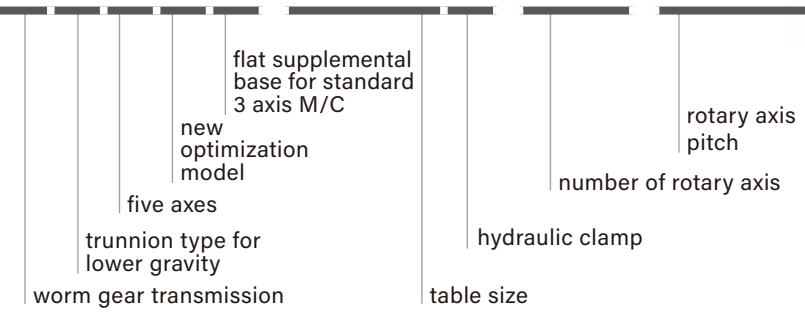


GTFAE-2W series

Multi Spindle
Tilting Rotary Table

GTFAE-255H-2W-400



Worktable diameter Ø255, Ø320.
Multiple rotary axis allow high volume production and automation integration.

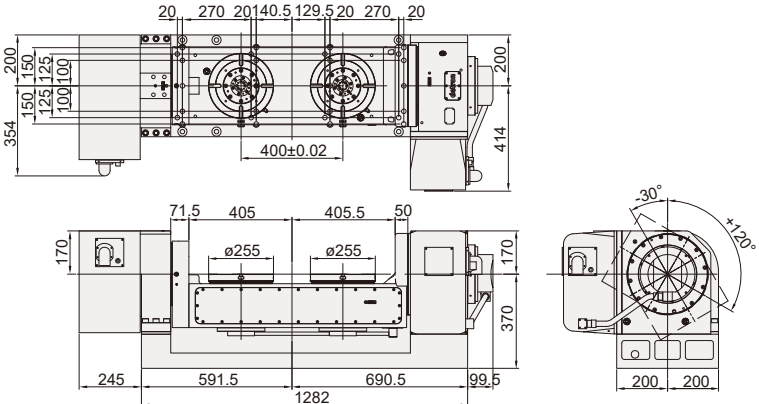
SPECIFICATIONS

MODEL		Unit	GTFAE-255H-2W-400		GTFAE-320H-2W-450	
Worktable diameter		mm / inch	Ø255 / Ø10.04		Ø320 / Ø12.6	
Center bore diameter		mm / inch	Ø50H7 / Ø1.57H7		Ø50H7 / Ø1.57H7	
Pitch of rotary axis		mm / inch	400 / 15.75		450 / 17.72	
Max. work swing		mm / inch	390 / 15.35		440 / 17.32	
Height of table (horizontal)		mm / inch	370 / 14.57		370 / 14.57	
Height of center (vertical)		mm / inch	370 / 14.57		370 / 14.57	
Width of T-slot		mm / inch	12H7 / 0.47H7		12H7 / 0.47H7	
Drive pressure / method		MPa / psi	Hydraulic 5 / 725.0		Hydraulic 5 / 725.0	
Servo motor spec			refer to page 78			
Transmission ratio			R	T	R	T
			1 / 90	1 / 120	1 / 90	1 / 120
Max. table speed / at specified servo motor speed		min ⁻¹	22.2 / 2000	20 / 2400	22.2 / 2000	20 / 2400
Clamping torque		N.m / ft. lbs.	900 / 663.8	2500 / 1843	1600 / 1180	2800 / 2065
Allowable loading capacity	In Horizontal 	kg / lb	100 / 220		120 / 265	
	In Tilting (0~90°) 	kg / lb	75 / 165		85 / 187	
Allowable unbalancing work moment	WxL 	N.m / ft. lbs.	130 / 95.8		150 / 331	
FxL When table clamped	F 	N / lbs	11000 / 2473		11000 / 2473	
	FxL 	N.m / ft. lbs.	900 / 663.8		1600 / 1180	
	FxL 	N.m / ft. lbs.	2500 / 1843		2800 / 2065	
Allowable loading inertia	$\frac{W.D^2}{8}$ 	kg.m ²	0.8		1.0	
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	856 / 1887		824 / 1817	
Allowable cutting torque		N.m / ft. lbs.	550 / 405		550 / 405	

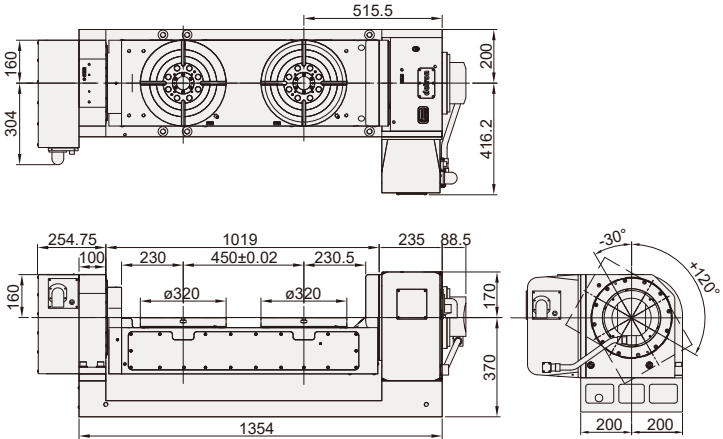
Note: 1. R: Rotary Axis T: Tilt Axis
2. FxL When table clamped is a reference data, the users should consider proper safety factor or contact detron for details.

DIMENSIONAL DRAWINGS

GTFAE-255H-2W-400

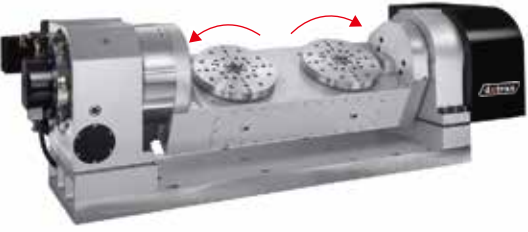


GTFAE-320H-2W-450 pitch up to 560mm is optional



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.