

ITEM NO.	FUNCTION DESCRIPTION	ITEM NO.	FUNCTION DESCRIPTION
1	Spindle Forward/Reverse	8	Z axis up/ down ON
2	Spindle ON	9	Z axis up/ down OFF
3	Spindle OFF	10	Coolant OFF
4	Z axis Feed	11	Coolant ON
5	Z axis up / down	12	Power Light
6	Z axis Power ON/ OFF	13	Power ON
7	Z axis Jog	14	Power OFF/ EMG

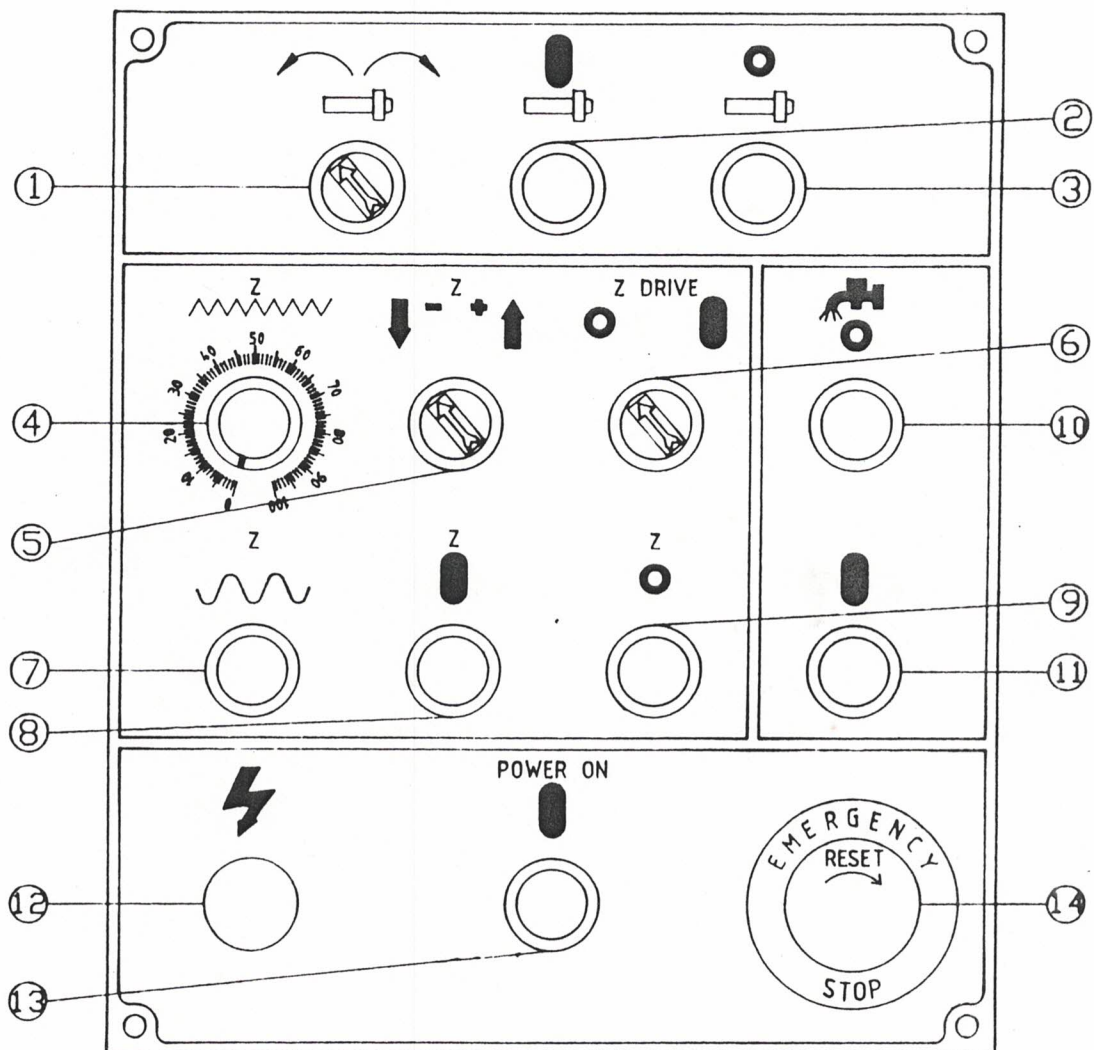


Figure 5.1

8.3 Control Box Description

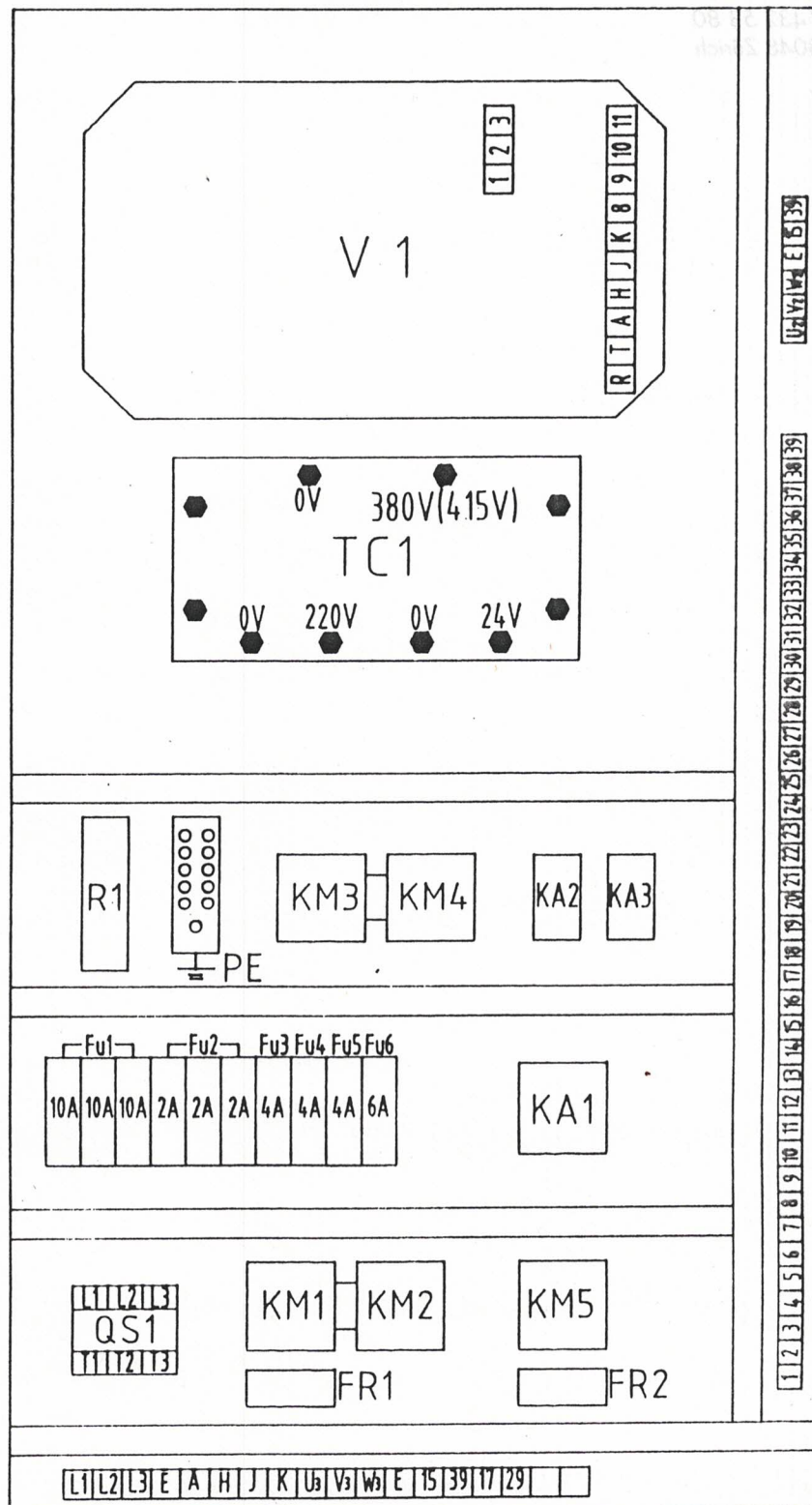


Figure 8.1

8.4 Circuit Diagram

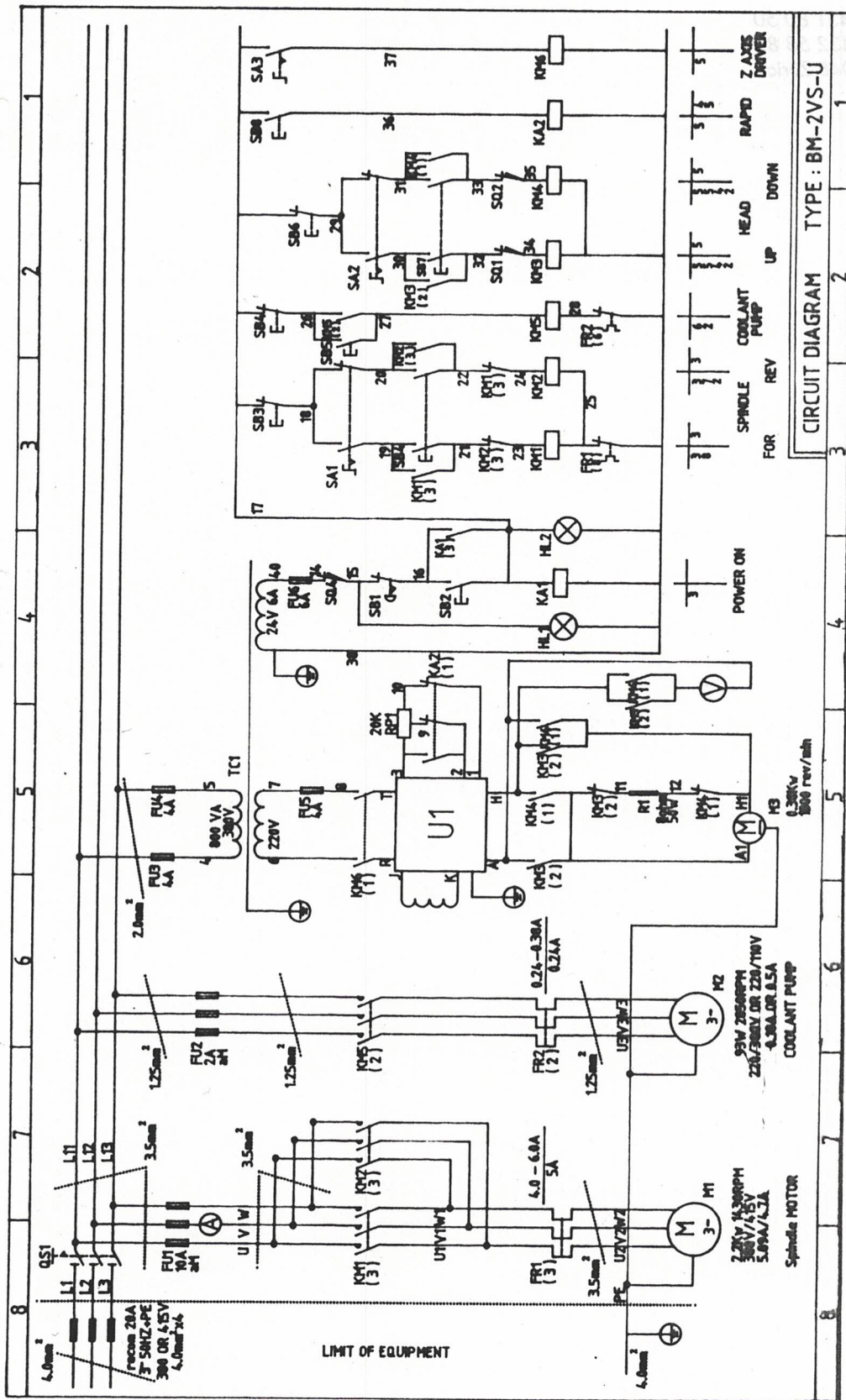
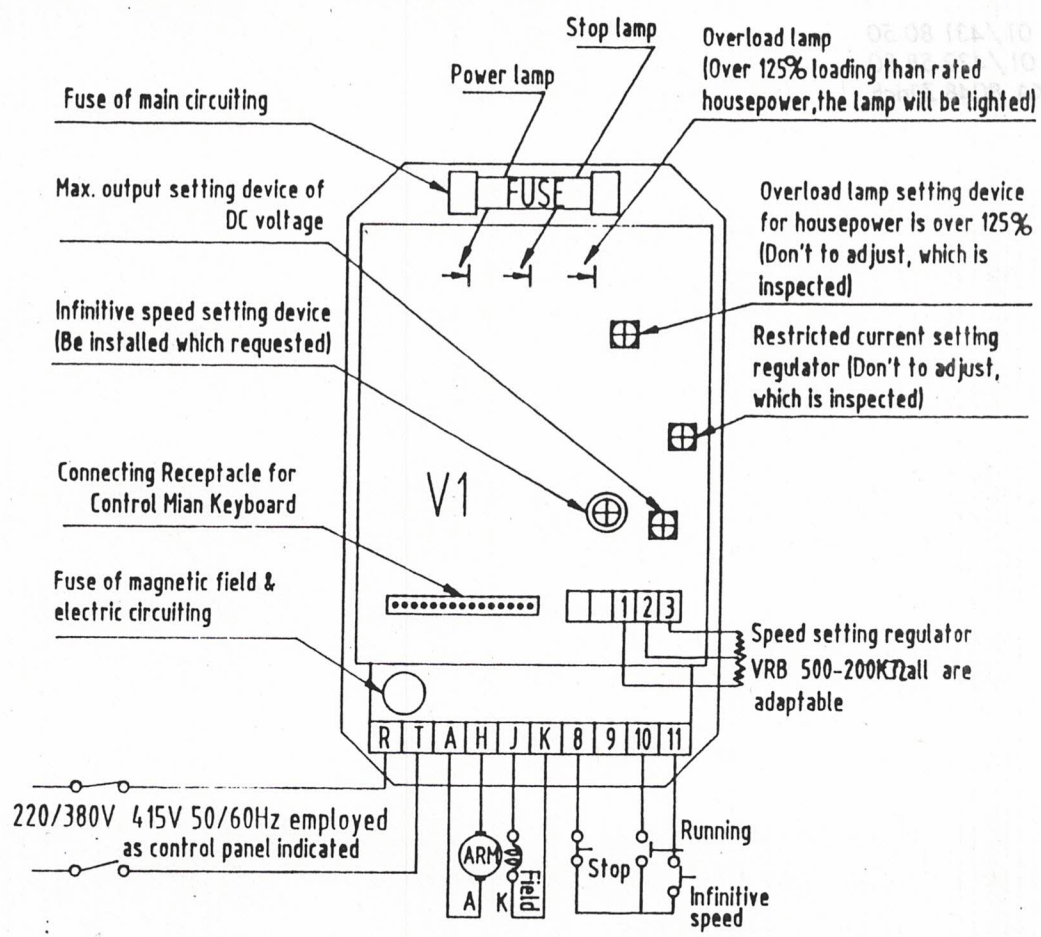


Figure 8.2

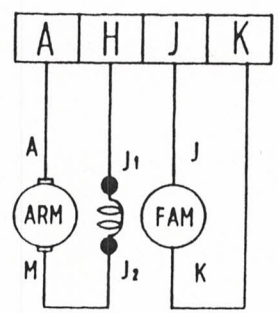
8.5 ELECTRICAL PARTS LIST

PARTS	DESCRIPTION	TECHNICAL DATA	Q.T.Y	SUPPLIER	REMARKS
M1	Induction motor 220/380V	2.2KW 4.92A 1750 rev/min	1	JIN SHIN	
M2	Induction motor 220/380V	93 W 0.18A 2850 rev/min	1	FENG TA	
M3	DC motor 200V	DC200V 0.37KW 1800 rev/min	1	HVA LI	
KM1	Spindle forward	AC24V 3A1b Ui 660V Ith 25A	1	TAIAN CN-11	IEC947-4-1 VDE 0660
KM2	Spindle reverse	AC24V 3A1b Ui 660V Ith 25A	1	CN-11	
KM3	Z Axis up	AC24V 3A1b Ui 660V Ith 25A	1	CN-11	
KM4	Z Axis down	AC24V 3A1b Ui 660V Ith 25A	1	CN-11	
KM5	Coolant pump 220/380V	AC24V 3A1b Ui 660V Ith 25A	1	CN-11	
FR1	Overload relay	4 - 6 A 5	1	RHN-18	
FR2	Overload relay	0.24 - 0.38 A 0.24	1	RHN-18	
QS1	Main switch ON/OFF	380V 32A 3P	1	KRAUS & NAIM K300/RCZ002	IEC 947 VDE 0660
FU1 FU2 FU3 FU4 FU5	aM - Fuse	Size:10 * 38 500V 10A 2A 4A 4A 3A	3 3 1 1 1	IFO ELECTRIC FERRAZ SOCOMECH	IEC 269-2
FU6	gl - Fuse	Size:10 * 38 500V 6A	1		
FU1 , FU2 FU3 , FU4 FU5 , FU6	FUSE holder	10 * 38 32A 660V	10	GOULD MSC.10	
R1	Resistor	8 ohm 50W	1	YESO 9407	
RP1	Z axis feed	20k	1	TOCOS RV30YN B203	
TC1	Transformer	800VA	1	MP - MBA	

PARTS	DESCRIPTION	TECHNICAL DATA	Q.T.Y	SUPPLIER	REMARKS
HL1	Power lamp	AC24V 1W	1	A-B 800EM-PL3 G	IEC 947 VDE 0660
HL2	Power ON lamp	AC24V 1W	1	800E-2D0	
SB1	Emergency Stop	1b AC240V 3A	1	800EM-MT4 800E-2LX01	
SB2	Power ON	1a AC240V 3A	1	800EM-LE3 G 800E-2LX10	
SB3	Spindle OFF	1b AC240V 3A	1	800EM-E3 R 800E-2LX01	
SB4	Spindle ON	1a AC240V 3A	1	800EM-E3 G 800E-2LX10	
SB5	Coolant OFF	1b AC240V 3A	1	800EM-E3 R 800E-2LX01	
SB6	Coolant ON	1a AC240V 3A	1	800EM-E3 G 800E-2LX10	
SB7	Z axis OFF	1b AC240V 3A	1	800EM-E3 R 800E-2LX01	
SB8	Z axis ON	1a AC240V 3A	1	800EM-E3 G 800E-2LX10	
SB9	Z axis Rapid	1a AC240V 3A	1	800EM-E3 G 800E-2LX10	
SA1	CW/CCW Selector	2a AC240V 3A	1	800EM-HM32 800E-2LX10	
SA2	UP/DOWN Selector	2a AC240V 3A	1	800EM-HM32 800E-2LX10	
SA3	Z axis ON/ OFF	1a AC240V 3A	1	800EM-SM22 800E-2LX10	
SQ1	UP limit switch	1ab AC250V 15A	1	TEND TM-1308	
SQ2	DOWN limit switch	1ab AC250V 15A	1	TEND TM-1308	
SQ4	Power switch	1ab AC250V 15A	1	TEND TM-1307	
KA1	Relay holder		1	OMRON PYF-08A	
KA1	Relay	AC24V 2ab 5A	1	OMRON MY2	
KA2	Relay	AC24V 2ab 5A	1	OMRON MY2	
KA3	Contactor	AC24V 3A1b 25A	1	TAIAN CN-11	IEC947-4-1



According as above terminal connecting which is clockwise connecting
 If want to change the running direction just exchange the AH connecting



The above connecting is clockwise running. If want to change the running direction
 just exchange the J1 and J2

TORQUE CONNECTING METHOD