LARGE TILTING ROTARY TABLE `NEW`

NIKKEN

■ CNC tilting rotary table with powerful clamping system at both side.

■ Counter balance weight can be attached on 5AX-1200A to compensate the unbalancing load as standard.

5AX-1200B

● Explanation of the Code No. (Example)

5AX - 1200 A F A - M

- No Letter: without motor   M: with motor
- No Letter: DC servo motor   A: AC servo motor
- Motor Maker ☞ **P.37**
  WA21: with NIKKEN α21 controllers for both axes
  DA21 : with NIKKEN α21 controllers for tilting axis
  F:FANUC M:MELDAS Y:YASNAC OSP:OSP3
  T:TOSNUC Z:SIEMENS
- Location of Tilting Axis Centre
  A: Centre of Rotary Axis Body, B: Top Surface of Rotary Axis
- Diameter of Table
  800, 1200
- 5AX-: Tilting rotary CNC table

■ Specifications   The specification will be varied according to your application. Please contact us.

Item / Code No.		5AX-800		5AX-1200	
Diameter of Table	φmm	800×500		1200	
Diameter of Spindle Hole	φmm	φ130		φ300H7	
Centre Height (90°)	mm	550		750	
Table Height in Horizonatal Position (0°)	mm	500		950	
Width of T Slot	mm	$-(14\,^{+0.018}_{0})$ *1		$22\,^{+0.018}_{0}$ *1	
Axis		Rotary	Tilting	Rotary	Tilting (−20°～105°)
Clamping System	3.5MPa	Hyd.	Hyd.	Hyd.	Hyd.
Clamping Torque	N·m	4655	6125	14700	19600
Table Inertia at Motor Shaft	$(\frac{GD^2}{4})$ kg·m²x10⁻³	6.8	6.0	10.8	3.5
Servo Motor	min⁻¹	αiF22 / 4000·2000	αiF40 / 3000·2000	αiF22 / 4000·2000	αiF22 / 4000·2000
MIN. Increment		0.001°	0.001°	0.001°	0.001°
Rotation Speed	min⁻¹	25	12.5	5.5	2.7
Total Reduction Ratio		1/60	1/120	1/360	1/720
Indexing Accuracy	sec	20	60	20	60
Indexing Accuracy of Ultra Precision *2	sec	±5	±10	±5	±10
Net Weight	kg	2300		7300	
MAX. Work Load on the Table	0° to 30° kg	500		2500	
	30° to 90° kg	500		1500	
MAX. Thrust Load applicable on the Table	Tilting Angle = 0° N	31360		137200	
	Tilting Angle = 0°	2695		5488	
	Tilting Angle = 90°	2824		9600	
	Tilting Angle = 90° FxL N·m	2548		14700	
MAX. Work Inertia	$(\frac{GD^2}{4})$ kg·m²	23		276	
Driving Torque	N·m	422		3168	

★ Range of tilting angle (0°～105°) can be expanded as an option. Please contact us.   ★ Rotary joint is available for all rotary tables, please refer ☞ **P.54**
★ *1 Standard large rotary tables are without T slot. T slot is available as an option, please specify the width of the T slot.
★ *2 Ultra precision type is available for all rotary tables, Rotary axis: ±5″Tilting axis: ±10″, please refer ☞ **P.53**
★ The supplied hydraulic pressure is 3.5MPa for hydraulic clamping system.