

Hartford-F1

CNC Vertical Machining Center

HARTROL-FANUC AI 100 FUNCTIONS / FEATURES

- 1 TITLE SCREEN
- 2 WORKPIECE CALIBRATION (MANUALLY)
- 3 POCKET TYPE CALCULATOR
- 4 SCIENTIFIC CALCULATOR
- 5 SPINDLE LOAD MONITOR
- 6 SPINDLE LOAD RECORDER
- 7 HIGH SPEED HIGH ACCURACY PARAMETER SCREEN
- 8 BAKSLASH PARAMETER SETTING SCREEN
- 9 TOOL MAGAZINE DISPLAY
- 10 M CODE DISPLAY
- 11 PLC BIT SETTING SCREEN
- 12 TOOL TABLE
- 13 NEW HARDWARE OPTION PARAMETER DISPLAY
- 14 PLC TIMER DISPLAY
- 15 PLC TROUBLESHOOTING
- 16 TOOL OFF SET



MACHINE SPECIFICATIONS

LG-1000AP

TABLE

Δ Working surface	mm	1,150 x 510
Δ T slot (size x number x pitch)	mm	18 x 3 x 160
Δ Max. table load	KG	700

TRAVEL

Δ Longitudinal travel (X-axis)	mm	1000
Δ Cross travel (Y-axis)	mm	510
Δ Vertical travel (Z-axis)	mm	630
Δ Distance from spindle to table	mm	100~730
Δ Distance from spindle center to column		562.5

SPINDLE

Δ Spindle nose taper		#40
Δ Spindle speed (pulley)	rpm	40~8,000

FEED RATE

Δ Cutting feedrate (X, Y, Z-axis)	mm/min	1~10,000
Δ Rapid traverse rate (X, Y-axis)	mm/min	30,000
Δ Rapid traverse rate (Z-axis)	mm/min	24,000

ATC

Δ	Tool storage	pcs	24
Δ	Tool change type		Random
Δ	Max. tool weight kgs	KG	6
Δ	Max. tool size (dia. x length)	mm	75 x 250
Δ	Tool shank		BT-40
Δ	Pull stud bolt		P40T-1
Δ	Motor	kW	11

OTHERS

Δ	Positioning / 300mm	mm	±0.006
Δ	Repeatability	mm	±0.005
Δ	Required air pressure	kg / cm ²	6.5
Δ	Electric power requiremet	KVA	20
Δ	Machine weight (APPROX)	KG	4,800

ACCESSRIES AVAILABLE WITH MACHINE

- Δ FANUC 0i-MD-PB Controller
- Δ Full splash guard
- Δ Automatic lubrication system
- Δ Work lamp
- Δ Air blast through spindle
- Δ Leveling bolts and blocks
- Δ Automatic power off
- Δ Operation finish lamp
- Δ Operation manual and electric drawing equipment
- Δ Coolant tank
- Δ #40 8,000 rpm pulley head
- Δ Coolant jets around spindle
- Δ **Z-Axis Anti Drop Prevention**
- Δ **AI CC2 (look ahead 200 blocks)**
- Δ **Transformer : 380V, 50Hz**
- Δ **AVR**
- Δ **M50 TABLE SIDE AIR BLOW**
- Δ **RAPID TOOL CHANGE FUNCTION**
- Δ **Warranty : One year for Machine and Controller.**

- Δ **Accessries for Operation**
 - Clamping Kit**
 - Touchprobe**
 - Tool holders BT40/ER32**
 - Z-Zero Setter**
 - Toolholder Locking Device**
 - Digital Vernier Caliper**

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