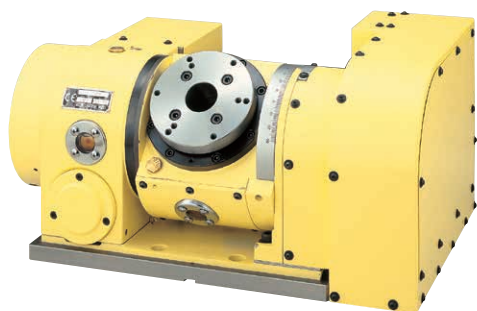


# COMPACT TILTING ROTARY TABLE

**NIKKEN**



5AX-130FA

- Rotary and tilting axes are controlled by CNC
- Various kinds of attachments



Option				Accessories				
<b>ADD. AXIS</b>	<b>ACCURACY SPEC.</b>	<b>ROTARY JOINT</b>	<b>ULTRA PRECISION</b>	<b>TAIL STOCK</b>	<b>SCROLL CHUCK</b>	<b>POWER CHUCK</b>	<b>CLAMP DEVICE</b>	<b>T-NUT</b>
P.57	P.99	P.89	P.87	P.81	P.83	P.84	P.85	P.86

## Specifications

Item / Code No.		5AX-130		5AX-201	
Diameter of Table	φmm	105		200	
Diameter of Spindle Hole	φmm	φ60H7 φ30		φ60H7 φ50	
Center Height (90°)	mm	150		180	
Table Height in Horizontal Position (0°)	mm	220		260	
Width of T Slot	mm	φ10H7 Pin hole		12 <sup>+0.018</sup> <sub>0</sub>	
Axis		Rotary	Tilting (0°~105°)	Rotary	Tilting (0°~105°)
Clamping System		Pneumatic*2	Pneumatic*2	Pneumatic*1*2/ Hydraulic	Pneumatic*1*2/ Hydraulic
Clamping Torque	N·m	205	303	303*1*2/ 588	303*1*2/ 612
Table Inertia at Motor Shaft	( $\frac{GD^2}{4}$ ) kg·m <sup>2</sup> ×10 <sup>-3</sup>	0.09	0.12	0.11	0.16
Servo Motor	r/min	α iF2·3000	α iF2·2000	α iF2·3000	α iS4·2000
MIN. Increment		0.001°	0.001°	0.001°	0.001°
Rotation Speed	r/min	33.3	11.1	33.3	16.6
Total Reduction Ratio		1/90	1/180	1/90	1/120
Indexing Accuracy	sec	±30	60	±15	60
Net Weight	kg	115		160	
MAX. Work Load on the Table	0° to 30°	50		60	
	30° to 90°	25		40	
MAX. Thrust Load applicable on the Table	Tilting Angle = 0°	5880		9800	
	Tilting Angle = 0°	L=65mm F=2940N		L=100mm F=4900N	
	Tilting Angle = 90°	L <sub>1</sub> =0mm F <sub>1</sub> =3460N L <sub>2</sub> =100mm F <sub>2</sub> =1590N		L <sub>1</sub> =0mm F <sub>1</sub> =5880N L <sub>2</sub> =100mm F <sub>2</sub> =2940N	
	Tilting Angle = 90°	98		382	
MAX. Work Inertia	( $\frac{GD^2}{4}$ ) kg·m <sup>2</sup>	0.12		0.5	
Driving Torque	N·m	72		72	

\*1 Air brake system is also available for 5AX-201.

\*2 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

★Location of tilting axis motor can be changed as an option. e.g. 5AX-130B.