

# WV Series

WV108A-B

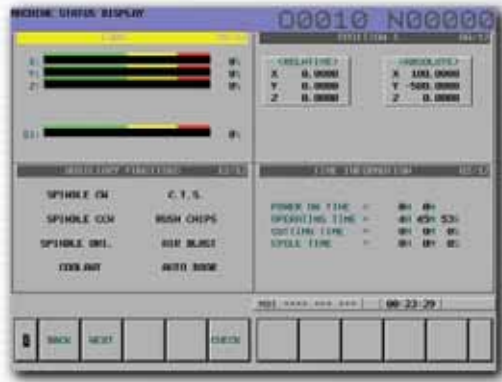
Ultra Wide HIGH RIGIDITY VERTICAL MACHINING CENTER





# *i* OPERATION *Plus*

Software Enhancement Exclusively from YCM



## Multi-function Display

Easily select multiple windows from the following list of display for your monitoring needs.

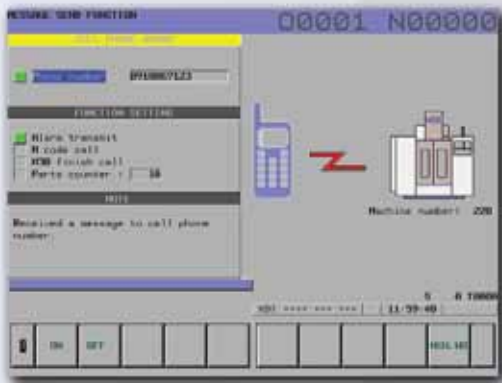
- G-Modal Status
- Tool Data
- Date and Time
- M-Code Status
- Work Coordination
- Controller Running Hours
- Spindle Status
- Parts Count
- Spindle Load
- Feed Rate
- Machining Hours
- Function Display



## High Speed Machining Mode (M400)

Artificially intelligent machining function that is developed from accumulation of all YCM knowledge and experience on high speed die mold machining to achieve the fastest cycle time with best machining results. Machining efficiency improved by 25+% without sacrificing machining accuracy.

Efficiency Increased by: **+25%**



## Wireless Message Notification (Optional)

Integrating GSM communication and CNC technology, YCM developed the WMN system for wireless notification of machine and work status report.



## SPECIFICATIONS

### SPINDLE

		WV108A	WV108B
Spindle Speed [optional]	rpm	60~12,000 [15,000]	60~10,000 [6,000]
Spindle Power [optional]		7.5 / 11 / 15kW (10 / 15 / 20HP)	15 / 18.5 / 22kW (20 / 25 / 30HP) [15/18.5kW 20/25HP]
Spindle Taper		BBT40	BT50

### TRAVEL

X Axis Travel	1120mm (44.09")
Y Axis Travel	762mm (30.00")
Z Axis Travel	700mm (27.56")
Distance Between Spindle Nose & Table Top	150~850mm (5.91"~3.46") 200~900mm (7.87"~35.43")

### TABLE

Table Size	1300x820mm (51.18"x32.28")
No. T-Slots x Size x Pitch	5x22mmx150mm (5x0.87"x5.91")
Max. Load on Table	1,200kg (2,645.5lb)

### FEED

Rapid Feed Rate X/Y/Z	24 / 24 / 18m/min (945 / 945 / 709ipm)
Cutting Feed Rate	1~10,000mm/min (0.04~394ipm)
Rated Axial Thrust Force X/Y/Z	1056 / 1056 / 1442kgf (2328 / 2328 / 3179lb)
Max. Axial Thrust Force X/Y/Z	2592 / 2592 / 5184kgf (5714 / 5714 / 11,429lb)

### ATC

Tool Magazine Capacity [optional]	24T	24T [32T]
Max. Tool Weight [optional]	6kg (13.2lb)	15kg (33.1lb) [20kg 44.1lb]
Max. Tool Dimensions [optional]	ø90x300mm (ø3.54x11.81")	ø110x350mm (ø4.33x13.78") [ø120x350mm ø4.72x13.78"]
Max. Tool Diameter (w/out adjacent tools) [opt.]	ø125mm (ø4.92")	ø190mm (ø7.48") [ø240mm ø9.45"]
Tool Changer Method	Arm Type	
Tool Selection Method	Random	

### GENERAL

Pneumatic Supplier	5.5kg/cm <sup>2</sup> (78.2psi)	
Power Consumption / Transformer	33 / 40kVA	53 / 65kVA
Machine Weight	11,000kg (24,251lb)	13,000kg (28,660lb)

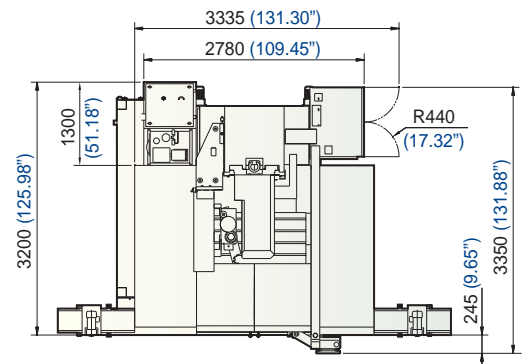
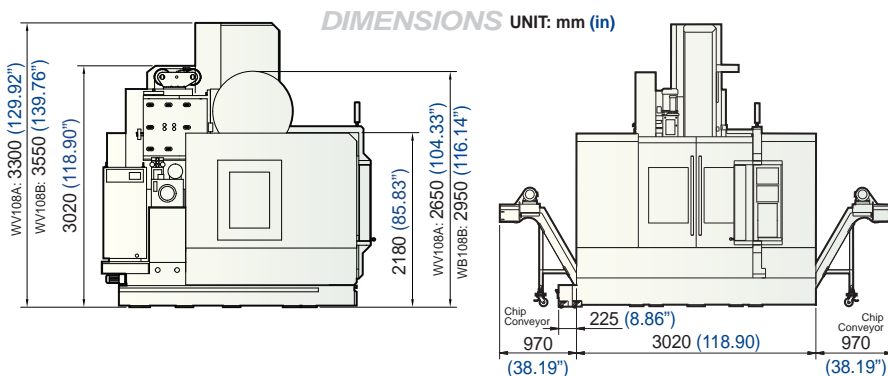
**Note:** The manufacturer reserves the right to modify the design, specifications, mechanisms,...etc. to improve the performance of the machine without notice. All the specifications shown above are just for reference.

## STANDARD ACCESSORIES

- Tool Kit
- Work Lamp
- Pilot Lamp
- Coolant Equipment System
- Hydraulic System (WV108B)
- Spindle Air Blast
- Spindle Air Seal
- Guideway Cover on X,Y,Z
- Central Lubrication System
- Spindle Cooling System
- Leveling Blocks
- Chip Enclosure
- Dual Chip Auger (two sides of Y-axis)
- Cutting Air Blast
- Air Gun
- Coolant Gun
- Heat Exchanger for Electrical Cabinet
- Rigid Tapping
- Mechanical, Electrical & Operation Manuals
- YCM MXP-200i Control by FANUC

## OPTIONAL ACCESSORIES

- Safety Door
- Optical Scale
- Foundation Bolt
- Chip Conveyor
- Chips Flush Coolant Device
- Oil-Mist Coolant System
- Oil Hole Holder
- Oil Skimmer
- A/C Cooler for Electrical Cabinet
- Work Piece Measurement System (RENISHAW OMP-60)
- Auto Tool Length Measurement System (METROL-T24E-04-08, RENISHAW-TS27R)
- Coolant Through Spindle System (Form A)
- 4th Axis Rotary Table
- Heavy Duty Coolant Pump (MTH 2-40)
- Spindle Gear Box (WV108B)
- Heidenhain iTNC-530 Control



ISO14001 CERTIFIED MANUFACTURE

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