

**VMC-650~2185**

**ELECTRIC CIRCUIT  
&  
LADDER DIAGRAM**

**FANUC 0M $\alpha$  SYSTEM**

**KAO FONG Machinery Co., Ltd.**

# CIRCUIT DIAGRAM

## NEW OPERATOR PANEL FANUC 0M $\alpha$ SYSTEM (FA-D3)

PAGE1~PAGE4:ORDER PARTS LIST

A1 :ELECTRICAL CABINET  
A2 :ELECTRICAL BOARD LAYOUT  
A3 :NC UNIT DIAGRAM  
A4 :SERVO AND POWER SUPPLY DIAGRAM  
A5 :GROUND DIAGRAM  
A6 :1/0 DIAGRAM  
A7 :PCB LAYOUT  
A8 :PCB LAYOUT  
A9:OPERATOR PANEL  
A10 : SYMBOL OF CIRCUIT  
B1 :MAIN POWER  
B2 :MAIN POWER  
B3 :POWER SUPPLY AC110V & AC24V  
B4 :POWER SUPPLY AC110V  
B5 :AC110V & MOTOR CONTACTOR  
B6 :POWER SUPPLY AC24V  
C1 :EMERGENCY STOP CONTACTOR  
D1 :RELAY CIRCUIT  
D2 :RELAY CIRCUIT  
D3 :RELAY CIRCUIT  
D4:RELAY CIRCUIT  
E1 :LIMIT SWITCH  
E2 :LIMIT SWITCH  
E3: LIMIT SWITCH  
F1 :SOLENOID VALVE  
F2 :SOLENOID VALVE  
G1 :OPERATOR PANEL PUSH-BUTTON  
G2 :OPERATOR PANEL PUSH-BUTTON  
G3 :OPERATOR PANEL PUSH-BUTTON  
G4: OPERATOR PANEL PUSH-BUTTON  
H1 :OPERATOR PANEL LAMP  
H2 :OPERATOR PANEL LAMP  
H3 :OPERATOR PANEL DISPLAY  
I 1 :OPERATOR PANEL HAND BOX  
I 2 :OPERATOR PANEL FEEDRATE %  
I 3 :OPERATOR PANEL RAPID & SP. SPEED  
I 4 :OPERATOR PANEL MODE SELECT  
K1 :M01 I/0 CABLE  
K2 :M02 I/0 CABLE  
K3 :M12 MPG CABLE  
K4 :M18 I/0 CABLE  
K5 :M19 I/0 CABLE  
K6 :M20 I/0 CABLE  
K7 :OP3 I/0 CABLE  
K8 :OP4 I/0 CABLE  
K9 :K5 CABLE  
K10:K8 CABLE  
K11:K14 CABLE  
K12:K22 CABLE  
K13:K23 CABLE  
K14:K33 CABLE  
K15:K16 CABLE  
K16:K15 CABLE (REFERENCE SWITCH)  
L1 :KEEP RELAY LIST  
L2 :KEEP RELAY LIST  
L3 :KEEP RELAY LIST  
M1:TIMER LIST  
N1:MAGAZINE TOOL CAPACITY  
O1 :M CODE LIST  
P1 :ALARM LIST

# LADDER DIAGRAM

## FANUC 0M $\alpha$ SYSTEM (2C)

1. TITLE DATA LIST.....P.1
2. SYMBOL & COMMENT LIST.....P.1 ~ 13
3. LADDER.....P.1 ~ 59
4. SUPPLEMENT FOR LADDER DIAGRAM.....P.1 ~ 3