

# LARGE CNC ROTARY TABLE **NEW**

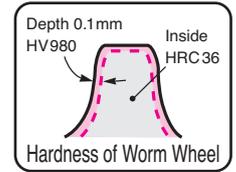
**NIKKEN**



## Worm System



## Worm Wheel



Material is special NIKKEN order made steel. Specially hardened and furthermore ion-nitrided on the tooth. Thus, the problem of the sliding friction is solved.

### • Explanation of the Code No. (Example)

## CNC 1600 F A - M

- No Letter : without motor M : with motor
- No Letter : DC servo motor A : AC servo motor
- Motor Maker P.37
  - A21 : with NIKKEN  $\alpha$ 21 controller
  - F:FANUC M:MELDAS Y:YASNAC OSP:OSP3
  - T:TOSNAC Z:SIEMENS I:INDRAMAT
  - H:HEIDENHAIN X:ISOFLEX SEM:SEM B:BOSCH
- Diameter of Table
  - 1000, 1200, 1600, 2000
- CNC: Standard

## Specifications

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

Item / Code No.		CNC1000	CNC1200	CNC1201	CNC1600	CNC2000
Diameter of Table	$\phi$ mm	1000	1200	1200	1600	2000
Diameter of Spindle Hole *1	$\phi$ mm	300H7	300H7	300H7	400H7	400H7
Centre Height	mm	Horizontal	Horizontal	650	850	Horizontal
Width of T Slot *2	mm	22H7*2	22H7*2	22H7*2	28H7*2	28H7*2
Clamping System		Hyd.	Hyd.	Hyd.	Hyd.	Hyd.
Clamping Torque	N·m	18000	18000	18000	35000	35000
Servo Motor	min <sup>-1</sup>	$\alpha$ iF22/4000, 2000		$\alpha$ iF30/4000, 2000		
MIN. Increment		0.001°	0.001°	0.001	0.001	0.001
Rotation Speed *3	min <sup>-1</sup>	5.5	5.5	2.7	2.7	2.7
Total Reduction Ratio		1/360	1/360	1/720	1/720	1/720
Indexing Accuracy	sec	15	15	15	15	15
Indexing Accuracy of Ultra Precision	sec	$\pm$ 3	$\pm$ 3	$\pm$ 3	$\pm$ 3	$\pm$ 3
Net Weight	kg	1700	1850	3500*4	5250*4	7700
MAX. Work Load on the Table	Vertical	—	—	6500	10000	—
	Horizontal	7000	7000	13000	30000	30000
MAX. Thrust Load applicable on the Table		281250	375000	1333330	2000000	2000000
	*5	F x L N·m	24080	24080	79025	111952
		F x L N·m	42190	67500	240000	510000
MAX. Work Inertia		kg·m <sup>2</sup>	1300	1300	2300	6400
MAX. Allowable Torque		N·m	3168	3168	8640	8640

★\*1 The diameter of the spindle hole is restricted for the ultra precision type with Heidenhain rotary encoder.

★\*2 Standard large rotary tables are without T slot. T slot is available as an option, please specify the width of the T slot.

★\*3 Total reduction ratio and motor can be changed according to your application, please contact us.

★\*4 Net weight of the rotary table is for horizontal application.

The weight of the back support for vertical application is not included.

★\*5 This is the strength of the worm wheel without brake. It is applied against dynamic cutting thrust.