

# MANUAL TILTING ROTARY TABLE

- Table can be tilted at 0°~90° manually.
- Indexing is CNC controlled so that it can be adapted to all kinds of machining.



NST300

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

### NST 300 L F A - M

- No Letter: without motor
- M: with motor
- No Letter: DC servo motor
- A: AC servo motor
- Motor Maker  $\Rightarrow$  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
- No Letter: Right hand mounted motor
- L: Left hand mounted motor (Only NST300)
- Diameter of Table
- 250, 300, 500
- NST: Manual tilting table

## ■ Specifications

Item / Code No.		NST250	NST300	NST500
Diameter of Table	$\phi$ mm	250	300	500
Diameter of Spindle Hole	$\phi$ mm	$\phi 60_{H7} \phi 52$	$\phi 60_{H7} \phi 60$	$\phi 75_{H7} \phi 61.5$
Centre Height	mm	155	208	288
Width of T Slot	mm	$12^{+0.018}_0$	$12^{+0.018}_0$	$14^{+0.018}_0$
Clamping System		Air	Air	Air
Clamping Torque	N·m	147	196	196
Table Inertia at Motor Shaft ( $\frac{GD^2}{4}$ )	$\text{kg}\cdot\text{m}^2 \times 10^{-3}$	0.39	0.59	0.69
Servo Motor	$\text{min}^{-1}$	$\alpha$ iF2 / 5000 · 2000	$\alpha$ iF4 / 5000 · 2000	$\alpha$ iF8 / 4000 · 2000
MIN. Increment		0.001°	0.001°	0.001°
Rotation Speed	$\text{min}^{-1}$	16.6	11.1	5.5
Total Reduction Ratio		1/120	1/180	1/360
Indexing Accuracy	sec	20	20	20
Net Weight	kg	75	135	320
MAX. Work Load on the Table	Vertical  kg	50	100	200
	Horizontal  kg	100	300	500
MAX. Thrust Load applicable on the Table	N	17500	31860	75000
	*1  F x L N·m	603	903	2884
	F x L N·m	770	2010	8330
MAX. Work Inertia	Vertical  + ( $\frac{GD^2}{4}$ ) $\text{kg}\cdot\text{m}^2$	1.35	3.37	14.70
Driving Torque	N·m	144	288	1152

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

★ L type (Motor is mounted at left hand side) is available for NST300.

★  $\alpha$ iF8/4000 motor can be mounted on NST300.