Technical Specification

Five-axis linkage machining center

	Name	Unit	VMU900
Processing Area	X/Y/Z travel	mm	900/1050/600
	A/C travel	deg	+-120/360 (∞)
Feed System	X/Y/Z rapid displacement	m/min	40/40/40
	Cutting feed rate	m/min	20
	A/C axis fast forward speed	rpm	20/30
Spindle (standard)	Maximum spindle speed / tapered shank	rpm/handle	12000/HSK-A36
	Spindle power	kw	38
	Spindle torque	N.m	182
Positioning accuracy ISO 10791-4:1998	X/Y/Z	mm	0.008/0.008/0.007
	A/C	ARCSEC	8/8
repositioning accuracy ISO 10791-4:1998	X/Y/Z	mm	0.005/0.005/0.004
	A/C	ARCSEC	5/5
Automatic tool change system	Number of tools	PCS	26T
	Tool change time (knife-knife)	sec	12
	Max. tool length	mm	300
	Maximum tool diameter/adjacent no tool	mm	⌀ 80/⌀ 120
	Max. tool weight	kg	8

Technical specification

	Name	Unit	VMU900
Worktable	Spindle nose to table surface	mm	180-780
	Worktable size/maximum load capacity	Mm/KG	Φ800/800
	Automated fixture tooling interface		Standard
Machine size	Floor area (length* width)	㎡	4800x3900
	Height	mm	3500
	Net weight	kg	17000
	electric demand	kw	60

No.	Host standard configuration	
1	System	Heidenhain TNC 640
2	sheet metal	Full-circle uncapped fuselage sheet metal
3	Spindle	HSKA63-12000RPM Electric Spindle
4	A/C Turntable	Precision Gear Transmission
5	Spindle cooler	Water Cooler
6	Three-axis linear encoder	Heidenhain
7	AC axis circular grating	Heidenhain
8	Tool setter	Marposs Contact
9	Tool magazine	HSK-A63-26T tool magazine
10	Chip removal system	Scraper type chip conveyor
11	slideway	X-axis 45 roller guides, Y-axis 45 roller guides, Z-axis 45 guides (brand CSK)
12	screw	X-axis R40x20, Y-axis R50x20, Z-axis R40x20 (brand PMI)
13	Z axis balance system	Air pressure balance system (Japan SMC)
14	Electric box thermostatic system	Air conditioner constant temperature (Tongfei)
15	Pneumatic system	SMC , Japan
16	Hydraulic station	Taiwan 7oceans
17	Automatic lubrication device	Liubian, Zhejiang
18	Processing area cleaning	Air guns, water guns for cleaning
19	working lamp	LED lights
20	Warning Light	Tri-color warning light
21	Toolbox and anchor screws	Toolbox and anchor screws
22	Five-axis center correction package	(with 3D probe) Heidenhain

AFMING

Five-axis linkage machining center

Options

No.	Name	Specification brand
1	Siemens System	840D
2	Five-axis calibration package	(including 3D probe) Renishaw
3	Spindle center outlet	30bar/50bar
4	Tool setter	Blum Laser
5	Tool magazine	HSKA63-30T/40T
6	Oil mist collector	QS-750（Qiushan Machinery）
7	Roller Chip Conveyor	