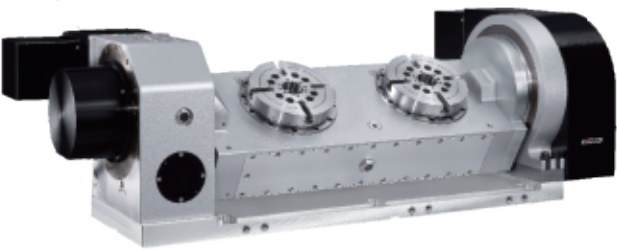
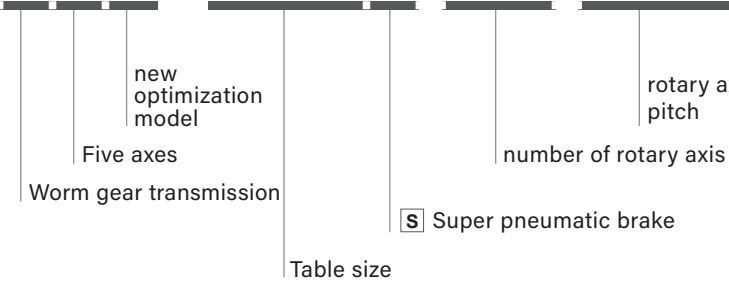


Multi Spindle
Tilting Rotary Table

G F A - 1 7 0 S - 2 W - 3 0 0



Worktable diameter Ø125, Ø170
Multiple rotary axis allow high volume production and automation integration.

SPECIFICATIONS

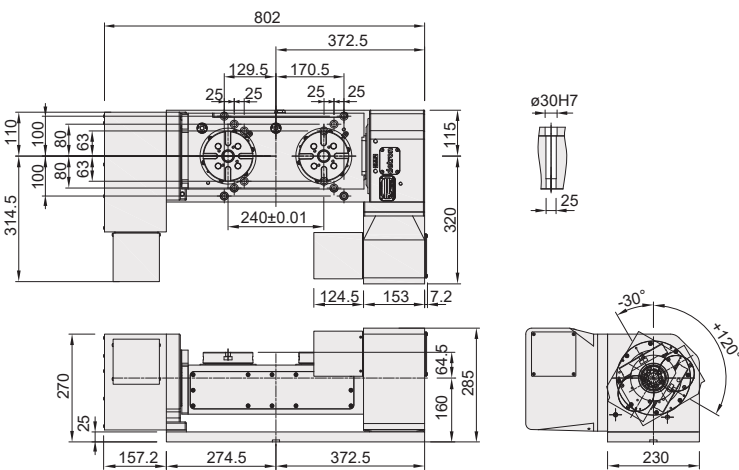
MODEL		Unit	GFA-125S-2W-240		GFA-170S-2W-300	
Worktable diameter		mm / inch	Ø125 / Ø4.92		Ø170 / Ø6.69	
Center bore diameter		mm / inch	Ø30H7 / Ø1.18H7		Ø40H7 / Ø1.57H7	
Pitch of rotary axis		mm / inch	240 / 9.45		300 / 11.81	
Max. work swing		mm / inch	195 / 7.68		285 / 11.22	
Height of table (horizontal)		mm / inch	224.5 / 8.84		250 / 9.84	
Height of center (vertical)		mm / inch	160 / 6.30		220 / 8.66	
Width of T-slot		mm / inch	12H7 / 0.47H7		12H7 / 0.47H7	
Width of guide block		mm / inch	18 / 0.71		18 / 0.71	
Drive pressure / method		MPa / psi	Pneumatic 0.55~0.7 / 79.8~101.5		Pneumatic 0.55~0.7 / 79.8~101.5	
Servo motor spec			refer to page 74			
Transmission ratio			R	T	R	T
			1/90	1/90	1/90	1/90
Max. table speed / at specified servo motor speed	min ⁻¹		22.2 / 2000	22.2 / 2000	25 / 2250	22.2 / 2000
Clamping torque	N.m / ft. lbs.		140 / 103.26	300 / 221	300 / 221.26	600 / 442.5
Allowable loading capacity	In Horizontal 	kg / lb	35 / 77		40 / 88	
	In Tilting (0~90°) 	kg / lb	20 / 44		30 / 66	
Allowable unbalancing work moment	WxL 	N.m / ft. lbs.	24 / 17.688		62 / 45.728	
FxL When table clamped	F 	N / lbs	2800 / 629.5		4900 / 1102	
	FxL 	N.m / ft. lbs.	140 / 103.26		300 / 221.26	
	FxL 	N.m / ft. lbs.	300 / 221		600 / 442.5	
Allowable loading inertia	$(\frac{W.D^2}{8})$ 	kg.m ²	0.1		0.15	
Resolution		deg.	0.001		0.001	
Indexing accuracy		sec	40"	60"	20"	60"
Repeatability		sec	6"	8"	6"	8"
Tilting angle range		deg.	-30 ~ +120		-30 ~ +120	
Net weight (servo motor excluded)		kg / lbs	172 / 379		355 / 783	
Allowable cutting torque		N.m / ft. lbs.	85 / 62.645		200 / 147.512	

Note: 1. R: Rotary Axis T: Tilt Axis
2. FxL When table clamped is a reference data, the users should consider proper safety factor or contact detron for details.

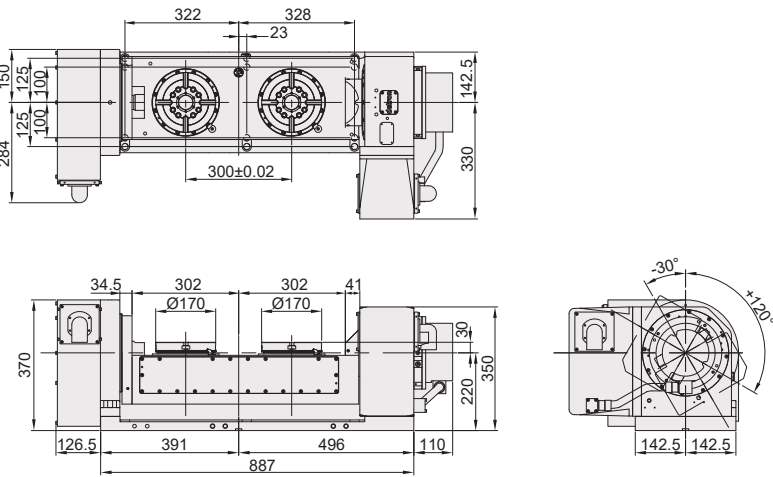
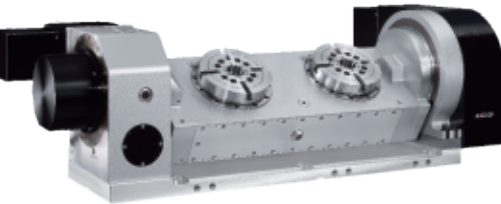
DIMENSIONAL DRAWINGS

Unit : mm

GFA-125S-2W-240



GFA-170S-2W-300



Note: 1. The length of servo guard may vary with servo motor type. (the metal sheet dimensions shown at above are based on Fanuc motor)
2. Allowable wheel torque at table speed of 1 min⁻¹.
3. According to application engineering, optical encoder is recommended for tilting axis.