

COMPACT & HIGH PERFORMANCE

Powerful clamping force combined with high indexing accuracy.

Large bore diameters. The Kitagawa NC Rotary tables are designed to flexibly respond to various machining needs. Kitagawa introduces you to the excellent high performance, precision and user-friendly operation to meet your highest requirements.

MR SERIES Minimum and compact design

MR120/MR160/MR200/MR250/MR320

- Achieve the powerful clamping torque, high speed and high indexing accuracy with new clamping system, and best performance with compact design in its class.

Model	Table dia (mm)	Center height (mm)	Max. Work massing		Clamping torque N·m		Indexing accuracy (sec)
			Vertical usage	Horizontal usage			
MR120	φ128	120	60	120	150	±10	
MR160	φ165	140	80	160	310	±10	
MR200	φ202	140	100	200	350	±10	
MR250	φ250	180	125	250	600	±10	
MR320	φ320	225	180	350	1200	±10	



TMX/TR SERIES Type for vertical and horizontal use

TMX160/TL170/TMX200/TMX250/TR320/TR400/TR500/TR630

- Due to the large thru-hole and big shaft works are acceptable.

Model	Table dia (mm)	Center height (mm)	Max. Work massing		Clamping torque N·m		Indexing accuracy (sec)
			Vertical usage	Horizontal usage			
TMX160	φ160	120	80	160	160	±10	
TL170	φ170	135	80	160	150	±10	
TMX200	φ200	140	100	200	300	±10	
TMX250	φ250	180	125	250	450	±10	
TR320	φ320	225	180	350	900	±10	
TR400	φ400	225	250	500	2500	±10	
TR500	φ500	310	300	600	3200	±10	
TR630	φ630	400	400	1000	4000	±10	



TT SERIES Tilting type

TT(s)100/TT(s)120/TT(s)181/TT(s)251/TT(s)320

- Compact body in the same class.

Model	Table dia (mm)	Center height (mm)	Max. Work massing		Clamping torque N·m		Indexing accuracy (sec)	
			Rotating axis	Tilting axis	Rotating axis	Tilting axis	Rotating axis	Tilting axis
TT100	φ110	135	35	20	180	300	±15	±30
TT(s)120	φ125	150	35	20	120	200	±15	±30
TT(s)181	φ180	180	60	40	350	400	±10	±30
TT(s)251	φ250	225	100	60	900	1200	±10	±22.5
TT(s)320	φ320	255	150	100	1600	2000	±10	±22.5



INNOVATIVE NC INDEXING TECHNOLOGY INCREASES RELIABILITY

Rigid Design

Kitagawa's original cross roller bearings have been improved to eliminate radial and thrust play. This increases table rigidity under machining load.

Improved Durability

New material specification for the worm wheel has dramatically increased wear resistance and significantly improved impact resistance.

Increased Stability

A larger worm gear module with increased diameter improves worm and wheel contact virtually eliminating backlash.

Powerful Clamping Force

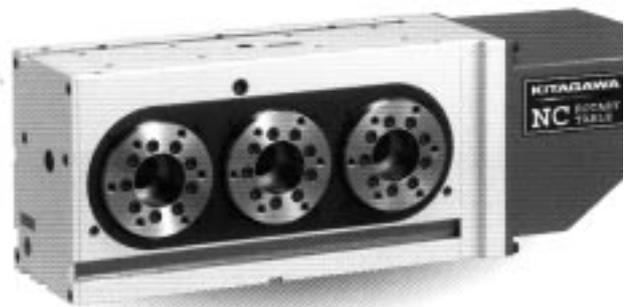
Double normal clamping force is achieved by using a double cylinder disc mechanism, allowing higher machining torque.

TM2.3 SERIES Mono-block Compact design

TM2100/TM3100/TM2160/TM3160

- Multi-spindle for a large number of works
Mono-block body & compact design.
- Best matching for tapping machines with high speed rotation.

Model	Table dia (mm)	Center height (mm)	Max. Work mass (kg)		Clamping torque N·m	Indexing accuracy (sec)
			Vertical usage	Horizontal usage		
TM2100	φ105	110	30	60	117	±30
TM3100	φ105	110	30	60	117	±30
TM2160	φ165	140	80	160	176	±15
TM3160	φ165	140	80	160	176	±15

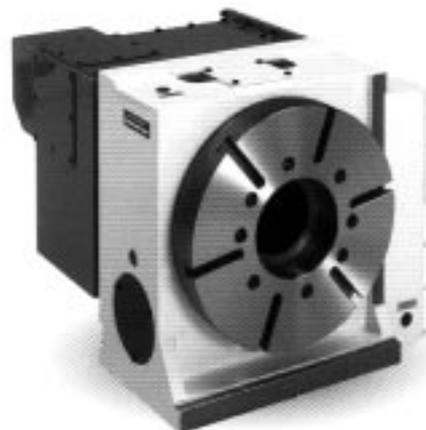


TB SERIES Back motor type

TB160/TB200/TB250/TB320

- Suitable for machining centers with narrow work tables.
- The large thru-hole size of the table maximizes the bar/shaft acceptability.

Model	Table dia (mm)	Center height (mm)	Max. Work mass (kg)		Clamping torque N·m	Indexing accuracy (sec)
			Vertical usage	Horizontal usage		
TB160	φ160	120	80	-	160	±10
TB200	φ200	140	140	-	300	±10
TB250	φ250	180	180	-	450	±10
TB320	φ320	225	225	-	900	±10



TU SERIES Top-Motor type

TU200/TU251/TU320

- Suitable for a 5 axis-complex machining.

Model	Table dia (mm)	Center height (mm)	Max. Work mass (kg)		Clamping torque N·m	Indexing accuracy (sec)
			Vertical usage	Horizontal usage		
TU200	φ200	140	100	-	300	±10
TU251	φ250	180	125	-	450	±10
TU320	φ320	225	180	-	900	±10

