

小型マシニングセンタ用CNC

CNC for Small Machining Centers

FANUC Series 20-MA



The FANUC Series 20-MA is the CNC best fit for small machining centers.

- 2 slots compact controller controls four servo motors and one spindle motor.
- Provides many machining center functions such as canned cycles, rigid tapping, helical interpolation, scaling and tool compensation.
- Can be customized for use with individual machines by using the built-in PMC and macro executor.
- Built-in I/O with source type DO conforms to INTERNATIONAL ELECTROTECHNICAL COMMISSION (IEC).
- PCMCIA memory card interface is standard. Data saving and loading are executed easily. Provides an improved maintenance environment with an operation history, alarm history and memory cards.

Specifications

: Basic : Option ★ : Basic option

Items		Specifications	
Controlled axis		3 axes (X, Y, Z)	○
Controlled axis expansion		4 axes (total)	☆
Simultaneously controlled axis		2 axes	○
Simultaneously controlled axis expansion		4 axes (total)	☆
Axis control by PMC			☆
Least input increment		0.001mm, 0.0001inch	○
Interpolation		Linear, Circular	○
Helical interpolation			☆
Single direction positioning			☆
Rigit tapping			☆
Part program storage length	10m		○
	20m / 40m / 80m / 160m		☆
Number of registered programs		63 pcs.	○
Spindle control	Analog interface spindle		☆
	FANUC AC SPINDLE α series interface		☆
Tool length compensation			○
Tool offset memory		± 6 digit, 32 pcs.	○
Cutter compensation C			☆
Canned cycles			☆
Scaling			☆
Coordinate system rotation			☆
Unexpected disturbance detection			☆
Alarm history display			○
Operation history display			○
Memory card interface		PCMCIA standard	○
PMC	PMC-RA1	Max. 5,000 steps. Basic instruction 5.0 μ s/step	★
	PMC-RA3	Max. 12,000 steps. Basic instruction 1.5 μ s/step	★
I/O	Built-in I/O-C	DI/DO for machine operator's panel : 64/32 points for machine tool : 48/48 points (Source type DO)	★
	Built-in I/O-D	DI/DO : 96/72 points (Source type DO)	★
	I/O Unit-MODEL A	DI/DO : Max. 1024/1024 points	☆
Macro executer			☆
Servo motor		FANUC AC SERVO MOTOR α series	★
Control unit dimensions		142(W) \times 380(H) \times 172(D) mm	○
Input power supply		24V DC \pm 10%	○



GE Fanuc Automation