

LARGE CNC ROTARY TABLE

NIKKEN








CNC1600

- Ideal for indexing and lead cutting of large work pieces
- Tooth thickness module 10 and ultrahigh rigidity among best in class.(CNC1600)
- Ideal for aircraft- and energy-related parts



Specifications

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

Item / Code No.		CNC1000*1	CNC1200*1	CNC1201*1	CNC1600*1
Diameter of Table	φmm	1000	1200	1200	1600
Diameter of Spindle Hole *2	φmm	φ300H7	φ300H7	φ300H7	φ400H7
Center Height	mm	Horizontal	Horizontal	650	850
Width of T Slot *4	mm	22H7*4	22H7*4	22H7*4	28H7*4
Clamping System		Hydraulic	Hydraulic	Hydraulic	Hydraulic
Clamping Torque	N·m	18000	18000	18000	35000
Servo Motor	r/min	αiF22·2000		αiF30·2000	
MIN. Increment		0.001°	0.001°	0.001	0.001
Rotation Speed	r/min	5.5	5.5	2.7	2.7
Total Reduction Ratio *5		1/360	1/360	1/720	1/720
Indexing Accuracy	sec	15	15	15	15
Indexing Accuracy of Ultra Precision	sec	±3	±3	±3	±3
Net Weight	kg	1700	1850	3500*6	5250*6
MAX. Work Load on the Table	Vertical  kg	—	—	6500	10000
	Horizontal  kg	7000	7000	13000	30000
MAX. Thrust Load applicable on the Table	 N	281250	375000	1333330	2000000
	*7  FXL N·m	24080	24080	79025	111952
	 FXL N·m	42190	67500	240000	510000
MAX. Work Inertia	Vertical  kg·m ²	1300	1300	2300	6400
Driving Torque	*3  N·m	3168	3168	8640	8640

*1 CNC1000, 1200, 1600 is semi-standard model.

*2 The diameter of the spindle hole is restricted for the ultra precision type with Heidenhain rotary encoder.

*3 Driving torque means the torque at MAX. rotation speed after acceleration. Driving torque is almost constant and independent from the load except unbalancing load is applied.

*4 Standard large rotary tables are without T slot. T slot is available as an option, please specify the width of the T slot.

*5 Total reduction ratio and motor can be changed according to your application, please contact us.

*6 Net weight of the rotary table is for horizontal application. The weight of the back support for vertical application is not included.

*7 This is the strength of the worm wheel without brake. It is applied against dynamic cutting thrust.