



MANUAL GUIDE i

OPERATOR'S MANUAL

YCM-V Series (FANUC Series)

YEONG CHIN MACHINERY INDUSTRIES CO., LTD.

HEADQUARTERS : 888, HOMU RD., HSINCHUANG

SHENKANG, TAICHUNG, TAIWAN

TEL : 886-4-25623211 FAX : 886-4-25626479 886-4-25628399

SERVICE TEL : 886-4-25612965 FAX : 886-4-25612966

E-mail : sales@YCMCNC.com

Web site : <http://www.YCMCNC.com>

ENDEAVORING TO CONFORM THE ISO 14001 ENVIRONMENTAL PROTECTION POLICIES;
IN PURSUIT OF EXCELLENCE; ALWAYS IMPROVING AND REFINING.

MANUAL GUIDE i OPERATOR'S MANUAL

MODEL : FV102A (FANUC Series)

**OPMCP03E
R002**



Content

PART A MANUAL GUIDE *i* (Milling)

CHAPTER 1	MANUAL GUIDE <i>i</i> DISPLAY OPERATION	2
1.1	The MANUAL GUIDE <i>i</i> System	3
1.2	Explain the MANUAL GUIDE <i>i</i> Main Screen.....	4
CHAPTER 2	PROGRAM SYSTEM	7
2.1	Set Up Program Basic Format System	8
2.2	Create The Program Basic Form	8
2.3	Program Basic Form.....	12
CHAPTER 3	SETUP THE TOOL DATA	14
3.1	Set The Workpiece Coordinate Data	15
3.2	Set Tool Offset Data	18
3.3	Describe The Tool Data	19
3.4	The Setup Of Tool Function Type	20
3.4.1	Drill.....	20
3.4.2	Chamfering tool	22
3.4.3	Flat end mill tool	24
3.4.4	Ball end mill tool	26
3.4.5	Tap tool	28
3.4.6	Reamer tool	30
3.4.7	Boring tool.....	32
3.4.8	Face mill tool	34
CHAPTER 4	EXAMPLE.....	36
4.1	Setup The Condition.....	37
4.2	Edit The Program.....	47
4.3	Machining Simulation(Amimated).....	128
4.4	Program Example	129
CHAPTER 5	OPERATIONS IN MACHINING SIMULATION	134
5.1	Machining Simulation(Amimated).....	135
5.2	Scaling, Movement and Other Operations in Drawing during Machining	137
CHAPTER 6	MANUAL GUIDE <i>i</i> G- CODE FUNCTIONS	142

PART B MANUAL GUIDE *i* (Lathe)

CHAPTER 1 MANUAL GUIDE <i>i</i> DISPLAY OPERATION	155
1.1 The MANUAL GUIDE <i>i</i> System	156
1.2 Explain the MANUAL GUIDE <i>i</i> Main Screen	157
CHAPTER 2 PROGRAM SYSTEM	160
2.1 Set Up Program Basic Format System	161
2.2 Create The Program Basic Form	161
2.3 Program Basic Form.....	165
CHAPTER 3 SETUP THE TOOL DATA	167
3.1 Set The Workpiece Coordinate Data	168
3.2 Set Tool Offset Data	171
3.3 Describe The Tool Data.....	173
3.4 The Setup Of Tool Function Type	174
3.4.1 General tool	174
3.4.2 Threading tool	176
3.4.3 Grooving tool	178
3.4.4 Button turning tool	180
3.4.5 Straight tool	182
3.4.6 Drill	184
3.4.7 Chamfering tool.....	186
3.4.8 Flat end mill tool	188
3.4.9 Ball end mill tool.....	190
3.4.10 Tap tool.....	192
3.4.11 Reamer tool	194
3.4.12 Boring tool.....	196
3.4.13 Face mill tool.....	198
CHAPTER 4 EXAMPLE.....	200
4.1 Example (1)	201
4.1.1 Setup The Condition.....	201
4.1.2 Edit The Program	211
4.1.3 Machining Simulation(Amimated).....	239
4.1.4 Program Example (1)	241

Table of Contents

4.2 Example (2)	243
4.2.1 Setup The Condition	243
4.2.2 Edit The Program.....	252
4.2.3 Machining Simulation(Amimated).....	281
4.2.4 Program Example (2).....	283
CHAPTER 5 OPERATIONS IN MACHINING SIMULATION	285
5.1 Machining Simulation(Amimated).....	286
5.2 Scaling, Movement and Other Operations in Drawing during Machining	288
CHAPTER 6 MANUAL GUIDE i G CODE FUNCTIONS.....	293