

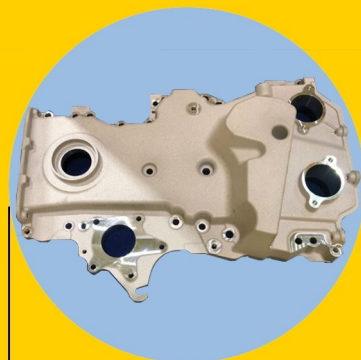
ROBODRILL

α -D*i*B_{ADV} **Plus** series



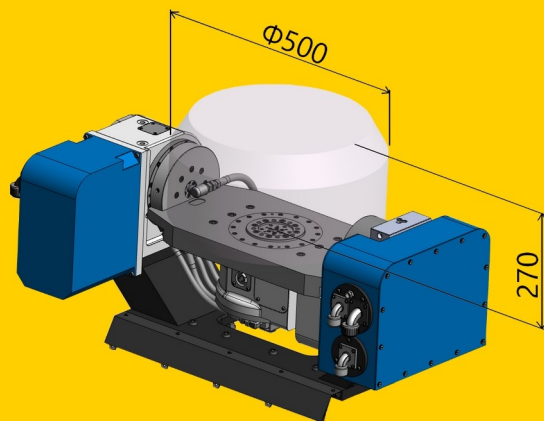
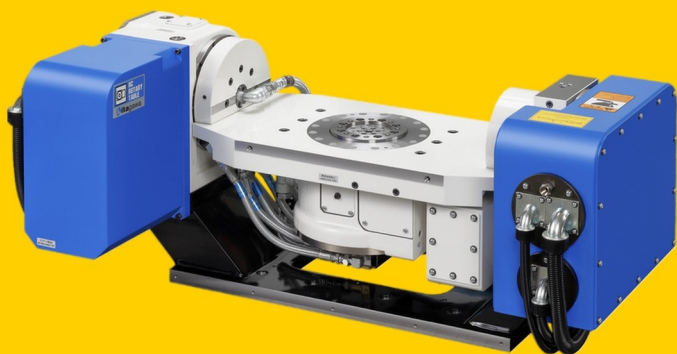
Roller gear & cam
mechanism NC rotary table

RKT500



Jig area $\Phi 500$

Consolidation of machining processes for large aluminium workpieces using a tilting NC rotary table equipped with a roller gear cam mechanism



Capable up to $\Phi 500 \times H 270$ mm workpieces
(in the case of α -D21MiB_{ADV} Plus, 300mm high column)

Specifications

Tilting angle	Table diameter mm	Centre hole diameter mm	Through hole diameter mm	Centre height mm	Clamping torque		Allowable pressure MPa	Motor axis reduced inertia		Servo motor	
					Rotating axis N·m	Tilting axis N·m		Rotating axis kg·m ²	Tilting axis kg·m ²	Rotating axis	Tilting axis
-30°~+120°	φ 134	φ 80	φ 80	310	600	740	0.7	0.0004	0.0065	αiS 4/5000-B	Quinte motor

Total reduction ratio		Max. rotation speed		Allowable work inertia kg·m ²	Indexing accuracy		Repeatability		Allowable mass of work kg	Max. work diameter mm	Mass of product kg
Rotating axis	Tilting axis	Rotating axis min ⁻¹	Tilting axis min ⁻¹		Rotating axis sec	Tilting axis sec	Rotating axis sec	Tilting axis sec			
1/50	1/20	※1 80 (75)	※2 70 (50)	1.8	30	30	4	4	100	500	285

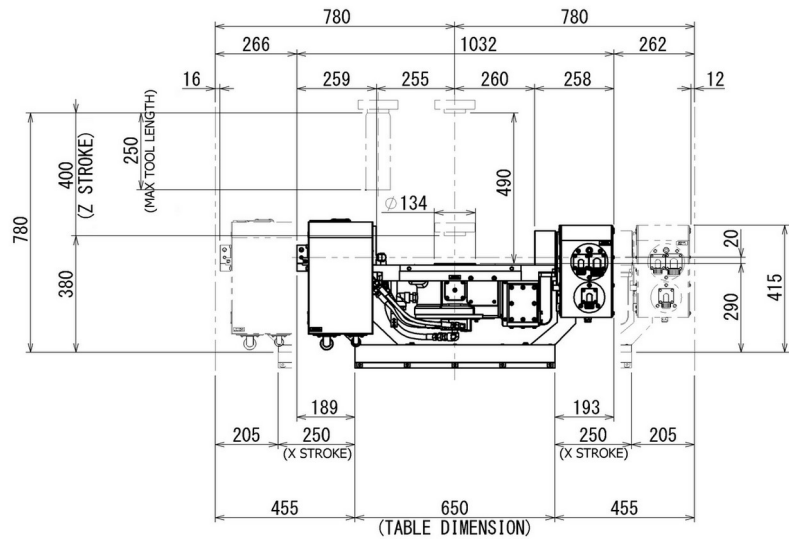
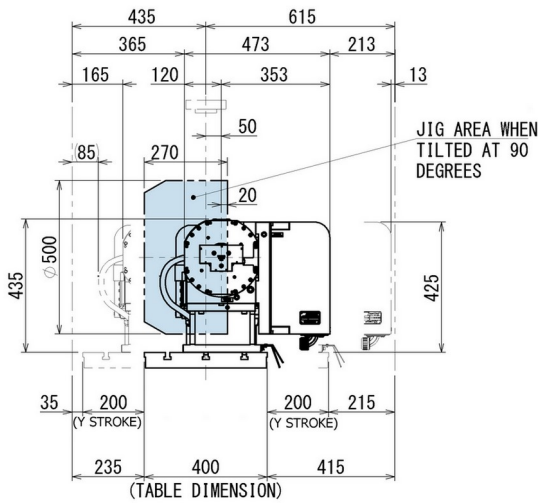
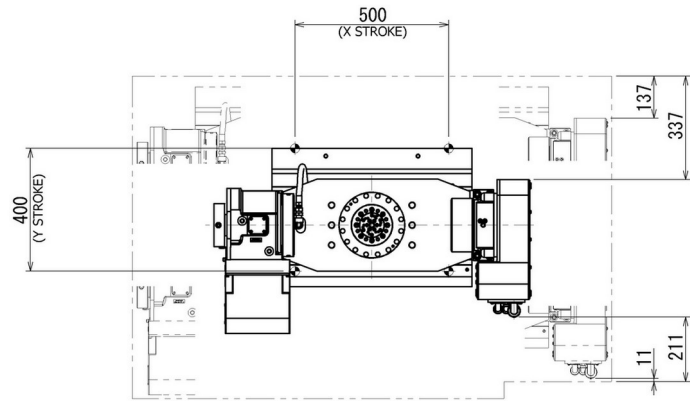
※1 When the eccentric torque of work piece is more than 50 Nm, max. rotating speed of the rotating axis becomes the value in ().

※2 When the workpiece mass is more than 50 kg, max. rotating speed of the tilting axis becomes the value in ().

※3 Clamping torques above are at pneumatic pressure of 0.5 MPa.

Installation diagram

Note: This installation diagram is specifically for the Fancu α-D14/21/28MiB_{ADV} Plus with 300mm high-column, single front door, and no side automatic door. For other models, including L-type with 500mm Y-stroke, please enquire separately.



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