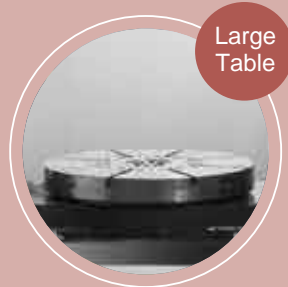


-Five Axis Machining Center



Large Table



Strong Spindle



Flexible Control

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GFM500UG Mechanical specifications

Description	Unit	Parameter
●行程 TRAVEL		
X TRAVEL	mm	520
Y TRAVEL	mm	520
Z TRAVEL	mm	485
A axis rotation angle	mm	±120°
C axis rotation angle	mm	360°
Distance from spindle nose to work surface	mm	115-600(Horizontal)
●工作台 WORKTABLE		
Table size (X x Y)	mm	Ø 520
T slot size(W*slot*space)	mm	14H9*8*45 Degree Equalization
Table max load	kg	350
●主轴 SPINDLE		
Motor(continuous/30min)	kW	20/30
Speed	rpm	10-20000
Inner taper hole		HSK A63
●五轴 FIVE-AXIS		
X/Y/Z/A/C axis motor	kW	3.9/5.9/3.9/6.3/6.3
●进给率 FEEDRATE		
Fast feedrate(X/Y/Z)	mm/min	36000/36000/36000
A/C axis max speed	rpm	100/100
Fasr cutting feedrate	mm/min	1-10000
●换刀系统 TOOL CHANGING SYSTEM		
Tool magazine capacity	set	24*/30*/32*
Tool magazine form		Tool arm type
Retention knob		HSK
Max tool diameter of adjacent knives	mm	Ø75
Max tool diameter of empty adjacent tool	mm	Ø120
Max tool length	mm	250
Max tool weight	kg	8
●机床精度 MACHINE ACCURACY		
Three-axis laser positioning accuracy		
Positioning accuracy	mm	±0.005
Repositioning accuracy	mm	±0.003
●系统 SYSTEM		
controller		SYNTEC 220 MA-5*
●油气压系统 OIL-GAS PRESSURE SYSTEM		
Water tank capacity	liter	200
Air pressure requirement	kg/cm ²	6
●电力 ELECTRIC		
Power specification		AC380±10%, 3P , 50Hz
Power Source	kVA	50
●其它 OTHER		
Floor area(X x Y)	mm	4400×4100
Machine size(XxYxZ)	mm	2580×3200×3000
Weight	T	10.5 (Approx)

GFM800UG Mechanical specifications

DESCRIPTION	UNIT	GFM800UG
●TRAVEL		
X Travel	mm	850
Y Travel	mm	950(Y-axis travel includes tool change travel)
Z Travel	mm	550
A axis rotation Angle	mm	±120°
C axis rotation Angle	mm	360°
Distance from spindle nose to surface	mm	180-730(horizontal)
●WORKTABLE		
Table size (X*Y)	mm	Ø 800
T slot size (w * slot * spacing)	mm	18H8*16*22.5Equipartition
Maximum load of table	KG	1200
●SPINDLE		
Spindle motor (continuous /30 min)	kw	30
Spindle speed	rpm	10-18000
Spindle inner cone hole		HSK A63
●FIVE AXIS		
X/Y/Z/A/C axis motor	kw	6/9.6/7.2/13.61/3.5
●FEEDRATE		
Fast feed rate (X/Y/Z)	mm/min	40000/40000/40000
Maximum speed of A/C axis	rpm	40/40
Fastest cutting feed rate	mm/min	1-10000
●TOOL CHANGING SYSTEM(OP)		
Tool magazine capacity (st/op)	set	30
Tool magazine form		Flat knife library
Retention knob		(N/A)
Max tool dia of adjacent knives	mm	Ø78
Max tool dia of empty adjacent tool	mm	Ø120
Max tool length	mm	300
Max tool weight	kg	8
●ACCURACY		
3-axis laser positioning accuracy (VDI3441 measurement method)		
Positioning accuracy	mm	N/A
Repositioning resolution	mm	N/A
●SYSTEM		
Controller		Heidenhain TNC640
●OIL-AIR PRESSURE SYSTEM		
Water tank capacity	liter	240
Barometric pressure demand	kg/cm ²	6
●POWER		
Power specification		AC380±10%, 3 P, 50Hz
Power source	KVA	60
●OTHER		
Floor area (X*Y)	mm	4400*5300
Machine size (X*Y*Z)	mm	2810*4350*3650
Weight	T	15 (Approx)