

LARGE CNC ROTARY TABLE

NEW

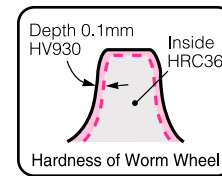
NIKKEN



Worm System



Worm Wheel



Special hardened and ion nitrided to the teeth on the Nikken special steel. The problem of the sliding friction is solved and the durability is extremely extended.








Explanation of the Code No.

CNC 1600 F A - M

- No Letter: without motor M: with motor
- No Letter: DC servo motor A: AC servo motor
- Motor Maker
A21PW: with NIKKEN α21 controller
F: FANUC M: MELDAS T: TOSNUC
Y: YASNAC O: OSP3 Z: SIEMENS
- Diameter of Table
800, 1000, 1200, 1600, 2000
- CNC: Standard

Specifications

Specifications are very different depending on the application. Please contact with us for more detail.

Item / Code No.		CNC802	CNC1000	CNC1200	CNC1201	CNC1600	CNC2000
Diameter of Table	φmm	800	1,000	1,200	1,200	1,600	2,000
Diameter of Spindle Hole *1	φmm	270H7	300H7	300H7	300H7	400H7	400H7
Centre Height	mm	470	Horizontal only		650	850	850
Width of T Slot *2	mm	20H7	22H7	22H7	22H7	28H7	28H7
Clamping System		Hyd.					
Clamping Torque	N·m	7,000	18,000	18,000	18,000	35,000	35,000
Servo Motor	min ⁻¹	αiF22/3000, 2000			αiF30/3000, 2000		
MIN. Increment		0.001°	0.001°	0.001°	0.001	0.001	0.001
Rotation Speed	min ⁻¹	5.5	5.5	5.5	2.7	2.7	2.7
Total Reduction Ratio		1/360	1/360	1/360	1/720	1/720	1/720
Indexing accuracy (Standard)	sec	15	15	15	15	15	15
Indexing Accuracy (Ultra Precision)	sec	±3	±3	±3	±3	±3	±3
Net Weight	kg	1,100	1,700	1,900	2,700	6,300	7,700
MAX. Work Load on the Table	Vertical  kg	1,500	—	—	6,500	10,000	—
	Horizontal  kg	3,000	7,000	7,000	13,000	30,000	30,000
MAX. Thrust Load applicable on the Table	 N	58,800	137,200	137,200	254,800	392,000	392,000
	 F×L N·m	7,000	—	—	18,000	35,000	—
	 F×L N·m	3,000	9,600	9,600	27,000	80,000	80,000
MAX. Work Inertia	 kg·m ²	234	1,300	1,300	2,300	6,400	6,400
MAX. *3 Applicable Torque	 N·m	3,800	11,000	11,000	36,000	50,000	50,000

*1 When the ultra precision type rotary table with the rotary encoder, the centre hole can not be used.

*2 The rotary table without T slots is standard. The rotary table with T slots is available as an option.

*3 This is not the driving torque, but the MAX. applicable torque to the worm system.

●Specifications are subject to change without notice.

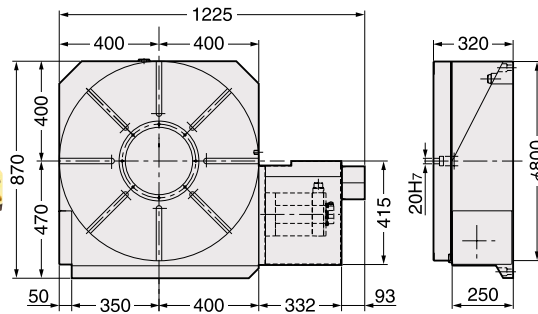
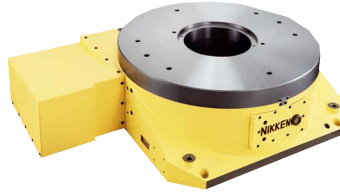
CNC802, 1000, 1200, 1201, 1600, 2000



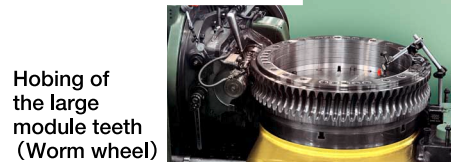
External dimension will be different according to the servo motors. Dimension with FANUC motor is shown. Please contact with us for CAD data (DZXF format) of each dimension.

CNC802

★10 ports of the built-in type rotary joint can be mounted on CNC802.

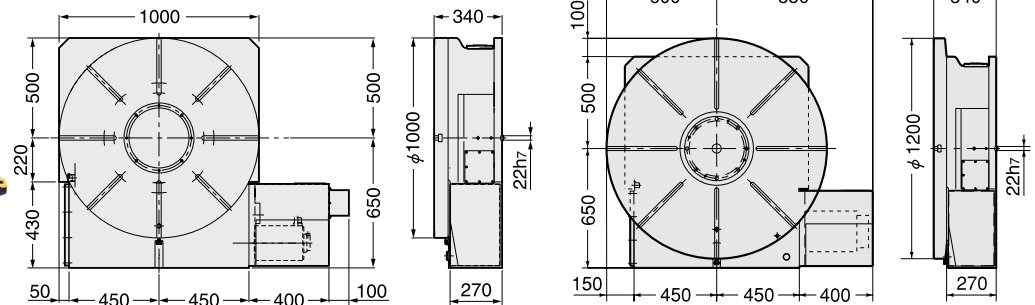
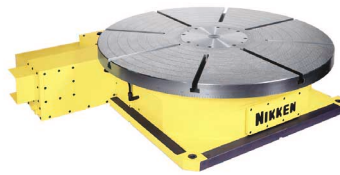


Machining of the large module gear

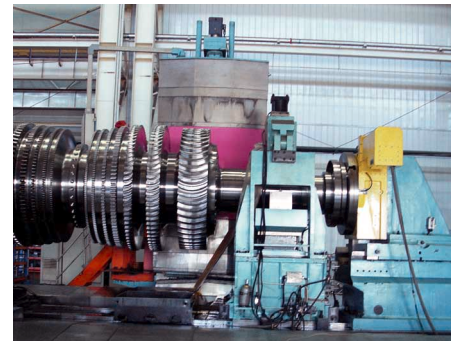
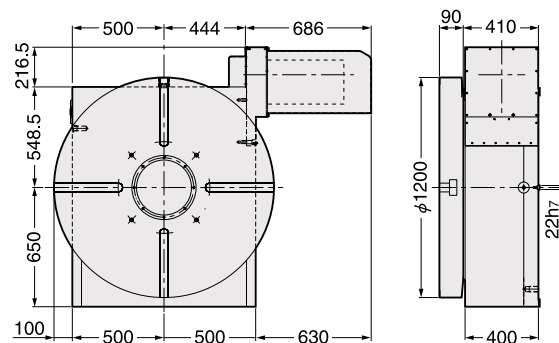
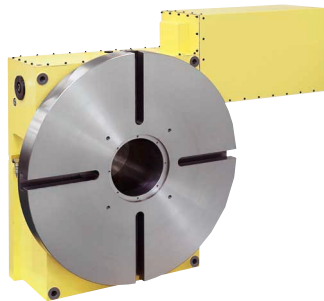


Hobbing of the large module teeth (Worm wheel)

CNC1000,1200

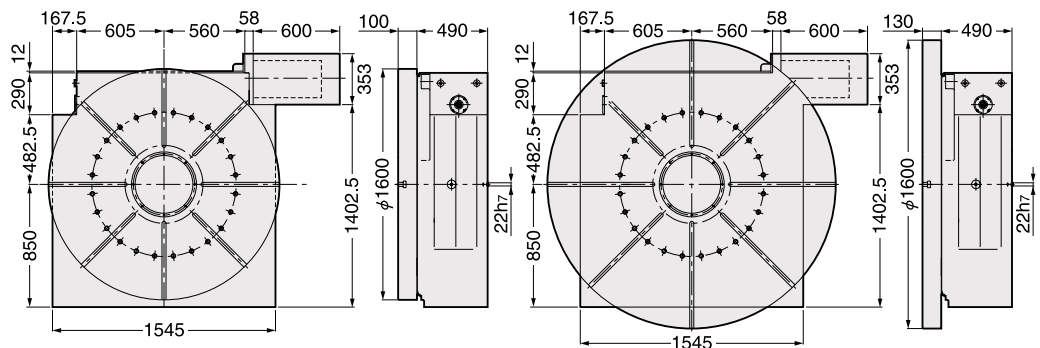
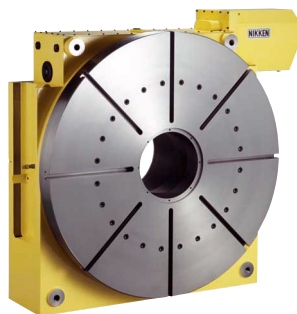


CNC1201



Driving of the turbine shaft of the internal combustion engine

CNC1600, 2000



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