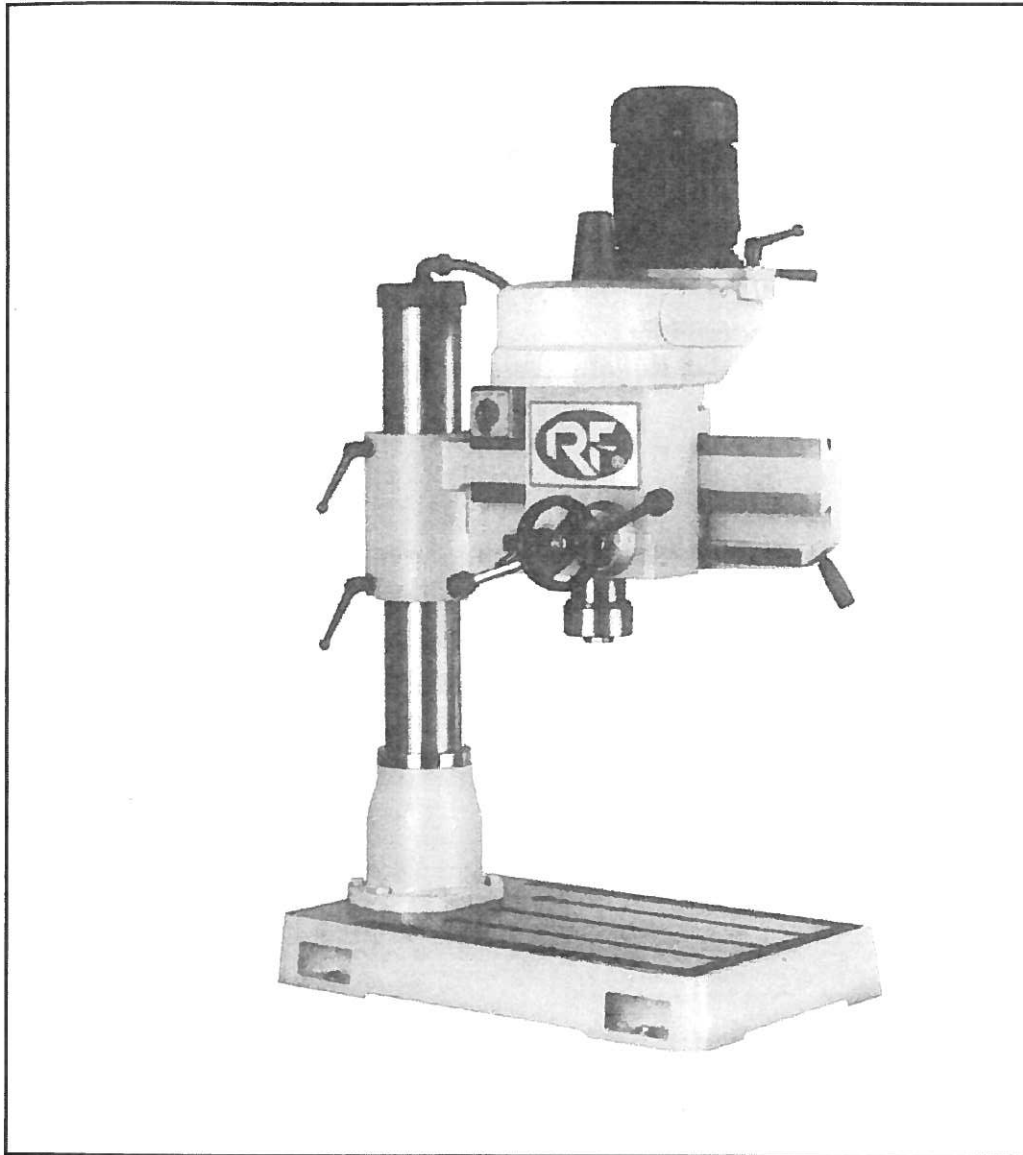


MINI RADIAL DRILLING & TAPPING MACHINE



MODEL RF-35 INSTRUCTION MANUAL

35-110802-R2



WARNING !

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemical are:

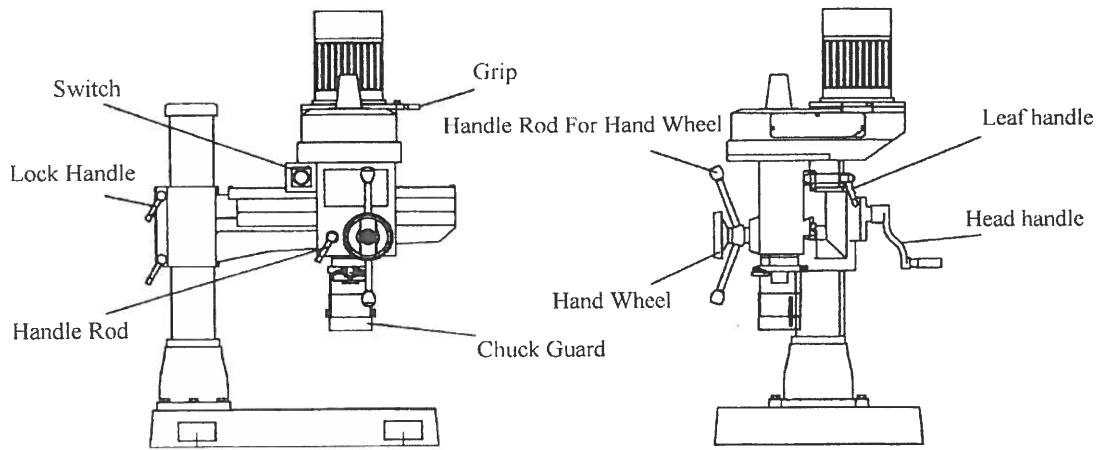
- Lead from lead-based paints.
- Crystalline silica from bricks, cement and other masonry products.
- Arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: Work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

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**WARNING: FAILURE TO FOLLOW THESE RULES
MAY RESULT IN SERIOUS PERSONAL INJURY**

As with all machinery there are certain hazards involved with operation and use of the machine. Using the machine with respect and caution will considerably lessen the possibility of personal injury. However, if normal safety precautions are overlooked or ignored, personal injury to the operator may result.

This machine was designed for certain applications only. We strongly recommends that this machine NOT be modified and/or used for any application other than for which it was designed. If you have any questions relative to its application DO NOT use the machine until you contact with us and we have advised you.

Your machine might not come with a power socket or plug. Before using this machine, please Do ask your local dealer to install the socket or plug on the power cable end.

SAFETY RULES FOR ALL TOOLS

A. USER:

(1). **WEAR PROPER APPAREL.** No loose clothing, gloves, rings, bracelets, or other jewelry to get caught in moving parts.

Non-slip foot wear is recommended. Wear protective hair covering to contain long hair.

(2). **ALWAYS WEAR EYE PROTECTION.** Refer to ANSLZ87.1 standard for appropriate recommendations.

Also use face or dust mask if cutting operation is dusty.

(3). **DON'T OVERREACH.** Keep proper footing and balance at all times.

(4). **NEVER STAND ON TOOL.** Serious injury could occur if the tool is tipped or if the cutting tool is accidentally contacted.

(5). **NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF.** Don't leave tool until it comes to a complete stop.

(6). **DRUGS, ALCOHOL, MEDICATION.** Do not operate tool while under the influence of drug, alcohol or any medication.

B. USE OF MACHINE:

(1). **DON'T FORCE TOOL.** It will do the job better and be safer at the rate for which it was designed.

(2). **USE RIGHT TOOL.** Don't force tool or attachment to do a job for which it was not designed.

(3). **SECURE WORK.** Use clamps or a vise to hold work when practical. It's safer than using

your hand frees both hands to operate tool.

(4). **USE RECOMMENDED ACCESSORIES.** Consult the owner's manual for recommended accessories. The use of improper accessories may cause hazards.

(5). **AVOID ACCIDENTAL STARTING.** Make sure switch is in "OFF" position before plugging in power cord.

C. ADJUSTMENT :

MAKE all adjustments with the power off. In order to obtain the machine. precision and correct ways of adjustment while assembling, the user should read the detailed instruction in this manual.

D. WORKING ENVIRONMENT:

(1). **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.

(2). **DON'T USE IN DANGEROUS ENVIRONMENT.** Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well-lighted.

(3). **KEEP CHILDREN AND VISITORS AWAY.** All children and visitors should be kept a safe distance from work area.

(4). **DON'T** install & use this machine in explosive, dangerous environment.

E. MAINTENANCE

(1). **DISCONNECT** machine from power source when making repairs.

(2). **CHECK DAMAGED PARTS.** To read every details of trouble shooting, repair it very carefully and make sure the operator won't get injure and damage the machine.

Thank you for purchasing the **RF-35** Mini Radial Mill/ Drill Machine. If properly cared for and operated, this machine can provide you with years of accurate service. Please read this manual carefully before using your machine.

1.SPECIFICATION

MODEL	RF-35
Drilling capacity	32mm(1-1/4")
Swing	920mm(36-1/4")
Max. distance spindle nose to table	600mm(23-5/8")
Spindle taper	M.T.3 or R-8
Spindle stroke	130mm(5")
Diameter of Spindle sleeve	75mm(3")
Head swivel	180°

Diameter of column		115mm(4-1/2")	
Overall height (w/o stand)		1092mm(43")	
Machine stand height		610mm(24")	
Length		813mm(32")	
Width		559mm(22")	
Motor		1-1/2HP	
Spindle speed (r.p.m.)	5S	50Hz	140~2500(4/8P) ; 280~2500(4P)
		60Hz	170~3000(4/8P) ; 340~3000(4P)
Right and left travel of table		380mm(15")	
Working area of table		550mm x 500mm(22"x 20")	
Gross weight		290kgs (640 lbs)	
Measurement (w/o stand)		584 x 864 x 1143	
Standard accessories : Chuck arbor, Drill chuck, Punch key, Paint (can)			

2. BASIC & OPTIONAL FEATURES

- (1). Wide range of applications: Milling, Drilling
- (2). Sturdy construction and not limited to skilled operators
- (3). Standard forward and reverse switch
- (4). Convenient control for arm
- (5). Radial head movement
- (6). Tapping is optional by request
- (7). Step-pulley head
- (8). Deluxe stand is optional by request

3. DELIVERY & INSTALLATION

Unpacking

1. Transportation to desired location before unpacking, please use lifting jack.(Fig. B)
2. Transportation after unpacking, please use heavy duty fiber belt to lift up the machine.

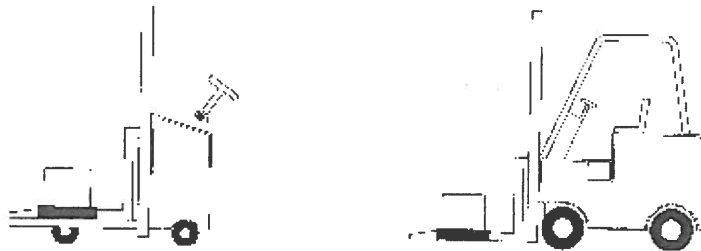
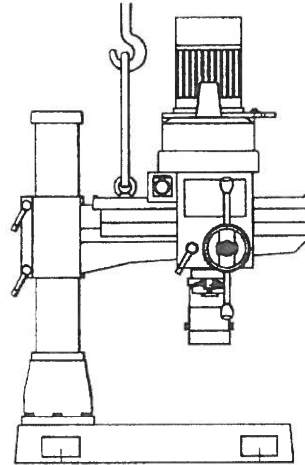


Fig. B

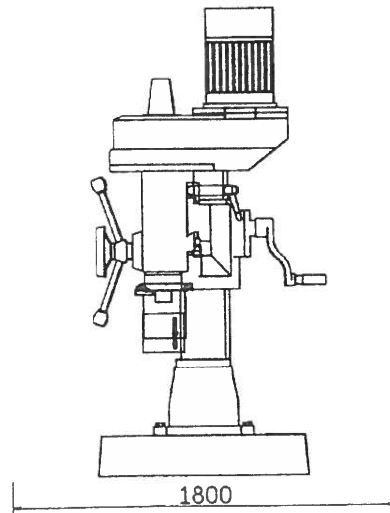
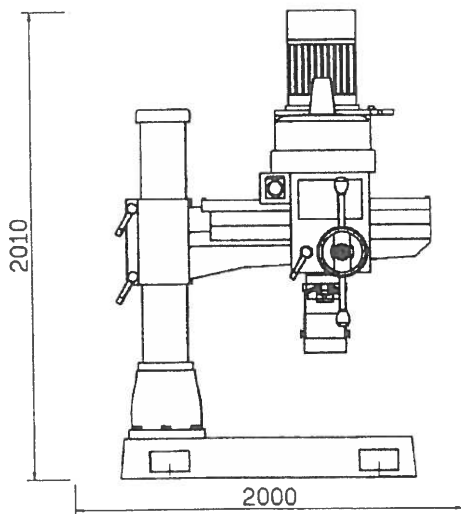
ALLWAYS KEEP PROPER FOOTING & BALANCE WHILE MOVING THIS MACHINE.

Installation:

- (1). Be sure to fix the head on the column and put the hanger or, the head before moving machine. While moving machine, please keep its balance and safety.
- (2). Do not mount machine at the sunshine place to avoid the deformity of machine and the loss of accuracy.
- (3). Check to see if the motor turning in clockwise direction before connecting the electric distribution line.
- (4). Mount machine to a sturdy table or base. It is advisable that the table you choose be well constructed to avoid any vibration during operation.
- (5). Four holes are provided on the machine base for mounting. Before tightening bolts make sure the work table on the machine is level lengthwise and crosswise. Use shims if necessary.



4.MINIMUM ROOM SPACE FOR MACHINE OPERATION



5. USE OF MAIN MACHINE PARTS (See Fig. 1)

- (1) Grip
- (2) Switch
- (3) Handle rod for hand wheel
- (4) Hand wheel
- (5) Indicator
- (6) Lock handle
- (7) Rack handle rod

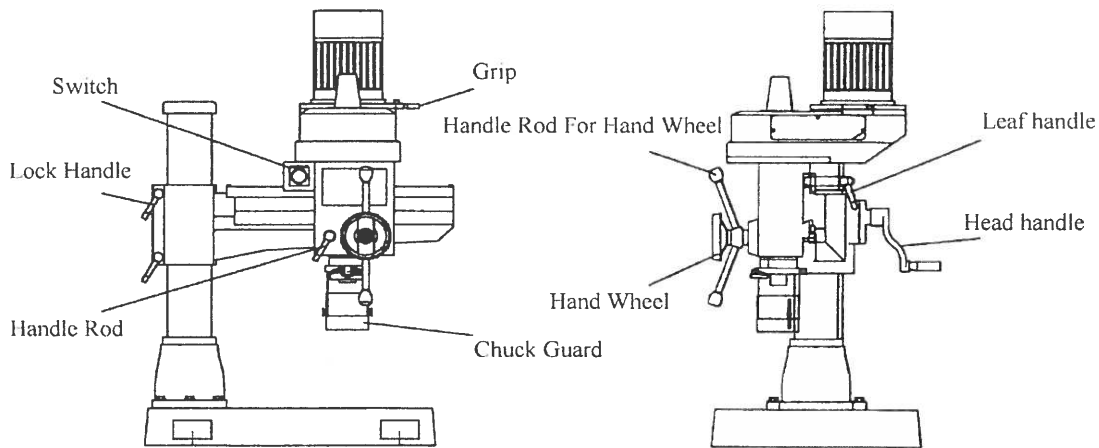
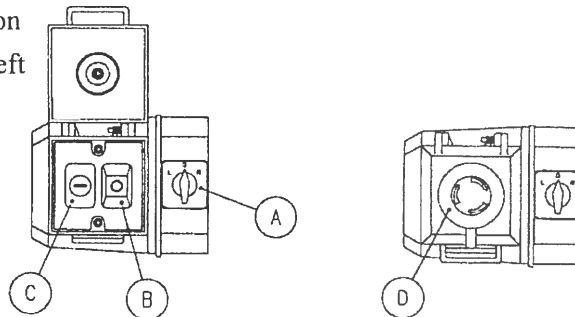


Fig. 1

(8) Switch button function description.

- (a) Before starting the machine turn the selection knob (A) to (right for clock wise running, left for counter clock wise)
- (b) Push button (C) to start the machine.
- (c) Push button (B) to stop the machine.
- (d) When in emergency push button to stop the machine. after clearing the trouble, release emergency button, re-start the machine by pushing the start button.



6. PRECAUTION FOR OPERATION

Check all parts for proper condition before operation; if normal safety precautions are noticed carefully, This machine can provide you withstanding of accurate service.

- (1) Before Operation
 - (a) Fill the lubricant.

- (b) In order to keep the accurate precision, the table must be free from dust and oil deposits.
- (c) Check to see the tools are correctly set and the work-piece is set firmly.
- (d) Be sure the speed is not set too fast.
- (e) Be sure everything is ready before use.

(2) After Operation

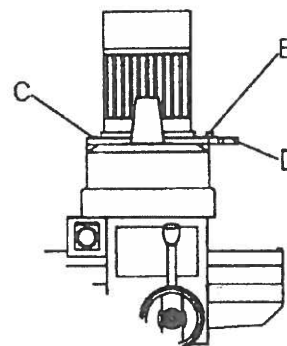
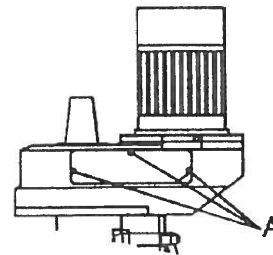
- (a) Turn off the electric switch.
- (b) Turn down the tools.
- (c) Clean the machine and coat it with lubricant.
- (d) Cover the machine with cloth to keep out the dust.

7. PREPARING FOR DRILLING

- (1) To raise and lower the head, loosen the two lock handle, rotate the head handle to desired height. Then lock the lock handle well.
- (2) To travel and backward the machine head, loose the leaf handle (for head locking) at the back side of the arm. Rotate the hand wheel for moving the machine head to desired position. Then lock the leaf handle well.
- (3) When machine head is in fixed position, turn on the power. Spindle will go down for drilling by rotating handle rod for hand wheel in clockwise direction. Spindle will go back to original position by loosing the handle rod for hand wheel, or rotating handle rod in counter clockwise.

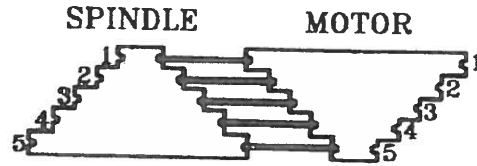
8. SPEED CHANGING AND BELT ADJUSTMENT

- 1. Turn off the power.
- 2. Remove motor side plate (right & left) by loosing set screw A .
- 3. Loose motor base screw B & C , move the grip D by clockwise direction to loose the motor belt.
- 4. Select the suitable R. P. M., according to speed chart (Table.1). Then place the belt on desired pulley step. Hold the grip D toward counter-clockwise direction for pulling belt to tight.
- 5. Tighten two screw B & C.
- 6. Cover the side plates, tighten the screw A.



BELT	m/min			
	50Hz		60Hz	
	4P	8P	4P	8P
1-1	2500	1250	3000	1500
2-2	1385	640	1665	830
3-3	880	440	1060	530
4-4	550	275	660	330
5-5	280	140	340	170

Table.1



9. TO CHANGE TOOLS

(1). Removing Face Mill or Drill Chuck Arbor.

Loosen the arbor bolt at the top of the spindle shaft approximately 2 turns with a wrench. Rap the top of the arbor bolt with a mallet.

After taper has been broken loose, holding chuck arbor on hand and turn detach the arbor bolt with the other hand.

(2). To Install Face Mill or Cutter Arbor

Insert cutter and cutter arbor into the taper of spindle. Tighten arbor bolt detach securely, but do not over-tighten.

(3) Removing Taper Drills

(a) Turn down the arbor bolt and insert the taper drill into the spindle shaft.

(b) Turn the rapid down handle rod down until the oblong hole in the rack sleeve appears. Line up this hole with the hole in the spindle. Insert key punch key through holes and strike lightly with a mallet. This will force the taper drill out.

10. ORDERING REPLACEMENT PARTS

Complete parts list is attached. If parts are needed, contact your local distributor.

11. OPTIONAL ACCESSORIES

Each of machines is equipped with a MT # 3 spindle taper or a R-8 spindle taper (examples below).

Contact your local distributor or a major cutting tool distributor to obtain any of these accessories.

Taper Drills	Deluxe Stand	Inverter Switch
Reamers	52 Pcs Clamping Kit	Work Lamp
End Mills	Face Milling Cutter	Collect Chuck
Cutter Arbor	7 Pcs Milling Chuck	Cooling System
Taps	K-Type Milling Vise	3 1/2" Angle Vise
Collets	NT # 30 Spindle Taper	3" Face Mill Cutter

Adapters and Sleeves
 Box Working Table
 Cross Working Table

Tapping Switch For 3 Ph Motor
 Emergency Switch For 3Ph Motor
 Magnetic Switch For 1 or 3 Ph

3-Way Angle Milling Vise
 1/2" Drill Chuck

12. TAPPING EQUIPMENT(OPTIONAL)

This machine can be equipped with an electric switch for tapping operation clockwise or counterclockwise, And the working depth also can be adjusted by the limit switch. (Electric switch will be installed according to your requirement, and there will be a extra cost as well.)

OPERATION FOR TAP PING SWITCH:

- (1) Turn the select switch A (see Fig. 3) to " TAPPING " position when you want to do tapping work.
- (2) Handling down the quill and setting up the stroke of tapping depth by graduated rod.
- (3) Check the proper speed of spindle for your tapping condition.
- (4) Push down the start button B (see Fig. 3) and begin to tap.
- (5) If anything fails, put down the emergency stop D (see Fig. 3) and the machine will stop immediately.
- (6) Release the emergency stop D and the push down the reversing button C, the tap will go reverse back out.
- (7) After finishing your tapping work, Remember to turn the select switch A to " NEUTRAL " position.
- (8) Push E to stop the machine.
- (9) Power light F .

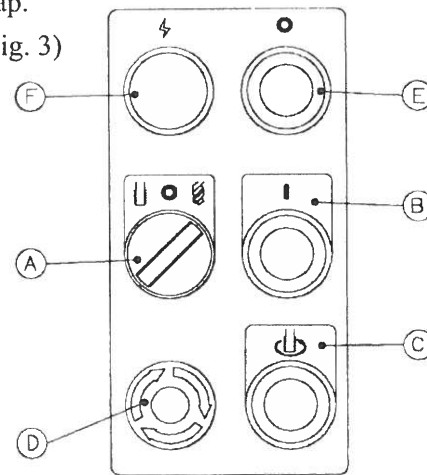


Fig.3

13. SPECIFICATION OF T-SOLT

The size of T-Solt on table as Fig 6:

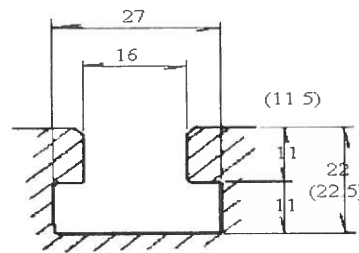


Fig 6

RF-30

14. MAINTENANCE

That's easier to keep machine in good condition or best performance by means of maintaining it at any time than remedy it after it is out of order.

(1) Daily Maintenance (by operator)

- (a) Fill the lubricant before starting machine everyday.
- (b) If the temperature of spindle caused overheating or strange noise, stop machine immediately to check it for keeping accurate performance.
- (c) Keep work area clean; release vise, cutter, workpiece from table; switch off power source; take chip or dust away from machine and follow instructions lubricating or coating rustproof oil before leaving.

(2) Weekly Maintenance

Check to see if sliding surface and turning parts lack of lubricant. If the lubricant is insufficient, fill it.

(3) Monthly Maintenance

- (a) Adjust the accurate gap of slide both on cross and longitudinal feed.
- (b) Lubricate bearing, rack, and worm shaft to avoid wear.

(4) Yearly Maintenance

- (a) Adjust table to horizontal position for maintenance of accuracy.
- (b) Check electric cord, plugs, switches at least once a year to avoid loosening or wearing.

15. CLEANING & LUBRICATING

- (1). Your machine has been coated with a heavy grease to protect it in shipping. This coating should be completely removed before operating the machine. Commercial degreaser, kerosene or similar solvent may be used to remove the grease from the machine, but avoid getting solvent on belts or other rubber parts.
- (2). After cleaning, coat all possible rusted surface with a light lubricant. Lubricate all points with a medium consistency machine oil.

16. TROUBLE SHOOTING

(1) No running after switch on :

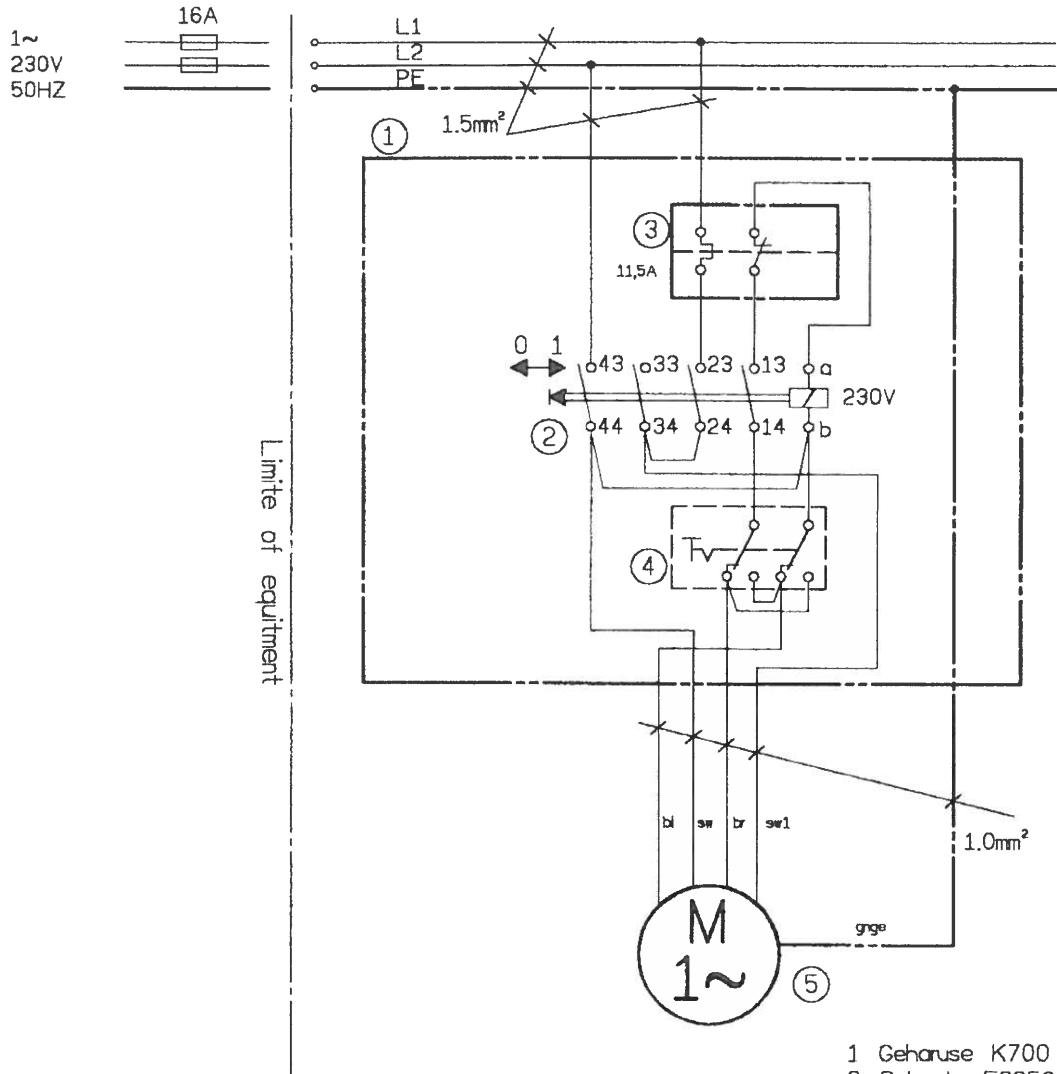
- (a) Main switch interruption while volts irregular - Adjust input voltage and draw back the main switch.
- (b) Break down of fuse in switch box - Replace with new one.
- (c) In case of too much current, the overload relay jumps away automatically - Press the overload relay, and it will return to the correct position.

(2) Motor Overheat and No Power:

- (a) Overload - Decrease the load of feed.

- (b) Lower voltage - Adjust to accurate voltage.
 - (c) Spoiled contact point of magnetic switch - Replace with new one.
 - (d) Break down of overload relay - Connect it or replace with new one.
 - (e) Motor is poor - Replace with new one.
 - (f) Break down of fuse or poor contact with wire (it is easily to spoil motor while short circuit)-
Switch off power source at once and replace fuse with new one.
 - (g) The tension of pulley V-belt too tight - Adjust for proper tension of V-Belt.
 - (h) If this machine with the tapping attachment, there is an aid plum screw fix on the motor mount in order to avoid the motor pulleys shake while turning.
- (3) The temperature of spindle bearing is too hot:
- (a) Grease is insufficient - Fill the grease.
 - (b) The spindle bearing is fixed too tight - Turning with no speed and feel the tightness with hand.
 - (c) Turning with high speed for a long time - Turn it to lightly cutting.
- (4) Lack of power with main spindle revolving:
- (a) The tension of V-belt too loose - Adjust for proper tension of V-belt.
 - (b) Motor has burned out - Change a new motor.
 - (c) Fuse has burned out - Replace with new one.
- (5) Shake of spindle and roughness of working surface has taken place during performance:
- (a) The gap of spindle bearing too wide - Adjust the gap in proper or replace bearing with new one.
 - (b) Spindle loosening up and down - Make two of inner bearing covers on the top tight each other.
Do not over-tighten two inner bearing covers with the taper bearing; it is ok as long as no gap between them.
 - (c) The gap of taper sliding plate too Wide - Adjust the tension of bolt in proper.
 - (d) Loosening of chuck - Fasten chuck.
 - (e) Cutter is dull - Resharpen it.
 - (f) Workpiece has not hold firmly - Be sure to tighten workpiece.
- (6) Without accuracy in performance:
- (a) The balance of ehe workpiece - must be considered as the principle balance while holding workpiece.
 - (b) Often use of hammer to strike workpiece - Forbidden to use hammer to strike workpiece.
 - (c) Unaccurate horizontal table - Check and maintain table for keeping accurate horizontal after a period of use.

CIRCUIT DIAGRAM

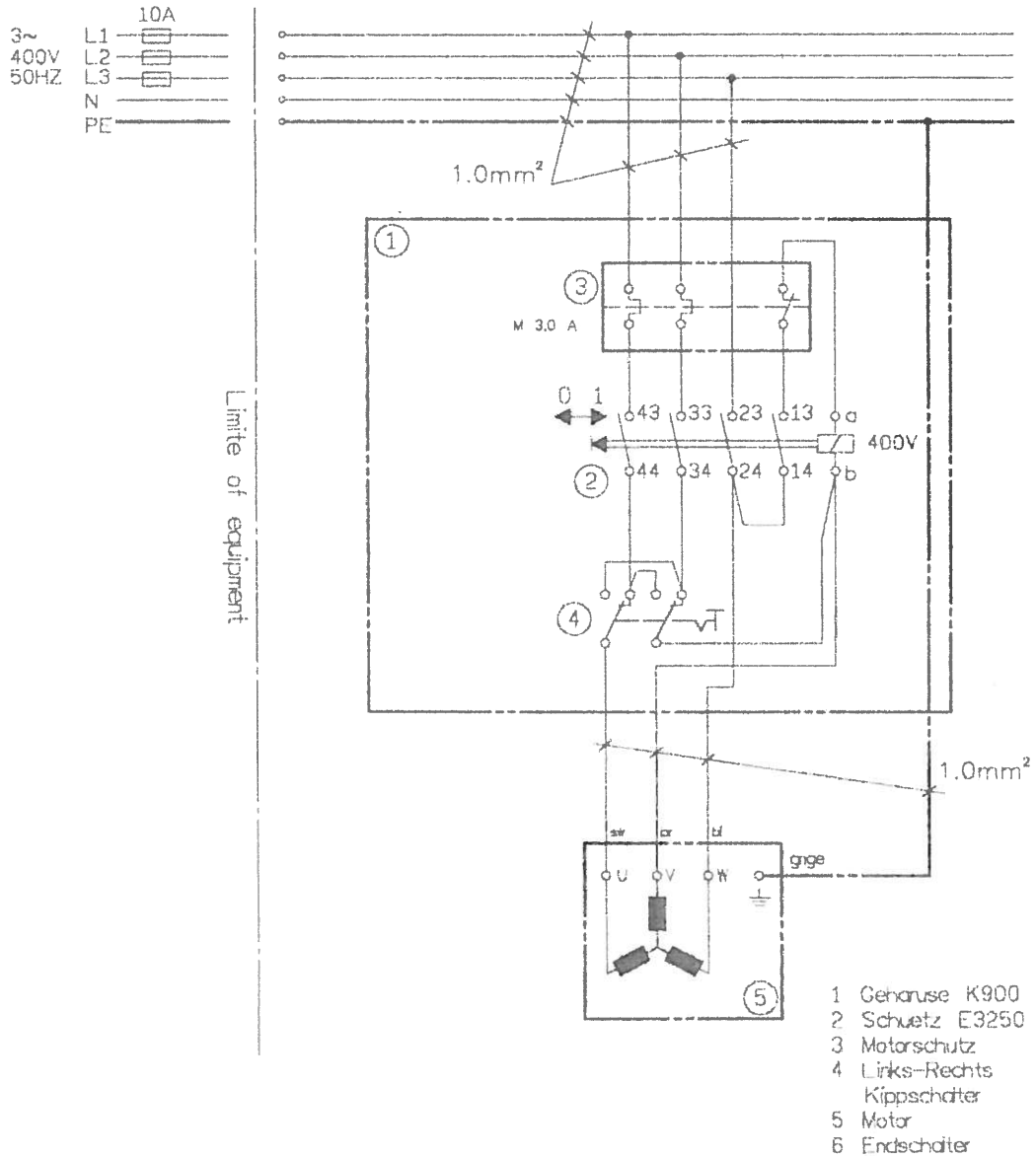


- 1 Gehäuse K700
- 2 Schuetz E3250
- 3 Motorschutz
- 4 Links-Rechts Kippschalter
- 5 Motor

ELECTRICAL SPECIFICATION

ITEM.	DESIGNATION AND FUNCTION	TECHNICAL DATA	QTY	SUPPLIER	SUPPLIER REFERENCE	REMARK
	KLINGER	IE=16A UE=230V UC=230V/50HZ OVERLOAD 12A	1	KLINGER	K700 082705	VDE0620 IEC204-1 VDE0113 Teil 1 EN60204-1/6.93
M	MOTOR	1.11KW 230V 11A 1420 rpm	1	JIUH DAH	JEF	

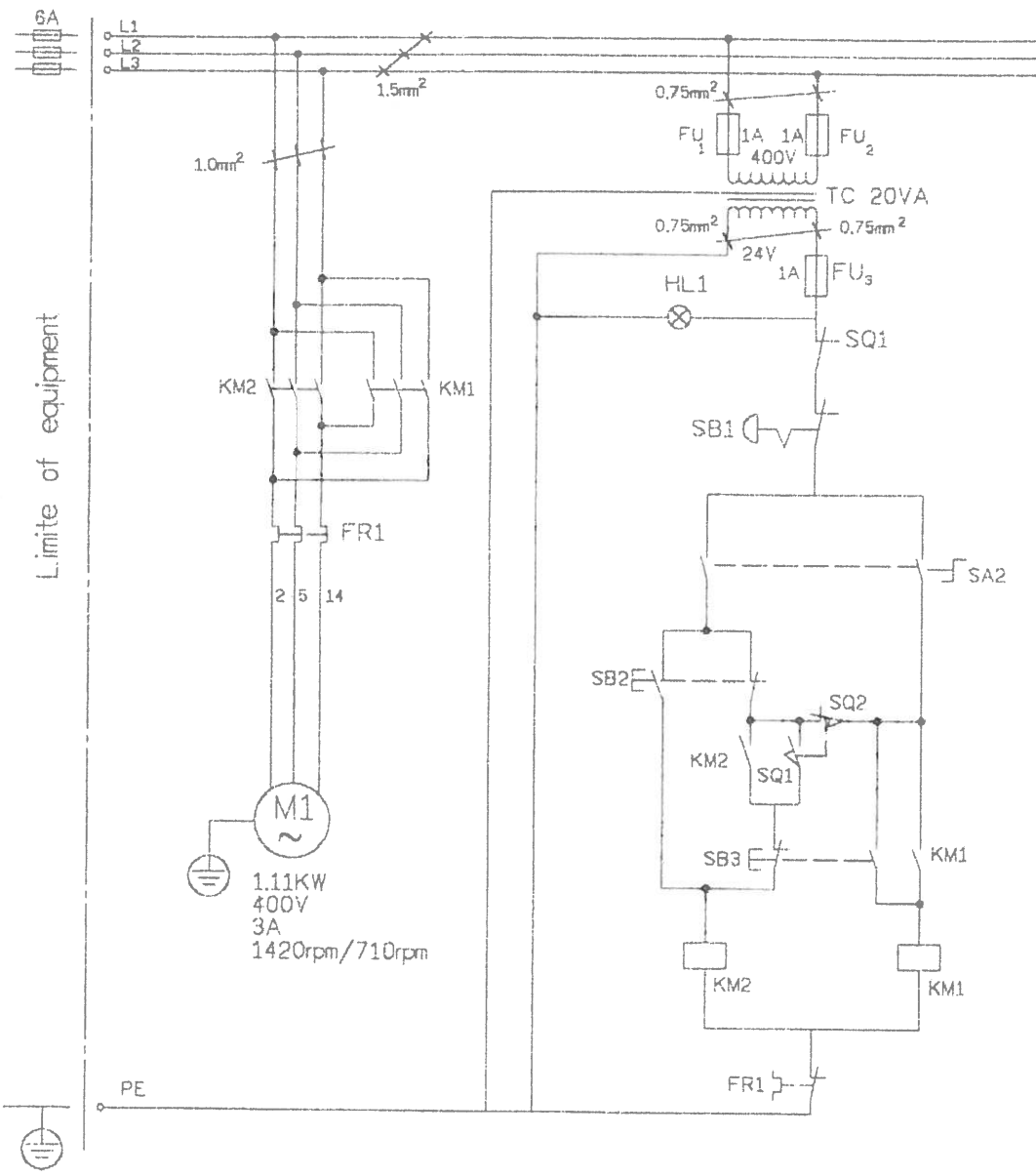
CIRCUIT DIAGRAM



ELECTRICAL SPECIFICATION

ITEM.	DESIGNATION AND FUNCTION	TECHNICAL DATA	QTY	SUPPLIER	SUPPLIER REFERENCE	REMARK
	KLINGER	IE=16A UE=400V UC=400V/50HZ OVERLOAD 3A	1	KLINGER	K900 082925	VDE0620 IEC204-1 VDE0113 Teil 1 EN60204-1/6.93
M	MOTOR	1.11KW 400V 3.0A 1420rpm	1	JIUH DAH	JEF	

CIRCUIT DIAGRAM



ELECTRICAL SPECIFICATION

RONG FU INDUSTRIAL CO.,LTD. RF-35		SCHEDULE OF ELECTRICAL EQUIPMENT			Sheet:	
Item	Designation and function	Technical data	QTY	Supplier	Supplier's reference	REMARK
BOX	BOX	IP66	1	SPELSBERG	PS-2518-11	
SQ1	LIMIT SWITCH	250V/16A	1	RURGESS	X3M306K	IEC60947-5-1 EN60947-5-1 EN50047
SQ2			1			
SB1	EMERGENCY STOP	AC 500V/6A	1	TELEMECA- NIQUE	XB2-EA125 XB2-EA35	EN-54079
SA2	STARTSWITCH		1		XB2-BA35	CSAD15C
SB2	SWITCH	AC 500V/6A	1	TELEMECA- NIQUE	XB2-ED33	EN54075
SB3			1			
KM1	CONTACTOR	AC 600V 24A	1	TELEMECA- NIQUE	LCEK1610	IEC947-4-1 VDE0660 BS5424
KM2	CONTACTOR	AC 600V 24A	1			
FR	OVERLOAD RELAY	$\frac{2.5 \sim 4}{3} A$	1	TELEMECA- NIQUE	LR-7K	IEC947-4-1 VDE0660 BS5424
FU1	FUSE BOX		1			
FU2	FUSE BOX	690V/32A	1	CABUR	SFR,4	
FU3	FUSE BOX	1A	1			
TC	TRANSFORMER	400V/24V 20VA	1	SUENN LIANG	SC-TRA	
M1	MOTOR	1.11KW 400V 3A 1420rpm/710rpm	1	JIUH DAH	JEF-H	
HL1	LIGHT	AC/DC 30V	1	TELEMECA- NIQUE	XB2-FV167	CSAD150
	CABLE FOR MAIN MOTOR	H05VV-F 4x1.0mm ²	1	I-SHENG	H05VV-F	

PARTS LIST
 MODEL NO. 35

CODE_NO	PART_NO	DESCRIPTION	SPECIFICATION	QTY	NOTE
1	501028	Swivel Base		1	
2	501029	Column Base		1	
3	501048	Rack		1	
6	HW107	Spring Washer	M12	6	
7	HS284	Hex. Head Screw	M12x50L	6	
8	501025	Radial Arm		1	
9	501024	Movable Rack		1	
10	HS229	Hex. Socket Head Screw	M6x15L	4	
11	501047	Scale		1	
12	HH001	Rivet	¢ 2	2	
13	W009	Washer	¢ 10.5x ¢ 27x3t	2	
15	501017	Lock Handle		2	
16	501073	Band Steel		1	
17	HT001	Flat Round Head Screw	M5x8L	2	
18	6027-1S	Knob Set		1	
19	6609	Column Flange Ring		1	
20	6611S	Column Head Set		1	
20-1	6611	Column Head		1	
20-2	S610	Hex. Socker Headless Screw	5/16"x5/16"L	1	
22	501061	Hose Bushing		1	
23	6559	Worm Shaft		1	
24	61114	Bushing		1	
25	61101S	Head Raise Bracket Assembly		1	
25-1	61101	Head Raise Bracket		1	
25-2	6160	Worm Gear		1	
25-3	6561	Worm Shaft		1	
25-4	HCS03	C-Retaniner Ring	S14	2	
26	HS231	Hex. Socket Head Screw	M6x25L	4	
27	6158S	Up-Down Handle Set		1	
29	6027-1S	Knob		1	
30	501001A	Head Body		1	
31	6106S	Spindle Taper Sleeve		1	
31-1	6106	Spindle Taper Sleeve		1	
31-2	CA6009ZZ	Ball Bearing+E78	6009ZZ	2	
31-3	6108	Washer	¢ 74x ¢ 68x22	1	
31-4	6123	Fixed Ring	¢ 2x ¢ 41	1	
32	6109	C-Retainer ring	¢ 3x ¢ 80	1	
33	6105	Outer Bearing Plate	¢ 105x66x2.5t	1	
34	HS527	Cross Round Head Screw	M6x10L	3	

PARTS LIST

MODEL NO. 35

CODE_NO	PART_NO	DESCRIPTION	SPECIFICATION	QTY	NOTE
35	501005	Cap		1	
36	HS230	Hex. Socket Head Screw	M6x20L	4	
37	501006	Spindle Pulley		1	
38	6102	Spindle Locknut		1	
39	501032	Main Shaft Cover		1	
40	HS519	Cross Round Head Screw	M5x10L	4	
41	6101	Chuck Arbor Bolt	MT3 M10xP1.5	1	
42	2401001-2	Main Shaft Cover		1	
43	501002	Belt Cover		1	
44	501003	Side Plate(left)		1	
45	501004A	Side Plate(Right)		1	
46	HS519	Cross Round Head Screw	M5x8L	6	
47		Name Plate		1	
48	501007S	Motor Pulley Set		1	
48-1	501007C			1	
48-2	HS430			1	
50	BA032	Belt	17330	1	
51	501030	Motor Mount Plate		1	
52	HS258	Hex. Socket Head Screw	M10x20L	1	
53	6027-1S	Knob		1	
54	W011	Washer	ϕ 10.5x ϕ 27x3t	1	
55	HS262	Hex. Socket Head Screw	M10x40L	1	
56		Motor		1	
57	HK115	Key	8x7x45L	1	
58	HS260	Hex. Socket Head Screw	M10x27L	4	
59	501010S	Spindle Base Set		1	
59-1	501010			1	
59-2	501011			1	
60	HS611	Cross Round Head Screw	M5x15L	3	
61	501012	Indicator(Metric)	Metric	1	
61	501012A	Spindle Shaft	Inch	1	
62	501050	Zero Set Screw		1	
63	501013	Up-Down Handle		1	
64	501039	Knob W/Shaft		2	
65	290086	Plastic Round Knob		2	
66	501065	Wheel		1	
67	HW006	Washer	ϕ 10x ϕ 27x3t	1	
68	HB804	Lock Net	M10	1	
69	501008A	Pinion Shaft		1	

PARTS LIST

MODEL NO. 35

CODE_NO	PART_NO	DESCRIPTION	SPECIFICATION	QTY	NOTE
70	HK010	Key	5x5x30L	1	
71	HS610	Flat Cross Head Screw	M5x10L	1	
72	501009A	Movable Worm Shaft		1	
73	HK007	Key	5x5x15L	1	
74	501015	Handle Rod		1	
75	W001	Washer	1/2"x7/8"x2t	1	
76	501044	Fixed Tight collar		1	
77	501045	Fixed Tight collar (thread)		1	
78	501023S	Roller Assembly		2	
78-1	501023	Sliding Wheel Base		2	
78-2	501038	Roller		4	
78-3	501037	Sliding Wheel Arbor		4	
79	501026	Press Board		2	
80	501021	Slide Block		2	
81	HB001	Steel Ball	ϕ 8	4	
82	HS423	Hex. Socker Headless Screw	M6x16L	4	
83	HN004	Hex. Nut	M6	4	
84	HN005	Hex. Nut	M8	2	
85	HS435	Hex. Socker Headless Screw	M8x35L	2	
86	HS234	Hex. Socket Head Screw	M6x40L	4	
87	501018	Fixed Nut		1	
88	501019	Movable Fixed Block		2	
89	501036	Lock Handle Bushing		1	
90	501043	Leaf Handle		1	
91	6116-SA	Pinion Asbly		1	
91-1	6114	Locknuts		2	
91-2	HW205	Washer	AW06 ϕ 30	1	
91-3	CA30206J	Taper Roller Bearing	E30206J	1	
91-4	6116-2	Rack Sleeve	MT3	1	
91-5	CA30207J	Taper Roller Bearing	30207J	1	
91-6	6117	Spindle Shaft	MT3	1	
91-6	2401017B	Spindle Shaft	MT4 Heat treatment	1	
91-7	6119	Bearing Cap	MT3\R8\MT4	1	
92	6112	Rubber Flange		1	
93	6168	Punch Key		1	
94	6121	Chuck Arbor	MT3 M10xP1.5	1	
95	6127	Screw Key	3/8"X38L	1	
96	N005	Hex. Nut	3/8"	1	
97	61121	Limit Plate		1	

PARTS LIST

MODEL NO. 35

CODE_NO	PART_NO	DESCRIPTION	SPECIFICATION	QTY	NOTE
98	HH001	Rivet	§ 2	2	
99		Speed Chart		1	
100	260616BS	Drill Chuck Guard		1	OPTION
101	501057	Square Table		1	
124	6120	Cutter Arbor	25.4 M10xP1.5	1	
125	6186	Milling Cutter	§ 25.4	1	
126	501106	Gear Shaft		1	
127	501107	Gear		1	
128	501108	Washer		1	
129	HCS04	C-Retainer Ring		1	

MANUFACTURER:

ADDRESS:

SERIAL No.:

PLEASE WRITE DOWN THE SERIAL NO. ON THIS BLOCK FROM THE NAME
PLATE AFTER YOU RECEIVE THIS MACHINE.