

NC Rotary Tables for Grinding Centres

Patent pending

- Ideal for polishing, glass, and ceramic processing
- Double seals and air purge prevent particle ingress.

Durable for use in dusty environments

Applicable NC rotary table models

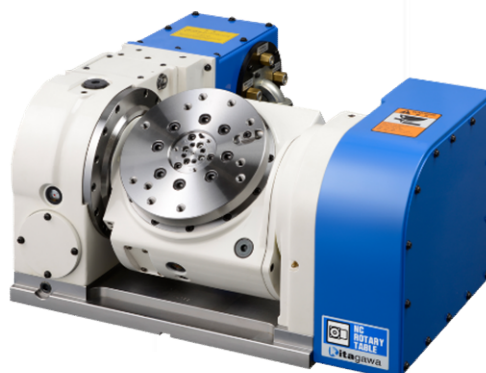
• MK200, 250, 400



• RK201



• TT200



• RKT501



Note: The table face plate is not included as standard with the NC rotary table for grinding centres.

The product has passed a 1 million cycle* durability test in a slurry containing silicon carbide and alumina.

*A cycle comprises four 180° rotations: two clockwise and two counterclockwise.



This image shows an in-house product test and does not guarantee suitability for underwater use.

A comparison of the lubricant conditions inside NC rotary tables

Standard NC rotary table

Turbid due to particle contamination



NC rotary table for grinding centers

Clean and free of impurities



The specifications of NC rotary tables for grinding centres are broadly comparable to those of standard NC rotary tables.

Comparison of specifications

		Clamping torque	Allowable load		Max. rotation speed (additional axis spec.)	Body thickness	Mass
			Horizontal	Vertical			
			N·m	kg	kg		
MK200	Grinding centre NC rotary table	530	200	100	33.3	165	63
	Standard NC rotary table	570				155	60
MK250	Grinding centre NC rotary table	960	250	125	33.3	170	99
	Standard NC rotary table	1000				164	95
MK400	Grinding centre NC rotary table	6000	700	350	11.1	245	370
	Standard NC rotary table					250	350
RK201	Grinding centre NC rotary table	340	120	60	100	172	70
	Standard NC rotary table					160	68

		Clamping torque		Allowable load		Max. rotation speed (additional axis spec.)		Table face height (horizontal)	Mass
		Rotating axis	Tilting axis	Horizontal	Vertical	Rotating axis	Tilting axis		
		N·m	N·m	kg	kg	min ⁻¹	min ⁻¹	mm	kg
TT200	Grinding centre NC rotary table	600	1200	60	40	33.3	16.6	240	179
	Standard NC rotary table							250	170
RKT501	Grinding centre NC rotary table	600	740	100	100	^{* 3} 80 (75)	^{* 4} 70 (50)	300	295
	Standard NC rotary table					290	285		

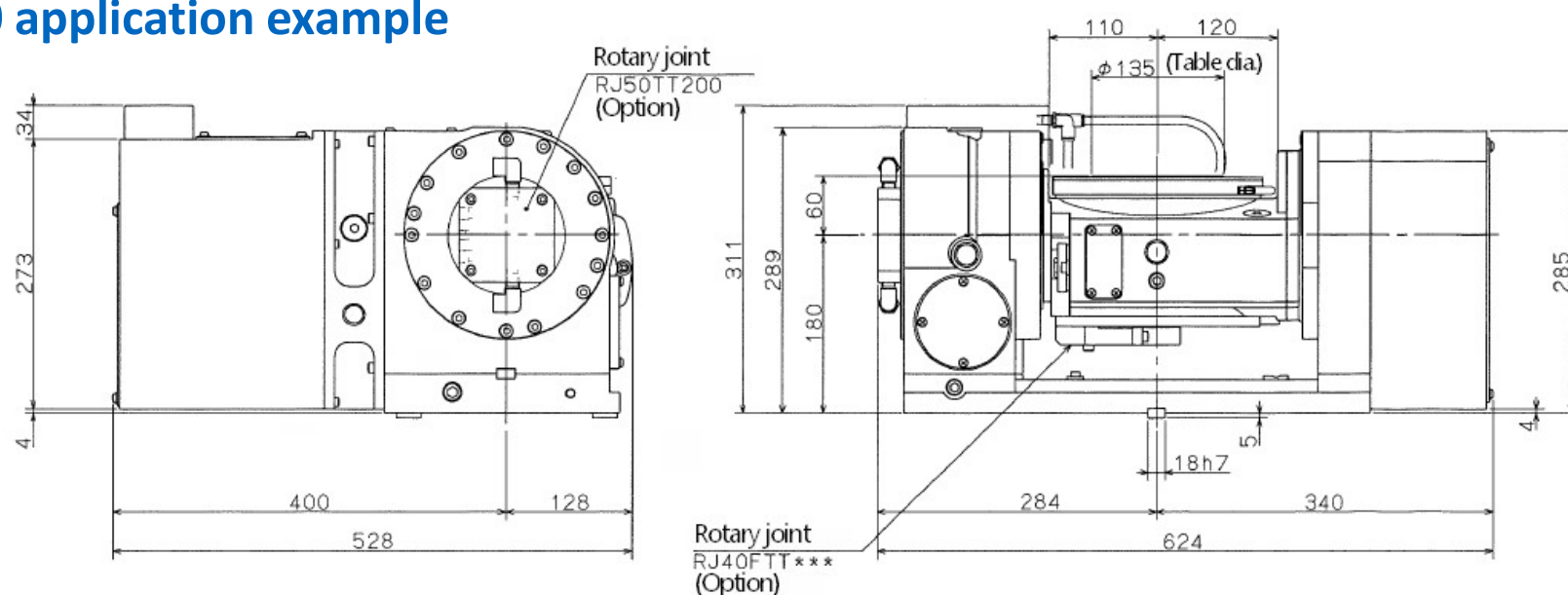
Note 1: The grinding centre NC rotary table does not include a table face plate as standard.

Note 2: The clamping torque is based on 3.5 MPa hydraulic pressure for the MK400, and 0.5 MPa pneumatic pressure for the other models.

Note 3: The allowable rotation speed (* 3) of the RKT501 rotary axis applies when the workpiece eccentric torque is 50 N·m or greater.

Note 4: The allowable rotation speed (* 4) of the RKT501 rotary axis applies when the workpiece mass is 50 kg or greater.

TT200 application example



Kitagawa product technical information is available on the Kitagawa Web Showroom.

<https://prod.kiw.co.jp/exhibition/mttools/en/>



kitagawa

<https://www.kiw.co.jp> <https://www.kitagawa.com> <https://www.kitagawa.com.cn>

Kitagawa Corporation

Kitagawa Global hand Company

77-1 Motomachi, Fuchu-shi, Hiroshima 726-8610, Japan

Tel.: +81 847-40-0561

WHS WORKHOLDING SOLUTIONS

● Product specifications and appearance are subject to change without notice due to ongoing research and development.

● The colour of the actual product may differ slightly from that shown in this catalogue due to printing processes.

● Catalogue information is current as of October 2026.

● The products listed in this document are subject to control under Japan's Foreign Exchange and Foreign Trade Act. Before importing or exporting these products, please consult Kitagawa and the relevant authorities in your country regarding applicable regulations.