

MULTI-SPINDLE TILTING ROTARY TABLE

NIKKEN











5AX-4MT-105-120


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



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

Specifications Multi-Spindle Tilting Rotary Tables are all semi-standard models. Please contact us.

Item / Code No.		5AX-2MT-105-120		5AX-4MT-105-120	
Diameter of Table	φmm	105		105	
Diameter of Spindle Hole	φmm	φ60 _{H7} φ30		φ60 _{H7} φ30	
Number of spindles (Pitch)	mm	2 spindles (120)		4 spindles (120)	
Center Height (90°)	mm	175		235	
Table Height in Horizontal Position (0°)	mm	250		300	
Width of T Slot	mm	16 ^{+0.018} ₀		16 ^{+0.018} ₀	
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 ² ×10 ⁻³	0.13	0.13	0.2	0.48
Servo Motor	r/min	α iF2·3000	α iF2·2000	α iF8·3000	α iF4·2000
MIN. Increment		0.001°	0.001°	0.001°	0.001°
Rotation Speed	r/min	33.3	11.1	16.6	16.6
Total Reduction Ratio		1/90	1/180	1/180	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 ₁ =784N		L=60mm F=2858N	
	Tilting Angle = 90° 	L ₁ =0mm F ₁ =653N L ₂ =100mm F ₂ =490N		L ₁ =0mm F ₁ =1380N L ₂ =100mm F ₂ =1040N	
	Tilting Angle = 90° 	49 F×L N·m		49	
MAX. Work Inertia	 ($\frac{GD^2}{4}$) kg·m ²	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: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:4 spindles.

