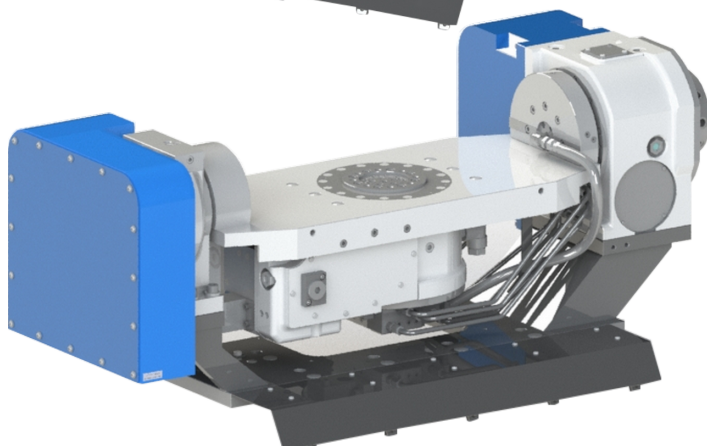
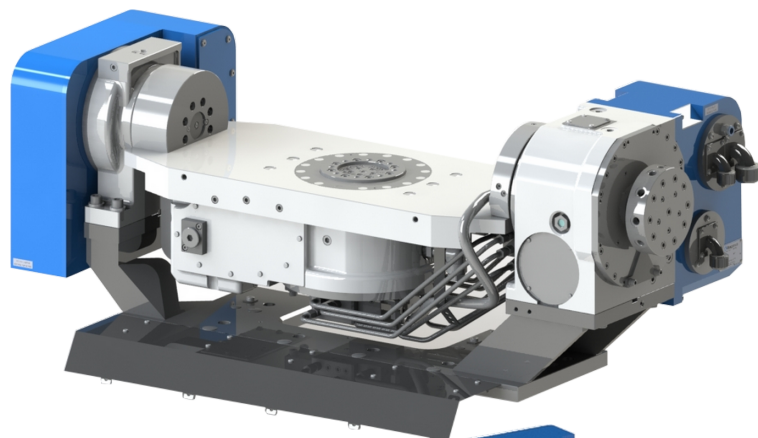


Roller gear & cam mechanism NC rotary table

RKT600



The **RKT500** has further evolved, enhanced capability to load workpieces with a diameter of up to **Ø600**.

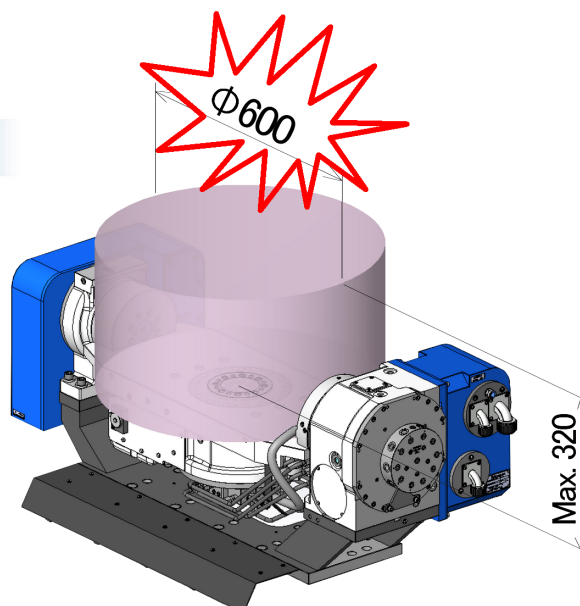


Roller gear & cam

Compact design fits on small machining centres with No. 30 taper spindle. Integrates large aluminium workpiece machining.

Features

- The roller gear & cam mechanism maintains stable accuracy for a long term and achieves high-speed rotation.
- The built-in rotary joint supports a total of 11 ports: 10 hydraulic / pneumatic ports and 1 coolant port.
- Maximum allowable work diameter: $\phi 600$



Specifications

Table diameter mm	Centre height mm	Clamping torque		Max. pneumatic pressure MPa	Total reduction ratio		Max. rotating speed		Allowable work inertia kg · m ²	Allowable mass of workpiece kg	Max. diameter of workpiece mm	Mass of product kg
		Rotating axis N · m	Tilting axis N · m		Rotating axis	Tilting axis	Rotating axis min ⁻¹	Tilting axis min ⁻¹				
		mm	mm	N · m	N · m	MPa	Rotating axis	Tilting axis	min ⁻¹	min ⁻¹	kg · m ²	kg
φ 134	310	600	740	0.7	1/50	1/30	※1 80 (60)	※2 50 (33.3)	1.8	100	600	296

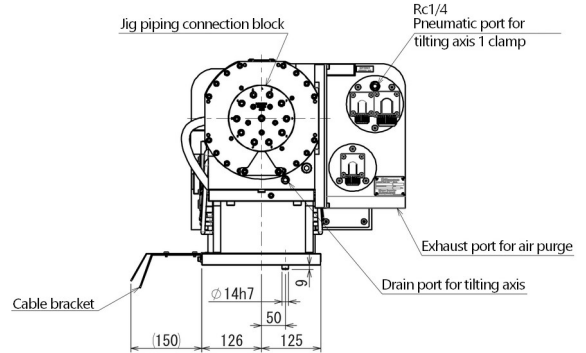
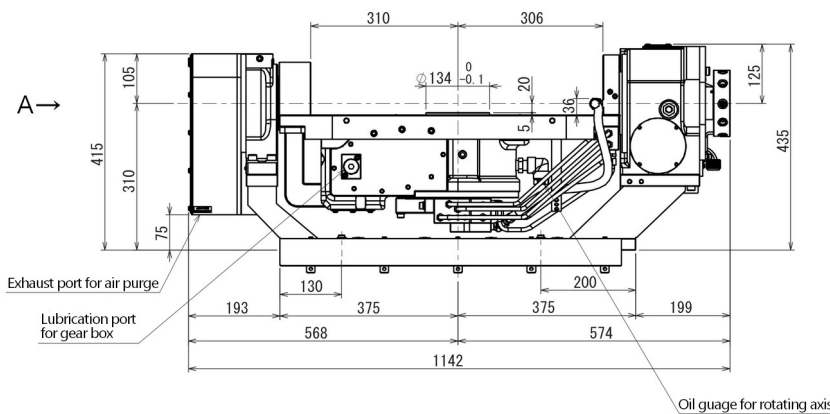
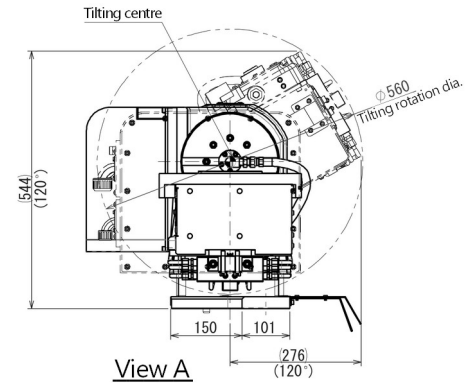
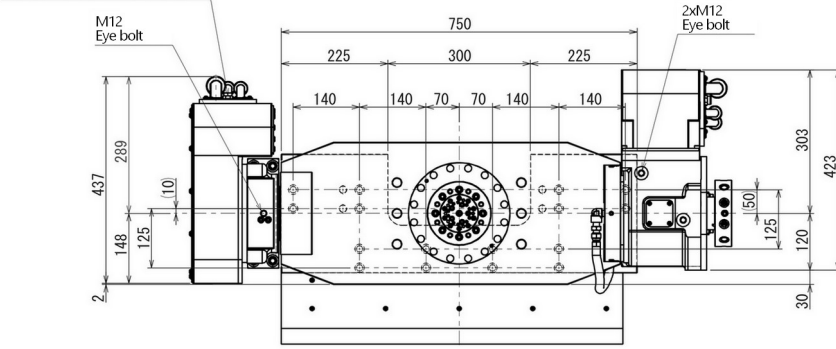
※1 When the eccentric torque of work piece is more than 50 Nm, max. rotating speed of the rotating axis becomes the value in ().

※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.

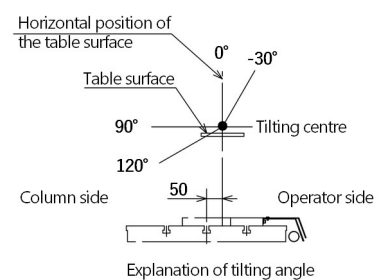
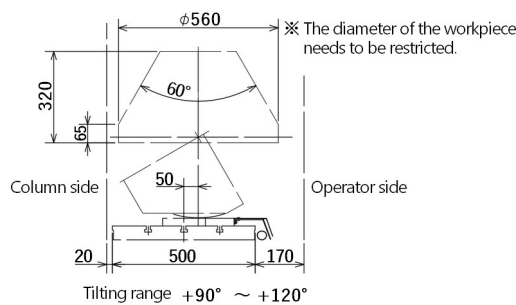
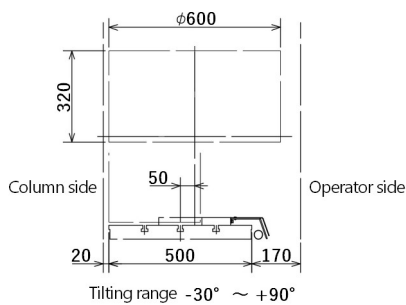
Dimensions

Rc1/4
Pneumatic port for rotating axis and
tilting axis 2 clamps



Work loadable area

The loadable area shown here is that of the RKT600, which is mounted 50mm offset towards the operator side and inclined towards the column side on a FANUC ROBOTDRILL α-D28LiB5 ADV Plus Y500 300mm high column.



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