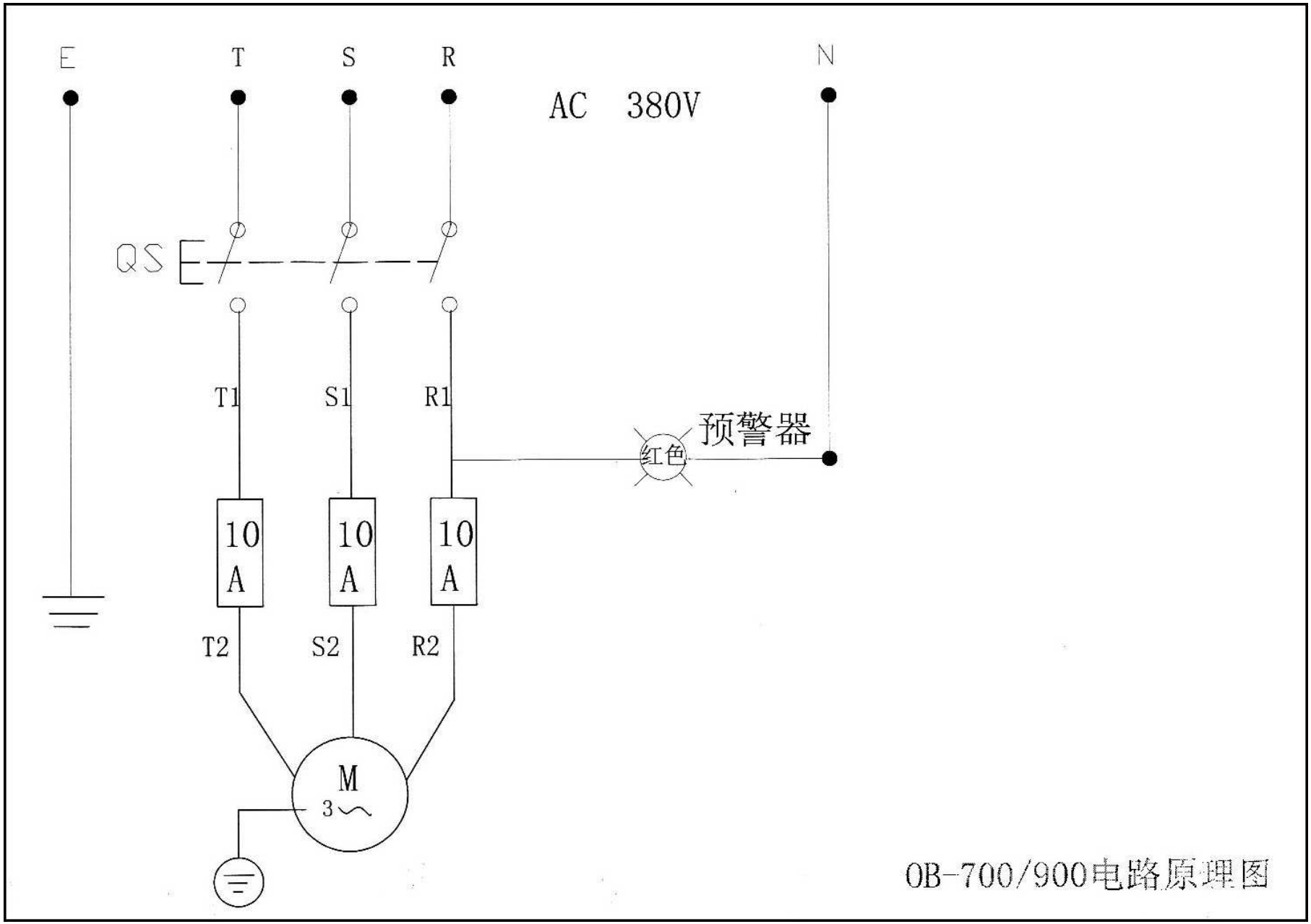


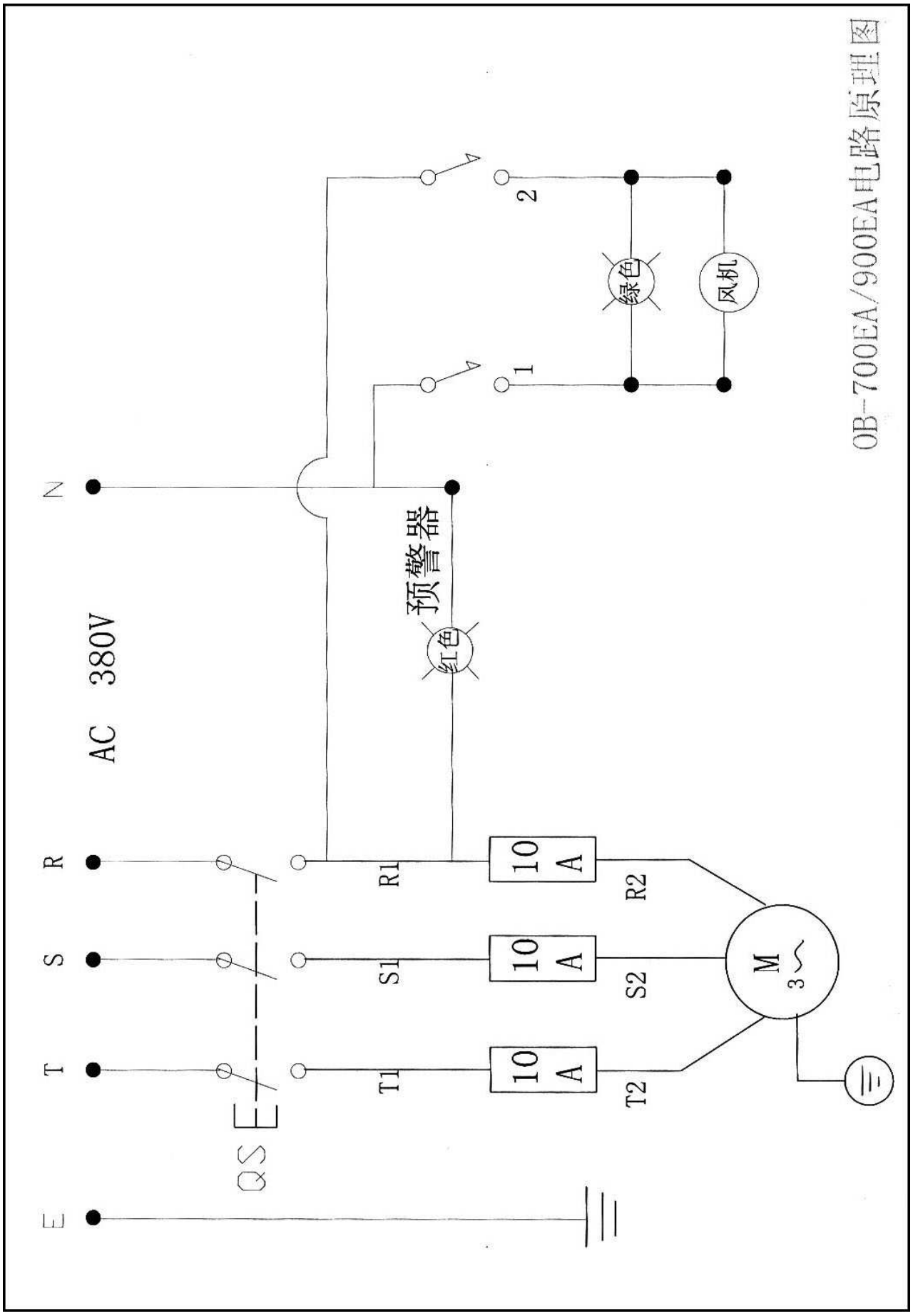
圖五

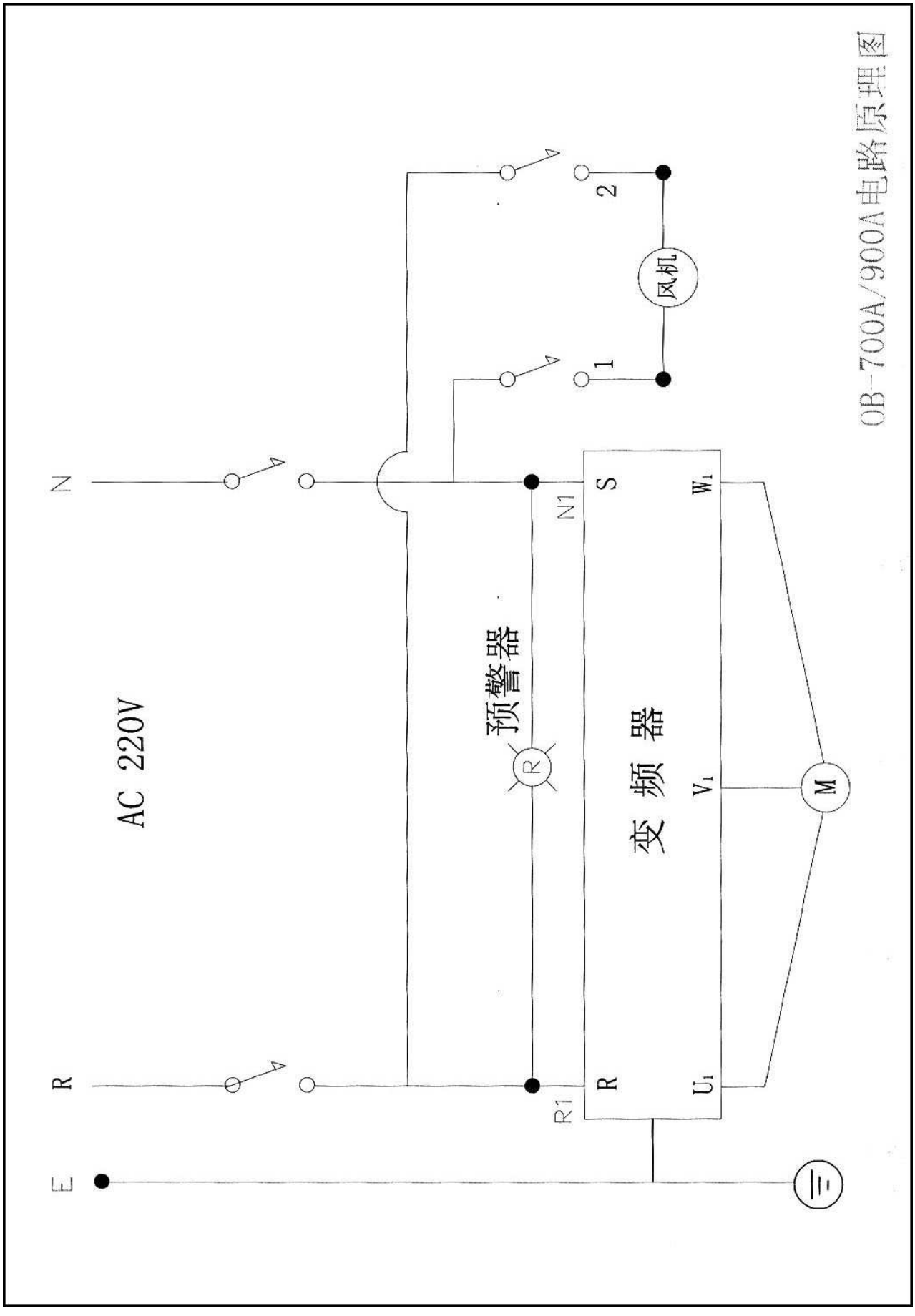
機械零件目錄

NO.5

序號 Ref No	部件編號 Parts No	部件名稱規格 Description		數量 Customer
1	1200AA013	进風口	Wind outlet	1
2	700AA016	支撐杆	Holding rod	2
3	700AB054	水平調整杆”短”M18*195L	Horizontal adjusted rod (short)	2
4	700AB029/030	刀具上導片/刀具下導片	Knife guide	1
5	ZA3253	工作臺 1500*1200*35MM	Working table(for OB-700)	1
	ZA3255	工作臺 1800*1500*35MM	Working table(for OB-900)	1
	ZA3256	工作臺 2400*1500*35MM	Working table(for OB-1200)	1
6	DZ0301-1	變頻器 BBVFD007B21A	Inverter	1
7	700AB031	刀具導片調節杆	Adjusted rod for the knife guide	1
8	700AA022	臺板固定片	Fixed plate for the table	4


E
T
S
R
N
AC 380V
QS
T1
S1
R1
预警器
红色
10A
10A
10A
T2
S2
R2
M
3
OB-700/900电路原理图


OB-700EA/900EA电路原理图
AC 380V
N
R
S
T
E
QS
R1
S1
T1
R2
S2
T2
10 A
10 A
10 A
预警器
红色
1
2
绿色
风机
M
3~


OB-700A/900A电路原理图
AC 220V
N
R
E
N1
R1
S
R
W1
V1
U1
变频器
预警器
R
M
三
1
2
风机

裁剪机变频器参数一鉴表
(VFD-B 系列)

顺序号	参数名	出厂值	单位	设定范围	现已更改为
00-05	定义单位比例常数 K	1	0.01	0.01-160.00	30
01-00	最高频率	60HZ	0.01HZ	50-400HZ	60HZ(700A) 50HZ(900A)
00-08	参数保护密码	00	1	00-65535	700(700A) 900(900A)
01-08	输出频率下限	00	1	00-100%	63(700A) 76(900A)
01-09	加速时间			0.1-3600	9
01-10	减速时间	10	0.1	0.1-3600	9

The list of inverter's parameter
(VFD-B 系列)

order No.	Description of parameter	Original value	Unit	Setting range	Change as
00-05	The definition unit number K	1	0.01	0.01-160.00	30
01-00	The highest frequency	60HZ	0.01HZ	50-400HZ	60HZ(700A) 50HZ(900A)
00-08	The protective code of parameter	00	1	00-65535	700(700A) 900(900A)
01-08	The lowest limit of output frequency	00	1	00-100%	63(700A) 76(900A)
01-09	Accelerative time			0.1-3600	9
01-10	Declarative time	10	0.1	0.1-3600	9

隨機工具及附件一覽表

機型及名稱		帶状式裁剪機			
序號 Ref No	部件編號 Parts No	部件名稱規格 Description		數量 Customer	备注
1	ZW0315	工具袋	Tool box	1	
2	JG1016	雙頭呆扳手 8*10	Spanner	1	
3	JG1018	雙頭呆扳手 12*14	Spanner	1	
4	JG1064	內六角扳手 2.5	Spanner	1	
5	JG1065	內六角扳手 3	Spanner	1	
6	JG1067	內六角扳手 5	Spanner	1	
7	JG1068	內六角扳手 6	Spanner	1	
8	JG6058	螺絲刀（兩用）150mm	Screw	1	
9	700AA026	φ54 水平調節塊	Horizontal adjusted pad	6	OB-900\1200 用 8 个
10	700AB053	M18*220L 水平調節杆	Horizontal adjusted rod	4	
11	JD2048	不鏽鋼圓柱頭內六角螺絲 M6*55	Screw	4	1200 用 6 个
12	JF1009	平墊圈φ6*φ16*1.5	Ring	8	1200 用 12 个
13	JF2006	彈簧墊圈 6	Spring pad	4	1200 用 6 个
14	JG5064	0.45*3500 刀片	Knife	2	OB-700 專用
15	JG5063	0.45*3860 刀片	Knife	2	OB-900 專用
16	JG5061	0.45*4560 刀片	Knife	2	OB-1200 專用
17	JF0010	磨刀石φ65*φ59*φ7.8*13	Grinding stone	2	
18	JG4008	水平尺 DP-S93B	Horizontal ruler	1	
19	DF0306	保險管 RT14-20 6A	Safety	3	無變頻器機型用
20	ZA1201	說明書	Manual	1	

異常發生及排除方法

顯示符號	異常現象說明	排除方法
oc	變頻器偵測輸出側有異常突增的過電流產生	1. 檢查馬達額定與變頻器額定是否相匹配 2. 檢查變頻器U-V-W間有無短路 3. 檢查與馬達連線是否有短路現象或接地 4. 檢查變頻器與馬達的螺絲有無鬆動 5. 加長加速時間 6. 檢查是否馬達是否有超額負載
ou	變頻器偵測內部直流高壓側有過電壓現象產生	1. 檢查輸入電壓是否在變頻器額定輸入電壓範圍內，並監測是否有突波電壓產生 2. 若是由於馬達慣量回升電壓，造成變頻器內部直流高壓側電壓過高，此時可加長減速間或加裝煞車電阻(選用)
oH	變頻器偵測內部溫度過高，超過保護位準	1. 檢查環境溫度是否過高 2. 檢查散熱片是否有異物.風扇有無轉動 3. 檢查變頻器通風空間是否足夠
Lu	變頻器內部直流高壓側過低	1. 檢查輸入電源電壓是否正常 2. 檢查負載是否有突然的重載 3. 是否三相機種單相電源入力或欠相
oL	輸出電流超過變頻器可承受的電流，若輸出150%的變頻器額定電流，可承受60秒。	1. 檢查馬達否過負載 2. 減低 (07-02) 轉矩提升設定值 3. 增加變頻器輸出容量
oL 1	內部電子熱動電驛保護動作	1. 檢查馬達是否過載 2. 檢查 (07-00) 馬達額定電流值是否適當 3. 檢查電子熱動電驛功能設定. 4. 增加馬達容量.
oL2	馬達負載太大	1. 檢查馬達負載是否過大 2. 檢查過轉矩檢出位準設定值(06-03 ~ 06-05)
HPF	控制器保護線路異常 (有*HPF.1,HPF.2,HPF.3*三種)	送回原廠

ocA	加速中過電流	1. 檢查變頻器與馬達的螺絲有無鬆動 2. 檢查U-V-W到馬達之配線是否絕緣不良 3. 增加加速時間 4. 減低 (7-02) 轉矩提升設定值 5. 更換較大輸出容量變頻器
ocd	減速中過電流產生	1. 檢查U-V-W到馬達之配線是否絕緣不良 2. 減速時間加長 3. 更換大輸出容量變頻器
ocn	運轉中過電流產生	1. 檢查U-V-W到馬達之配線是否絕緣不良 2. 檢查馬達是否堵轉 3. 更換大輸出容量變頻器
EF	當外部EF端子閉合時，變頻器停止輸出	清除故障來源後按"RESET"鍵即可
EF1	當外部多功能輸入端子(MI1~MI6)設定緊急停止時，變頻器停止輸出	清除故障來源後按"RESET"鍵即可
cF1	內部記憶體IC資料寫入異常	送廠維修
cF2	內部記憶體IC資料讀出異常	1. 按下RESET鍵將參數重置爲出廠設定 2. 若方法無效，則送廠維修
cF3	變頻器偵測線路異常 (有*CF3.1~CF3.7*七種)	送廠維修
GFF	接地保護線路動作。當變頻器偵測到輸出端接地且接地電流高於變頻器額定電流的50%以上。注意:此保護係針對變頻器而非人體。	1.檢查與馬達連線是否有短路現象或接地 2.確定IGBT功率模組是否損壞 3.檢查輸出側接線是否絕緣不良
bb	當外部多功能輸入端子(MI1~MI6)設定此一功能時，變頻器停止輸出	清除信號來源"bb"立刻消失
cFA	自動加減速模式失敗	1. 變頻器與馬達匹配是否恰當 2. 負載回升慣量過大 3. 負載變化過於急驟
cE-	通信異常	1. 檢查通訊信號有無反接(RJ11) 2. 檢查通訊格式是否正確
codE	軟體保護啓動	1. 顯示Ccode送廠維修 2. 顯示Pcode爲密碼鎖定

Trouble Shooting

Code	Possibility	Trouble shooting
OC	Inverter detects the electricity is abnormal	1. Check if the electricity for the motor and for the inverter is compatible. 2. Check if U-V-W of the inverter is short 3. Check if the connection of the motor is short or connecting to the ground 4. Check if the screws of the inverter and of the motor are loose. 5. Extending the speedy time 6. Check if the motor is overloading
OU	Inverter detects the electricity is too high	1. Check if the input electricity is under the normal value and inspect if there is any additional electricity occurred. 2. If the motor resumes the electricity higher and results in the inner electricity of the inverter is too high, the decelerating time can be longer or install a resistor (optional).
OH	Inverter detects the inner temperature is too high	1. Check if the temperature of the environment is too high 2. Check if there is something attached on the radiator and check if the fan works 3. Check if the ventilator space of the inverter is enough
LO	Inverter detects the electricity is too low	1. check if the input voltage is normal. 2. check if there is a sudden overload. 3. check if 3 phase is wrongly input from 1 phase

OL	The output electricity is over the inverter capacity.	1. check if the motor is overload 2. decelerate the setup value of the torque. 3. increase the capacity of the inverter output
OL 1	The inner component is too high and the relay reacts.	1. check if the motor is overload 2. check if the electricity current is proper 3. check the setup of the heater 4. increase the motor capacity
OL 2	The motor is overload.	1. check if the motor load is too heavy 2. check the setup value of the torque.
HPF	The protect circuit of the controller is abnormal	Return to the supplier
OCR	Electricity occurred while speedy	1. check the screws between the inverter and the motor 2. check the circuit between U-V-W to the motor 3. increase the speedy time 4. decelerate the setup value of the torque 5. replace a inverter with bigger output.
OCD	Electricity occurred while decelerating	1. check the circuit between U-V-W to the motor. 2. Extend the decelerating time. 3. replace a inverter with bigger output.
OC ⊓	Electricity occurred while running	1. check the circuit between U-V-W to the motor. 2. check if the motor runs smoothly 3. replace a inverter with bigger output.
EF	When outer EF terminal is closed, inverter stops to output	Solve the problem and then press RESET
EF1	When outer multifunctional input terminal sets up to be emergency	Solve the problem and then press RESET

	stop, inverter stops output	
CF1	Internal memory IC data input is abnormal	Send back to the supplier for maintenance
CF2	Internal memory IC data output is abnormal	1. press RESET and set up the parameter to be the original value 2. Send back to the supplier for maintenance
CF3	Inverter detects the circuit is abnormal	Send back to the supplier for maintenance
OFF	Connecting to the ground to protect the circuit. When the inverter detects the output side is connecting to the ground and the electricity is 50% higher than the normal electricity. Note: this protection is for the inverter, not for the user.	1. Check if the motor connection is short or connects to the ground. 2. Check if IGBT mould is damaged. 3. Check if the circuit is poor connection
Bb	When outer multifunctional input terminal sets up such a function, the inverter stops output.	Clear the signal origin and bb will disappear immediately.
CFR	Automatic speed/decelerate mode failure	1. check if the inverter and motor are compatible 2. 負載回升慣量過大 3. overload change is too rapid
CE-	Abnormal communication	1. check if the communication signal is connected anticlockwise. 2. check if the communication signal is correct
CODE	Software protection starts	1. In case it shows Ccode, please send back to the supplier for maintenance 2. In case it shows Pcode, the password is locked.