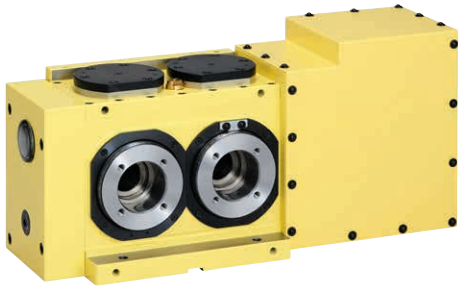
MULTI-SPINDLE CNC ROTARY TABLE

NIKKEN



CNC100-2W

- Multi-Spindle (2, 3 & 4 spindles) CNC rotary table series for rationalization of machining of small size work pieces (ϕ3～100mm)
- Max. number of spindles CNC100 : 4 spindles, CNC180 : 4 spindles, CNC202 : 4 spindles, CNC260 : 2 spindles. Please contact us
- Ideal for small items and mass-produced parts

Option: ADD. AXIS P.57 | ACCURACY SPEC. P.99 | ROTARY JOINT P.89 | ULTRA PRECISIO P.87

Accessories: SUPPORT TABLE P.79 | TAIL STOCK P.81 | SCROLL CHUCK P.83 | POWER CHUCK P.84 | CLAMP DEVICE P.85 | T-NUT P.86

Specifications

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

Item / Code No.		CNC100-2W,-3W,-4W			CNC180-2W	CNC202-2W	CNC260-2W
Diameter of Table	ϕmm	105			180	200	260
Diameter of Spindle Hole	ϕmm	60H7 30			60H7 40	60H7 40	80H7
Number of spindles (Pitch)	mm	2,3,4×120			2×250	2×250	2×350
Center Height	mm	105			175	175	220
Width of T Slot	mm	$16^{+0.018}_{0}$			$12^{+0.018}_{0}$	$12^{+0.018}_{0}$	$12^{+0.018}_{0}$
Clamping System		Pneumatic*3			Pneumatic*3	Pneumatic*3	Pneumatic*3 / Hydraulic
Clamping Torque	N·m	147			303	303	588／1568
Table Inertia at Motor Shaft	$(\frac{GD^2}{4})$ kg·m²×10⁻³	0.13	0.16	0.2	0.12	0.13	0.7
Servo Motor	r/min	αiF2・2000(αiS4・2000)		αiF4・2000	αiF4・2000	αiF8・2000	αiF8・2000
MIN. Increment		0.001°			0.001°	0.001°	0.001°
Rotation Speed	r/min	11.1(44.4)			22.2	22.2	16.6
Total Reduction Ratio		1/180(1/45)			1/90	1/90	1/120
Indexing Accuracy	sec	±30		±45	±20	±20	20
Net Weight	kg	70	90	120	115	120	320
MAX. Work Load on the Table	Vertical kg	15			100	100	175
	Horizontal kg	30			200	200	350
MAX. Thrust Load applicable on the Table	N	3920			18000	18000	42480
	*1 F×L N·m	275			542	542	1442
	F×L N·m	98			690	690	2320
MAX. Work Inertia	Vertical $(\frac{GD^2}{4})$ kg·m²	0.019 (0.07Horizontal)			0.5	0.5	1.9
Driving Torque	*2 N·m	72			72	144	192

*1 This is the strength of the worm wheel without brake. It is applied against dynamic cutting thrust.
*2 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.
*3 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 CNC100 : 120mm, CNC180 : 250mm, CNC202 : 250mm, CNC260 : 320mm. Please contact us when the different pitch is required.
★ 4 spindles table to suit 2 spindles M/C is available.
★ 5 or 6 spindles CNC rotary table is also available.