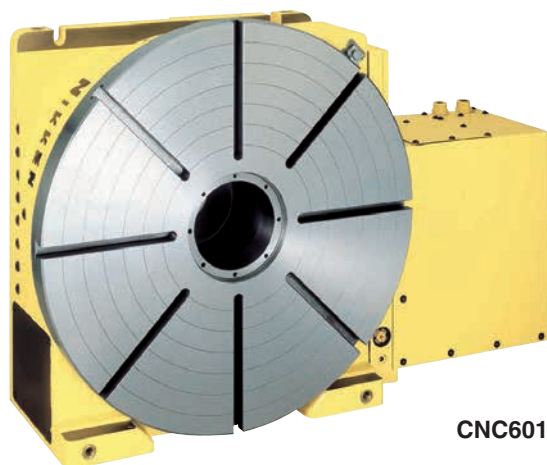


STANDARD CNC ROTARY TABLE









NIKKEN


CNC601

- Dividing and lead cutting for large size work piece is suitable
- Large through hole and powerful clamping system
- Ideal for deep cutting of highly rigid material

Option				Accessories					
ADD. AXIS	ACCURACY SPEC.	ROTARY JOINT	ULTRA PRECISION	SUPPORT TABLE	TAIL STOCK	SCROLL CHUCK	POWER CHUCK	CLAMP DEVICE	T-NUT
P.57	P.99	P.89	P.87	P.79	P.81	P.83	P.84	P.85	P.86

Specifications

Item / Code No.		CNC501	CNC601	CNC803	CNC1003
Diameter of Table	φmm	500	600	800	1000
Diameter of Spindle Hole	φmm	Φ130H7	Φ130H7	Φ230H7	Φ230H7
Center Height	mm	310	310	550	550
Width of T Slot	mm	14 $^{+0.018}_0$	14 $^{+0.018}_0$	22H7*4	22H7*4
Clamping System		Hydraulic	Hydraulic	Hydraulic	Hydraulic
Clamping Torque	N·m	4655	4655	7000	7000
Table Inertia at Motor Shaft	$(\frac{GD^2}{4}) \text{ kg}\cdot\text{m}^2 \times 10^{-3}$	6.8	4.9	6.2	6.3
Servo Motor	r/min	αiF12·2000	αiF12·2000	αiF30·2000	αiF30·2000
MIN. Increment		0.001°	0.001°	0.001°	0.001°
Rotation Speed	r/min	16.6	11.1	5.5	5.5
Total Reduction Ratio		1/120	1/180	1/360	1/360
Indexing Accuracy	sec	15	15	15	15
Net Weight	kg	470	500	2070	2210
MAX. Work Load on the Table	Vertical  kg	400	400	2000	2000
	Horizontal  kg	800	800	4000	4000
MAX. Thrust Load applicable on the Table	 N	150000	150000	281250	281250
	*1  F×L N·m	5709	5709	20067	20067
	 F×L N·m	16650	16650	42190	42190
Guide Line of MAX. Unbalancing Load	*2  N·m	200	200	300	300
MAX. Work Inertia	Vertical  $(\frac{GD^2}{4}) \text{ kg}\cdot\text{m}^2$	19.4	37	234	234
Driving Torque	*3  N·m	576	864	3168	3168

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

*2 The guide line of MAX unbalancing load means the unbalancing load, when the rotary table is used with support table in vertical application. The guide line figure will be different according to the servo motor, please refer to P.57 for more detail.

*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.

★ Total reduction ratio of 1/180 is also available for CNC501. ★ αiF22/4000 motor can be mounted on CNC501, 601.