Technical Specification

Five-axis linkage machining center

	Name	Unit	VMU6800
Processing Area	X/Y/Z travel	mm	680/650/600
	A/C travel	deg	+-120/360 (∞)
Feed System	X/Y/Z rapid displacement	m/min	36/36/36
	Cutting feed rate	m/min	20
	A/C axis fast forward speed	rpm	20/80
Spindle（standard）	Maximum spindle speed / tapered shank	rpm/handle	12000/HSK-A36
	Spindle power	kw	15
	Spindle torque	N.m	95.5
Positioning accuracy ISO 10791-4:1998	X/Y/Z	mm	0.01/0.01/0.009
	A/C	ARCSEC	8/8
repositioning accuracy ISO 10791-4:1998	X/Y/Z	mm	0.007/0.007/0.006
	A/C	ARCSEC	5/5
Automatic tool change system	Number of tools	PCS	30T
	Tool change time (knife-knife)	sec	2.5
	Max. tool length	mm	300
	Maximum tool diameter/adjacent no tool	mm	⌀ 80/⌀ 120
	Max. tool weight	kg	8

Technical specification

	Name	Unit	VMU6800
Worktable	Spindle nose to table surface	mm	200-800
	Worktable size/maximum load capacity	Mm/KG	⌀ 500/300
	Automated fixture tooling interface		Standard
Machine size	Floor area (length* width)	㎡	4000x2600
	Height	mm	3000
	Net weight	T	9
	electric demand	kw	45

No.	Host standard configuration	
1	System	Fanuc 0i-MF
2	Sheet metal	Capped full enclosure type body sheet metal (including water tank)
3	Spindle	HSK-A63/12000RPM Electric spindle
4	A/C cradle turnable	A-axis gear rotation structure (imported DIN5 grade grinding gear) C-axis: DD turntable motor direct drive (YRT bearing)
5	Spindle cooler	Water cooler (China)
6	Tool setter	Marposs Contact
7	3-axis linear encoder	Heidenhain
8	AC axis circular grating	Heidenhain
9	Tool magazine	30T tool magazine
10	Chip removal system	Scraper Type Chip Conveyor
11	Z-axis balance system	Air pressure balance system (SMC,Japan)
12	Electric box constant temperature system	Air-conditioned (Tongfei)
13	Pneumatic system	SMC,Japan
14	Hydraulic station	Taiwan 7OCEAN
15	Automatic lubrication device	Grease type (Liubian , China)
16	Processing area cleaning	Air guns, water guns for cleaning
17	Working lamp	LED lights
18	Worning light	Tri-color warning light
19	Toolbox and anchor screws	Toolbox and anchor screws
20	System	(with 3D probe) Renishaw

AFMING

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Options

No.	Name	Specification brand
1	Siemens System	840D
2	Spindle center outlet	30bar/50bar/70bar
3	Tool setter	Blum Laser / Renishaw Laser
4	Tool magazine	HSKA63-30T/40T
5	Oil mist collector	QS-750 (including automatic ceiling) (Qiushan Machinery)
6	Electric spindle	Kessler HSKA63-15000rpm/20000rpm
7	security door lock	