

# BUILT IN type CNC ROTARY TABLE

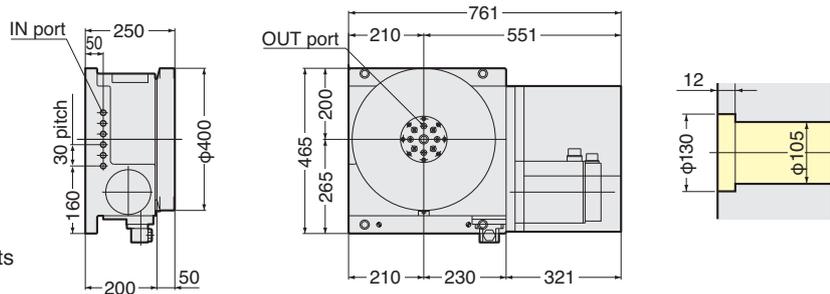
**NIKKEN**

External dimensions will be different according to the type of the servo motors. Dimensions with FANUC motor are shown. Please contact with us for CAD data (2D:DXF, 3D:PARASOLID).

## CNC401H



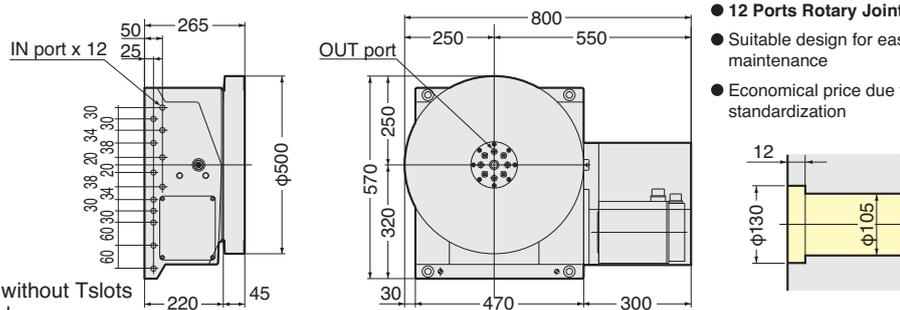
The table without Tslots is standard.



## CNC503H



The table without Tslots is standard.



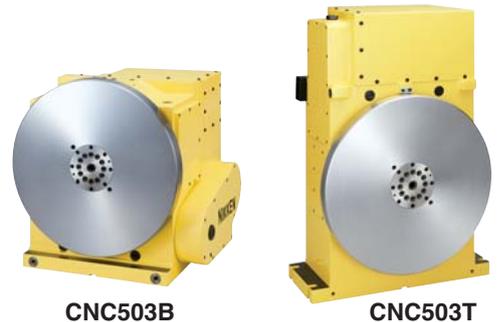
- 12 Ports Rotary Joint is standard.
- Suitable design for easy maintenance
- Economical price due to standardization

## Specifications

( ) : High Speed CNC ROTARY Table Z series

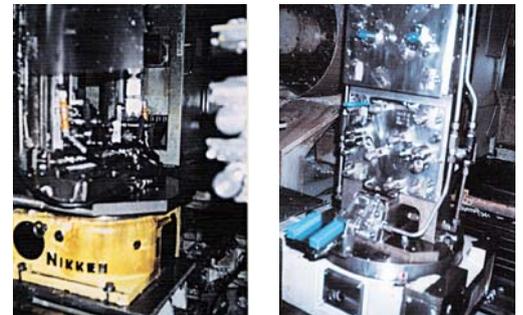
Item / Code No.		CNC401H CNCZ401H	CNC503H CNCZ503H
Diameter of Table	φmm	φ400	φ500
Diameter of Spindle Hole	φmm	φ105	φ105
Clamping System	3.5MPa	Hyd.	Hyd.
Clamping Torque	N·m	1470	1890
Table Inertia at Motor Shaft $(\frac{GD^2}{4})$	kg·m <sup>2</sup> ×10 <sup>-3</sup>	2.8	8
Servo Motor	min <sup>-1</sup>	αIF12/4000·2000	αIF12/4000·2000
MIN. Increment		0.001°	0.001°
Rotation Speed	min <sup>-1</sup>	22.2(44.4)	16.6(33.3)
Total Reduction Ratio		1/90 (1/45)	1/120 (1/60)
Indexing Accuracy	sec	20	20
Net Weight	kg	295	400
MAX. Work Load on the Table	Horizontal  kg	800	1000
	N	53100	63720
MAX. Thrust Load applicable on the Table	*1  FxL N·m	2648	3531
	FxL N·m	3840	5990
MAX. Work Inertia	$(\frac{GD^2}{4})$ kg·m <sup>2</sup>	16.6(8.3)	32.5(16.3)
Driving Torque	N·m	432(345)	576(460)

CNC503B, which motor is mounted on the back side, and CNC503T, which motor is mounted on the top side, are available.



## NC Special Purpose Machine

NIKKEN rotary tables are used under the severe conditions due to 24 hours continuous operation.



- ★ \*1 This is the strength of the worm wheel without brake. It is applied against dynamic cutting thrust.
- ★ Ultra precision type is available for all rotary tables, ±3" or ±5", please refer P.53.
- ★ αIF22/3000 motor can be mounted on CNC401H and CNC503.
- ★ The square table is available as an option. Please contact us.
- ★ The supplied hydraulic pressure is 3.5MPa for hydraulic clamping system.

Conditions of CNC rotary table being used on the special purpose machine, refer P.60.