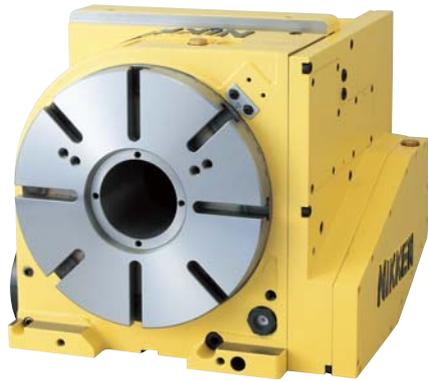
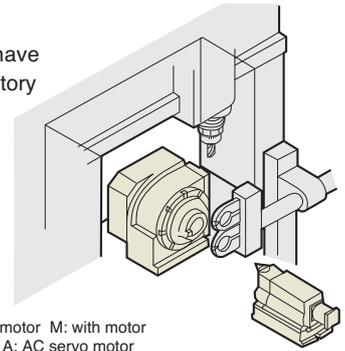


# BACK SIDE MOTOR MOUNTED CNC ROTARY TABLE



CNC260B

■ Suitable for the machine which does not have so wide space for Y axis, such as the gantry type M/C or the M/C with splash guard.



● Explanation of the Code No. (Example)

## CNC 260 B 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:OSP T:TOSNUC N:NEC
- S:SANYO Z:SIEMENS I:INDRAMAT H:HEIDENHAIN X:ISOFLX
- SEM:SEM B:BOSCH
- Position of motor B: Back side
- Diameter of Table  
180, 200, 260, 300, 320, 400
- CNC: Standard  
CNCZ: High Speed Z Series

## Specifications

( ) : High Speed CNC ROTARY Table Z series

Item / Code No.		CNC180B CNCZ180B	CNC202B CNCZ202B	CNC260B CNCZ260B	CNC302B CNCZ302B	CNC321B CNCZ321B	CNC401B CNCZ401B
Diameter of Table	$\phi$ mm	180	200	260	300	320	400
Diameter of Spindle Hole	$\phi$ mm	$\phi 60H7, \phi 40$	$\phi 60H7, \phi 40$	$\phi 80H7$	$\phi 80H7$	$\phi 105H7$	$\phi 105H7$
Centre Height	mm	180	180	170	170	230	230
Width of T Slot	mm	$12^{+0.018}_0$	$12^{+0.018}_0$	$12^{+0.018}_0$	$12^{+0.018}_0$	$12^{+0.018}_0$	$14^{+0.018}_0$
Clamping System		Air	Air	Air / Hyd.	Air / Hyd.	Hyd.	Hyd.
Clamping Torque	N·m	303	303	588 / 1568	588 / 1568	1760	1760
Table Inertia at Motor Shaft ( $\frac{GD^2}{4}$ )	$\text{kg}\cdot\text{m}^2 \times 10^{-3}$	0.4	0.4	1.7	1.8	7.0	7.0
Servo Motor	$\text{min}^{-1}$	$\alpha$ IF2/5000·2000	$\alpha$ IF4/5000·2000	$\alpha$ IF4/5000·2000	$\alpha$ IF4/5000·2000	$\alpha$ IF12/4000·2000	$\alpha$ IF12/4000·2000
MIN. Increment		0.001°	0.001°	0.001°	0.001°	0.001°	0.001°
Rotation Speed	$\text{min}^{-1}$	22.2(44.4)	22.2(44.4)	16.6(33.3)	16.6(33.3)	22.2(44.4)	22.2(44.4)
Total Reduction Ratio		1/90(1/45)	1/90(1/45)	1/120(1/60)	1/120(1/60)	1/90(1/45)	1/90(1/45)
Indexing Accuracy	sec	$\pm 20$	$\pm 20$	20	20	15	15
Net Weight	kg	56	60	145	150	240	270
MAX. Work Load on the Table	Vertical	100	100	175	175	250	250
	Horizontal	—	—	—	—	—	—
MAX. Thrust Load applicable on the Table		18000	18000	42480	42480	53100	53100
	*1	542	542	1442	1442	2648	2648
		690	690	2320	2320	3840	3840
Guide Line of MAX. Unbalancing Load	*2	3.0	5.0	5.0	5.0	10.0	10.0
MAX. Work Inertia	Vertical	0.4	0.4	3.2(1.6)	3.2(1.6)	6.4(3.2)	6.4(3.2)
Driving Torque	*3	72(54)	72(54)	192(153)	192(153)	432(345)	432(345)

★\*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 ☞ P.37 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.  
 ★ Please contact us for rotary joint and ultra precision type, please refer P.54 and 53 respectively. ★  $\alpha$ IF4/5000 motor can be mounted on CNC180B.  
 ★  $\alpha$ IF8/4000 motor can be mounted on CNC260B, 302B. ★ The supplied hydraulic pressure is 3.5MPa for hydraulic clamping system.  
 ★ The air-hydraulic booster is available, when the rotary table with hydraulic clamping system is used on the M/C without hydraulic source, please refer ☞ P.55.