Technical specification

Five-axis linkage machining center

	Name	Unit	GMU750
Processing Area	X/Y/Z travel	mm	750/1150/550 (Y-axis stroke includes tool change stroke)
	A/C travel	deg	±120/360（∞）
Feed System	X/Y/Z rapid displacement	m/min	36/36/30
	Cutting feed rate	m/min	20
	A/C axis fast forward speed	rpm	20/30
Spindle（standard）	Maximum spindle speed / tapered shank	rpm	20000/HSK-A63
	Spindle power（S1/S6-40%）	kw	11/26
	Spindle torque（S1/S6-40%）	N.m	45.7/80
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	24T
	Tool change time (knife-knife)	sec	1.8
	Max. tool length	mm	300
	Maximum tool diameter/adjacent no tool	mm	⌀ 80/⌀ 120
	Max. tool weight	kg	8

Technical specification

	Name	Unit	GMU750
Worktable	Spindle nose to table surface	mm	130-680
	Worktable size/maximum load capacity	Mm/KG	⌀ 630/500
	Automated fixture tooling interface		
Machine size	Floor area (length* width)	㎜²	4200X3200
	Height	mm	4000
	Net weight	kg	16000
	Spindle nose to table surface	kw	60
Market analysis	Brand awareness		Top three domestic brands

No.	Host standard configuration	
1	System	Heidenhain TNC 640
2	Sheet metal	Capped full enclosure type body sheet metal (including water tank)
3	Spindle	HSK-A63/20000RPM 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	24T tool magazine
10	Chip removal system	Scraper Type Chip Conveyor
11	sildeway	X-axis 45 roller guides, Y-axis 45 roller guides, Z-axis 45 roller guides (brand CSK)
12	screw	X axis R50x12, Y axis R50x12, Z axis R50x16 (brand PMI)
13	Z-axis balance system	Air pressure balance system (SMC,Japan)
14	Electric box constant temperature system	Air-conditioned (Tongfei)
15	Pneumatic system	SMC,Japan
16	Hydraulic station	Taiwan 7OCEAN
17	Automatic lubrication device	Grease type (Liubian , China)
18	Processing area cleaning	Air guns, water guns for cleaning
19	Working lamp	LED lights
20	Worning light	Tri-color warning light
21	Toolbox and anchor screws	Toolbox and anchor screws
22	System	(with 3D probe) Heidenhain

AFMING

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Options

No.	Name	Specification brand
1	Siemens System	840D
2	Five-axis calibration package	(including 3D probe) Renishaw
3	Spindle center outlet	30bar/50bar/70bar
4	Tool setter	Blum Laser / Renishaw Laser
5	Tool magazine	HSKA63-30T/40T/60T
6	Oil mist collector	QS-750 (including automatic ceiling) (Qiushan Machinery)
7	Electric spindle	Kessler HSKA63-15000rpm/20000rpm
8	security door lock	