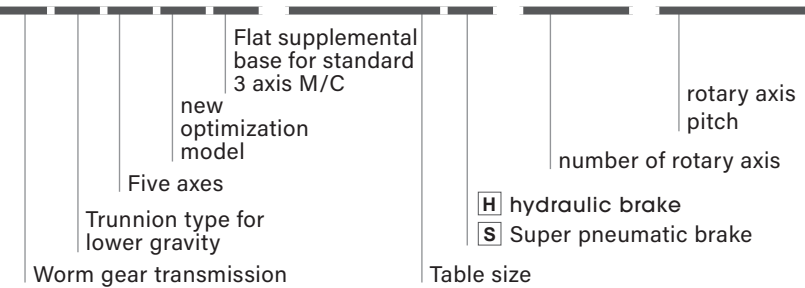


GTFAE-2W/3W series

Multi Spindle
Tilting Rotary Table

GTFAE-210S-2W-320



Worktable diameter Ø125, Ø210, Ø255
Multiple rotary axis allow high volume production and automation integration.

SPECIFICATIONS

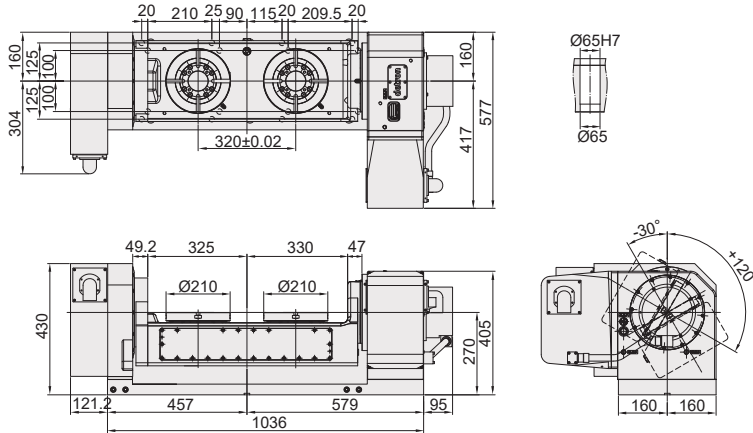
MODEL		Unit	GTFAE-210S-2W-320		GTFAE-255H-2W-400	
Worktable diameter		mm / inch	Ø210 / Ø8.27		Ø255 / Ø10.04	
Center bore diameter		mm / inch	Ø40H7 / Ø1.57H7		Ø40H7 / Ø1.57H7	
Pitch of rotary axis		mm / inch	320 / 12.60		400 / 15.75	
Max. work swing		mm / inch	310 / 12.20		390 / 15.35	
Height of table (horizontal)		mm / inch	270 / 10.63		370 / 14.57	
Height of center (vertical)		mm / inch	270 / 10.63		370 / 14.57	
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		Hydraulic 5 / 725.0	
Servo motor spec			refer to page 74			
Transmission ratio			R	T	R	T
			1/90	1/120	1/90	1/120
Max. table speed / at specified servo motor speed		min ⁻¹	25 / 2250	22.2 / 2664	20 / 1800	16.2 / 2000
Clamping torque		N.m / ft. lbs.	400 / 295	900 / 663.8	900 / 663.8	2500 / 1843
Allowable loading capacity	In Horizontal 	kg / lb	50 / 110		100 / 220	
	In Tilting (0~90°) 	kg / lb	35 / 77		75 / 165	
Allowable unbalancing work moment	WxL 	N.m / ft. lbs.	92 / 68		130 / 95.8	
FxL When table clamped	F 	N / lbs	9800 / 2203		11000 / 2473	
	FxL 	N.m / ft. lbs.	400 / 295		900 / 663.8	
	FxL 	N.m / ft. lbs.	900 / 663.8		2500 / 1843	
Allowable loading inertia	$\frac{W.D^2}{8}$ 	kg.m ²	0.22		0.8	
Resolution		deg.	0.001		0.001	
Indexing accuracy		sec	20"	60"	20"	60"
Repeatability		sec	6"	8"	6"	8"
Tilting angle range		deg.	-30 ~ +120		-30 ~ +120	
Net weight (servo motor excluded)		kg / lbs	440 / 970		856 / 1887	
Allowable cutting torque		N.m / ft. lbs.	250 / 184		550 / 405	

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.

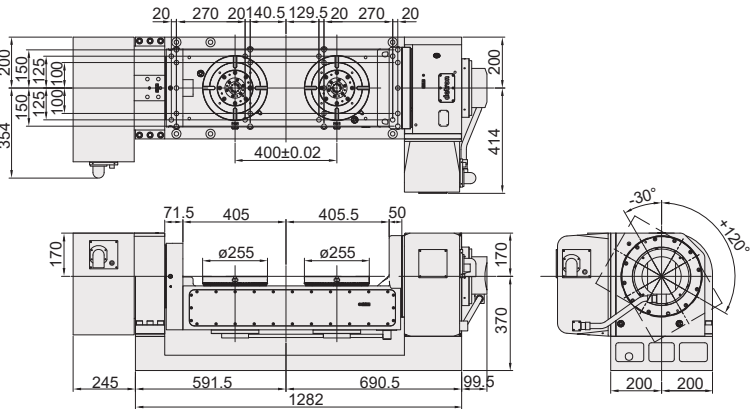
DIMENSIONAL DRAWINGS

Unit : mm

GTFAE-210S-2W-320

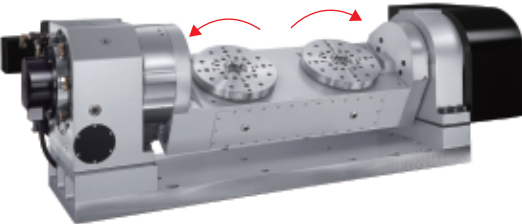


GTFAE-255H-2W-400



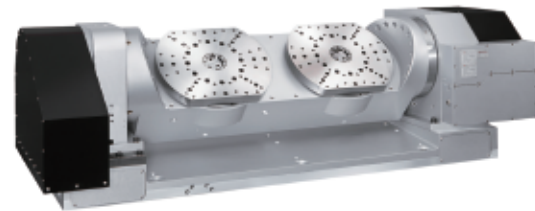
Hybrid Drive ▶▶▶

GTFAE-255H-2WS-400



Individual rotations on each axis.

GDTF-500HB-2W-600



Rotary axis by DDM for 50rpm.
Tilting axis by worm wheel transmission.

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.