

DUO HEAD *SERIES*

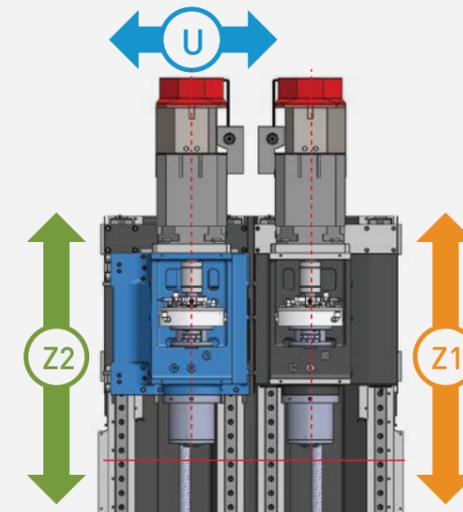
DUO HEAD TYPE VERTICAL MACHINING CENTER

*The best productivity and
innovation out of its class*

DUO HEAD SERIES DUO HEAD TYPE VERTICAL MACHINING CENTER

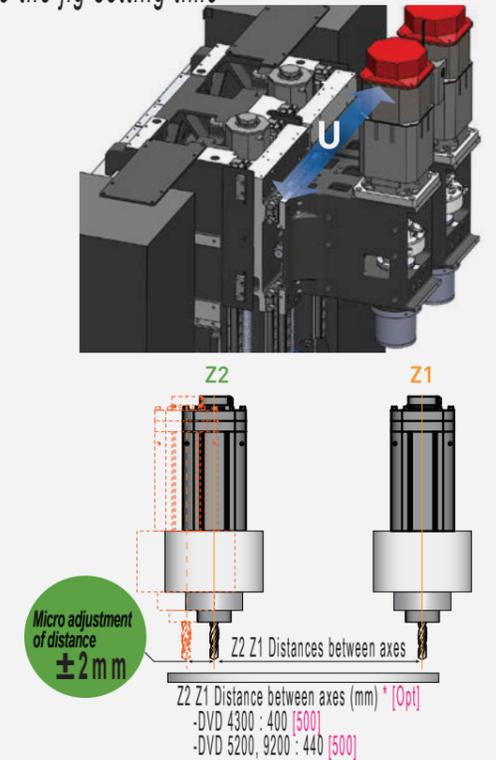
Hyper productivity with 2-HEAD and 2-ATC

- > Productivity base on simultaneous machining
- > Reduce 25% total investment cost compared to standard 1-headed machine
- > Minimize personnel expenses and plant operation costs
- > Under the same machining process conditions
 - At least 2 times better productivity the equivalent
 - Up to 40% space saving aspect of footprint



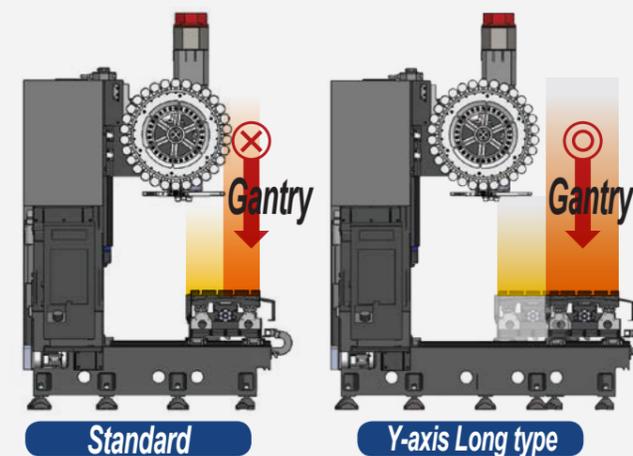
High Precision and High Reliability with U axis Micro adjustment of distance

- > Z1, Z2 Independent structure allows individual tool offset
- > Micro adjustment of distance between main axes save the jig setting time



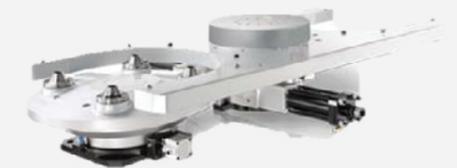
Alternative long Y axis option for automation

- > Y-axis STROKE expansion
- > Sufficient space to equip various automation systems



Unique APC structure of table moving method by DMC

- Minimizing Loading / Unloading Time
- Exclusion of existing column moving method, maximization of rigidity
- > Maximize productivity by reducing set-up time
- > Accomplish various automations with external cleaning device on APC



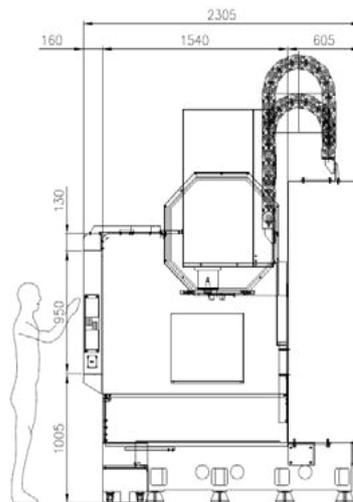
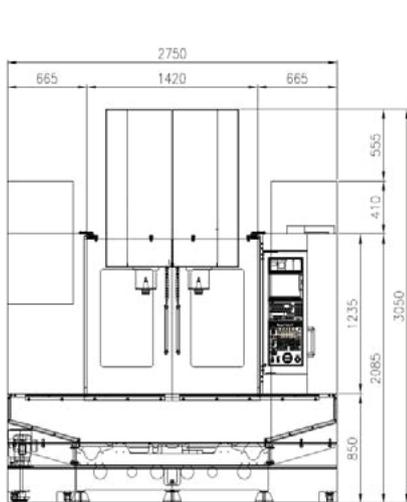
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Features

[] Option

ITEM			FFG-DMC		
			DVD 4300	DVD 5200	DVD 5200L
Travel	X / Y / Z1, Z2 axis	mm	720 / 430 / 360	1040 / 520 / 600	1040 / 920 / 600
	U-axis/W-axis	mm	± 2 mm /	± 2 mm / -	± 2 mm / -
	Distance Of Table To Spindle Nose	mm	150-510	150-750	150-750
	Distance between Z2 and Z1 axis	mm	400[500]	440[500]	440[500]
Table	Table Dimension	mm	1040 x 430	1200 x 520	1200 x 520
	Max. Loading Weight	kgf	400	800	800
	Dimension Of T-Slots	mm	14H8 x p120 x 3ea	18H8 x p125 x 4ea	18H8 x p125 x 4ea
Spindle	Max. Spindle Speed	min ⁻¹	12,000	12,000	12,000
	Max. Spindle Torque	N·m	36.4[15min][49.7[15min]]	118 (15min)	118 (15min)
	Spindle Front Bearing Inner Diameter	mm	Ø50	Ø70	Ø70
Rapid Traverse	Rapid Traverse X/Y/Z axis	m/min	60/60/60	40/40/40	40/40/40
Guide way type			Roller GUIDE	Roller GUIDE	Roller GUIDE
ATC/MG	Type Of Tool Shank	-	BBT30	BBT40	BBT40
	Tool change time(T-T)	Sec	0.8	1.6	1.6
	No. Of Tools	Ea	2-24	2-30	2-30
	Max. Tool Diameter (without adjacent tools)	Mm	ø65 (ø125)	ø80 (ø160)	ø80 (ø160)
	Max. Tool Length/Weight	mm/kgf	200/3	300/8	300/8
Motor	Spindle Motor (Cont./30min/S3 25%)	kW	3.7/5.5/7.5[5.5/7.5/11]	11/15/18.5	11/15/18.5
	Servo Motor (X/U/Y/Z1, Z2)	kW	3/0.5/3/4,4	3/0.75/4/4,4	3/0.75/4/4,4
Power	Power Capacity	kVA	20	65	25
Machine Dimension	Floor Dimension (LxWxH)	mm	2,250 / 2,310 / 2,750	2,305 / 2,750 / 3,470	2,905 / 2,750 / 3,470
Machine Weight	Machine Weight	kgf	5,000	8,700	9,200
CNC Controller			FANUC 0 i MITSUBISHI M80VA	FANUC 0 i MITSUBISHI M80VA	FANUC 0 i MITSUBISHI M80VA

* Design and specification can be subject to change without notice.



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