

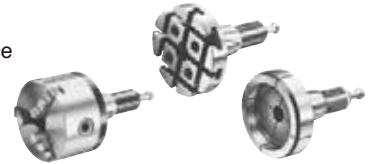
# MULTI-SPINDLE TILTING ROTARY TABLE

**NIKKEN**



5AX-4MT-105

- Tilting rotary table with Multi-Spindle
- Various attachment for fixing work piece
- Ideal for small items and mass-produced parts



— MOTOR MOUNTED —		— FACE PLATE —		— M-SIGNAL METHOD —			
<b>R</b> RIGHT HAND	<b>L</b> LEFT HAND	<b>WITH</b> FACE PLATE	<b>W/O</b> FACE PLATE	<b>α21</b> CTRL P.59	<b>EZ</b> CTRL P.69	<b>ADD. AXIS</b> P.57	<b>ACCURACY SPEC.</b> P.99
<b>ROTARY JOINT</b> P.89	<b>ULTRA PRECISION</b> P.87	<b>SUPPORT TABLE</b> P.79	<b>TAIL STOCK</b> P.81	<b>SCROLL CHUCK</b> P.83	<b>POWER CHUCK</b> P.84	<b>CLAMP DEVICE</b> P.85	<b>T-NUT</b> P.86

## Specifications Multi-Spindle Tilting Rotary Tables are all semi-standard models. Please contact us. ( ) :High Speed type Please contact us.

Item / Code No.		5AX-2MT-105		5AX-4MT-105	
Diameter of Table	φmm	105		105	
Diameter of Spindle Hole	φmm	φ60H7 φ30		φ60H7 φ30	
Number of spindles (Pitch)	mm	120		120	
Center Height (90°)	mm	175		235	
Table Height in Horizontal Position (0°)	mm	250		300	
Width of T Slot	mm	16 <sup>+0.018</sup> <sub>0</sub>		16 <sup>+0.018</sup> <sub>0</sub>	
Axis		Rotary	Tilting (0°~105°)	Rotary	Tilting (-110°~+110°)
Clamping System		Pneumatic*1	Pneumatic*1	Hydraulic	Hydraulic
Clamping Torque	N·m	147	147	147	343
Table Inertia at Motor Shaft	$\frac{GD^2}{4}$ kg·m <sup>2</sup> ×10 <sup>-3</sup>	0.13	0.13	0.2	0.48
Servo Motor	min <sup>-1</sup>	α iF2·3000	α iF2·3000	α iF8·3000	α iF4·3000
MIN. Increment		0.001°	0.001°	0.001°	0.001°
Rotation Speed	min <sup>-1</sup>	33.3	16.6	16.6(44.4)	25.0
Total Reduction Ratio		1/90	1/180	1/180(1/45)	1/120
Indexing Accuracy	sec	±30	60	±45	±30
Net Weight	kg	150		350	
MAX. Work Load on the Table	0° to 30°	15 kg		25 kg	
	30° to 90°	10 kg		15 kg	
MAX. Thrust Load applicable on the Table	Tilting Angle = 0°	3920 N		3920 N	
	Tilting Angle = 0°	L=60mm F <sub>1</sub> =784N		L=60mm F=2858N	
	Tilting Angle = 90°	L <sub>1</sub> =0mm F <sub>1</sub> =653N L <sub>2</sub> =100mm F <sub>2</sub> =490N		L <sub>1</sub> =0mm F <sub>1</sub> =1380N L <sub>2</sub> =100mm F <sub>2</sub> =1040N	
	Tilting Angle = 90°	49 N·m		49 N·m	
MAX. Work Inertia	$\frac{GD^2}{4}$ kg·m <sup>2</sup>	0.014		0.021	
Driving Torque	N·m	36		144	

\*1 Air Intensifying Booster system is available if the supplied air pressure is under 0.5MPa or the brake torque is required to increase. **P.95**

- ★ Min. pitch between spindles 105:120mm. If you need different pitch, please contact us.
- ★ 4 spindle rotary table to suit 2 Spindle M/C is also available, please contact with us.
- ★ Max numbers of spindles 105:4 spindles.

