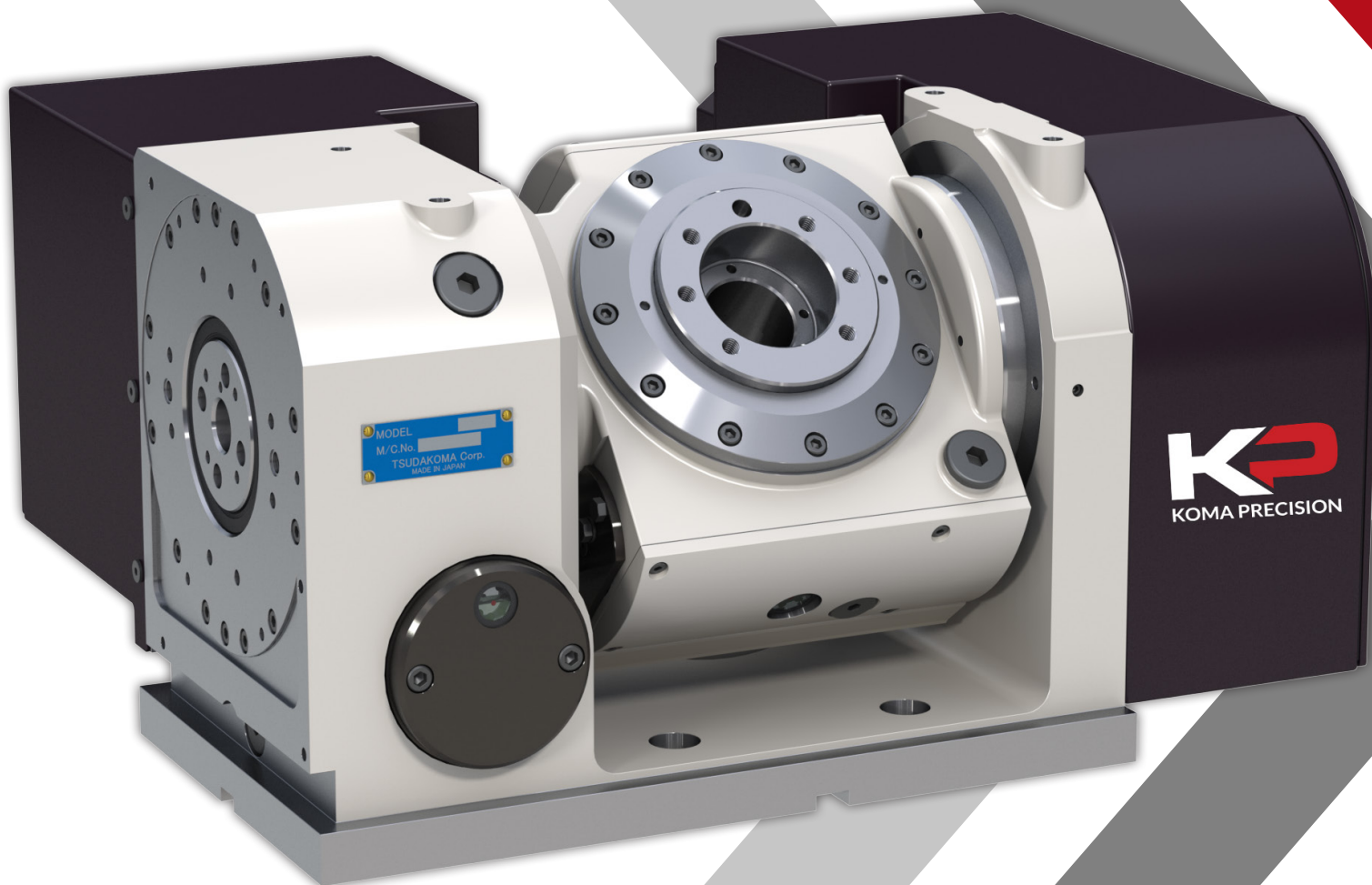




**TOYODA**



# TSUDAKOMA

## Rotary Table

### Selection Guide

## KOMA PRECISION

For over thirty-five years Koma Precision has been the foremost source for the finest the world has to offer in machine tool Productivity Innovation.

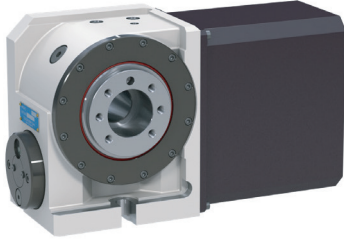
With over 30,000 rotary table installations, Koma is the largest distributor of Tsudakoma NC rotary tables and indexers in the world. With over 12,000 angle heads and live tools installed, Koma is the world's largest supplier for Alberti - the originator and the foremost innovator of productivity tooling.



# ROTARY TABLES



**RWE SERIES**



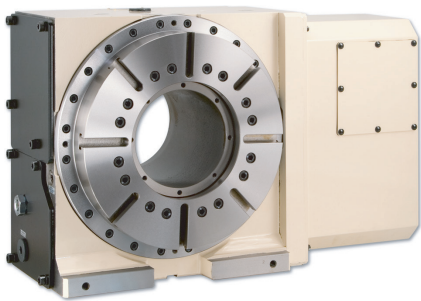
**RWA SERIES**



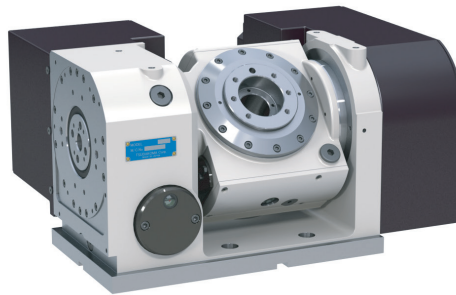
**RBS SERIES**



**RWB SERIES**



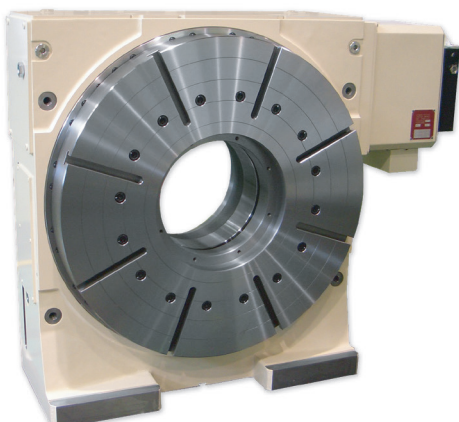
**RCB SERIES**



**TWA Series**



**TBS SERIES**



**RCV SERIES**



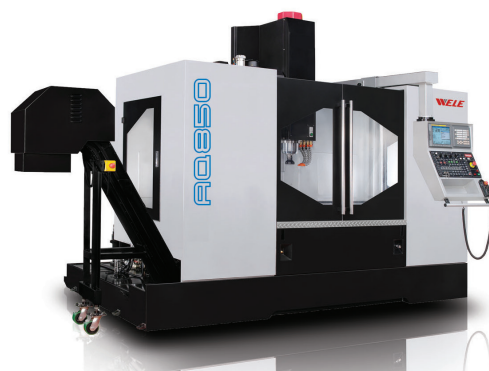
**RNCK SERIES**



**RWB-K-2 SERIES**



| AQ850      |         |         |         |         |
|------------|---------|---------|---------|---------|
| RWE SERIES | RWE-160 | RWE-200 |         |         |
| RWA SERIES | RWA-160 | RWA-200 | RWA-250 | RWA-320 |
| RBS SERIES | RBS-160 | RBS-250 |         |         |
| TWA SERIES | TWA-130 | TWA-160 | TWA-200 |         |
| TBS SERIES | TBS-130 | TBS-160 |         |         |
| AQ1050     |         |         |         |         |
| RWE SERIES | RWE-160 | RWE-200 |         |         |
| RWA SERIES | RWA-160 | RWA-200 | RWA-250 | RWA-320 |
| RBS SERIES | RBS-160 | RBS-250 |         |         |
| TWA SERIES | TWA-130 | TWA-160 | TWA-200 |         |
| TBS SERIES | TBS-130 | TBS-160 |         |         |
| AQ1265     |         |         |         |         |
| RWE SERIES | RWE-160 | RWE-200 |         |         |
| RWA SERIES | RWA-160 | RWA-200 | RWA-250 | RWA-320 |
| RBS SERIES | RBS-160 | RBS-250 |         |         |
| TWA SERIES | TWA-130 | TWA-160 | TWA-200 | TN-320  |
| TBS SERIES | TBS-130 | TBS-160 |         |         |
| RWB SERIES | RWB-320 |         |         |         |
| RCB SERIES | RCB-350 |         |         |         |
| AQ1465     |         |         |         |         |
| RWE SERIES | RWE-160 | RWE-200 |         |         |
| RWA SERIES | RWA-160 | RWA-200 | RWA-250 | RWA-320 |
| RBS SERIES | RBS-160 | RBS-250 |         |         |
| TWA SERIES | TWA-130 | TWA-160 | TWA-200 | TN-320  |
| TBS SERIES | TBS-130 | TBS-160 |         |         |
| RWB SERIES | RWB-320 |         |         |         |
| RCB SERIES | RCB-350 |         |         |         |



**AQ850**

| FV965             |         |         |         |         |
|-------------------|---------|---------|---------|---------|
| <b>RWE SERIES</b> | RWE-160 | RWE-200 |         |         |
| <b>RWA SERIES</b> | RWA-160 | RWA-200 | RWA-250 | RWA-320 |
| <b>RBS SERIES</b> | RBS-160 | RBS-250 |         |         |
| <b>TWA SERIES</b> | TWA-130 | TWA-160 | TWA-200 |         |
| <b>TBS SERIES</b> | TBS-130 | TBS-160 |         |         |
| FV1165            |         |         |         |         |
| <b>RWE SERIES</b> | RWE-160 | RWE-200 |         |         |
| <b>RWA SERIES</b> | RWA-160 | RWA-200 | RWA-250 | RWA-320 |
| <b>RBS SERIES</b> | RBS-160 | RBS-250 |         |         |
| <b>TWA SERIES</b> | TWA-130 | TWA-160 | TWA-200 |         |
| <b>TBS SERIES</b> | TBS-130 | TBS-160 |         |         |
| FV1365            |         |         |         |         |
| <b>RWE SERIES</b> | RWE-160 | RWE-200 |         |         |
| <b>RWA SERIES</b> | RWA-160 | RWA-200 | RWA-250 | RWA-320 |
| <b>RBS SERIES</b> | RBS-160 | RBS-250 |         |         |
| <b>TWA SERIES</b> | TWA-130 | TWA-160 | TWA-200 | TN-320  |
| <b>TBS SERIES</b> | TBS-130 | TBS-160 |         |         |
| <b>RWB SERIES</b> | RWB-320 |         |         |         |
| FV1565            |         |         |         |         |
| <b>RWE SERIES</b> | RWE-160 | RWE-200 |         |         |
| <b>RWA SERIES</b> | RWA-160 | RWA-200 | RWA-250 | RWA-320 |
| <b>RBS SERIES</b> | RBS-160 | RBS-250 |         |         |
| <b>TWA SERIES</b> | TWA-130 | TWA-160 | TWA-200 | TN-320  |
| <b>TBS SERIES</b> | TBS-130 | TBS-160 |         |         |
| <b>RWB SERIES</b> | RWB-320 |         |         |         |

**FV965**

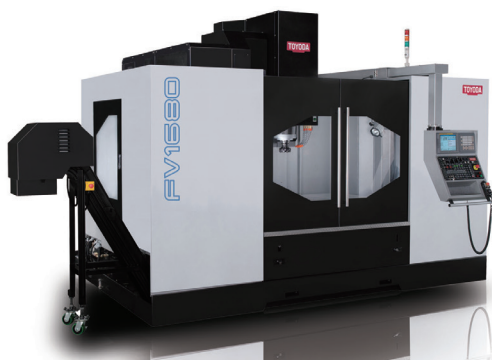


**FV1165**

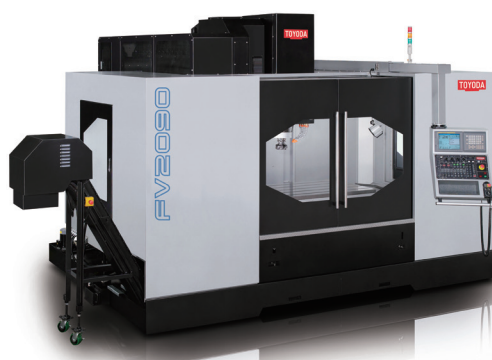


| FV1480      |          |         |         |         |
|-------------|----------|---------|---------|---------|
| RWE SERIES  | RWE-160  | RWE-200 |         |         |
| RWA SERIES  | RWA-160  | RWA-200 | RWA-250 | RWA-320 |
| RBS SERIES  | RBS-160  | RBS-250 |         |         |
| TWA SERIES  | TWA-130  | TWA-160 | TWA-200 | TN-320  |
| TBS SERIES  | TBS-130  | TBS-160 |         |         |
| RWB SERIES  | RWB-320  | RWB-400 |         |         |
| FV1680      |          |         |         |         |
| RWE SERIES  | RWE-160  | RWE-200 |         |         |
| RWA SERIES  | RWA-160  | RWA-200 | RWA-250 | RWA-320 |
| RBS SERIES  | RBS-160  | RBS-250 |         |         |
| TWA SERIES  | TWA-130  | TWA-160 | TWA-200 | TN-320  |
| TBS SERIES  | TBS-130  | TBS-160 |         |         |
| RWB SERIES  | RWB-320  | RWB-400 |         |         |
| FV1890      |          |         |         |         |
| RWE SERIES  | RWE-160  | RWE-200 |         |         |
| RWA SERIES  | RWA-160  | RWA-200 | RWA-250 | RWA-320 |
| RBS SERIES  | RBS-160  | RBS-250 |         |         |
| TWA SERIES  | TWA-130  | TWA-160 | TWA-200 | TN-320  |
| TBS SERIES  | TBS-130  | TBS-160 |         |         |
| RWB SERIES  | RWB-320  | RWB-400 |         |         |
| FV2090      |          |         |         |         |
| RWE SERIES  | RWE-160  | RWE-200 |         |         |
| RWA SERIES  | RWA-160  | RWA-200 | RWA-250 | RWA-320 |
| RBS SERIES  | RBS-160  | RBS-250 |         |         |
| TWA SERIES  | TWA-130  | TWA-160 | TWA-200 | TN-320  |
| TBS SERIES  | TBS-130  | TBS-160 |         |         |
| RWB SERIES  | RWB-320  | RWB-400 | RWB-500 |         |
| RNCM SERIES | RNCM-631 |         |         |         |

FV1680



FV2090



# STEALTH SERIES



| STEALTH 965       |         |         |         |         |
|-------------------|---------|---------|---------|---------|
| <b>RWE SERIES</b> | RWE-160 | RWE-200 |         |         |
| <b>RWA SERIES</b> | RWA-160 | RWA-200 | RWA-250 | RWA-320 |
| <b>RBS SERIES</b> | RBS-160 | RBS-250 |         |         |
| <b>TWA SERIES</b> | TWA-130 | TWA-160 | TWA-200 |         |
| <b>TBS SERIES</b> | TBS-130 | TBS-160 |         |         |
| STEALTH 1165      |         |         |         |         |
| <b>RWE SERIES</b> | RWE-160 | RWE-200 |         |         |
| <b>RWA SERIES</b> | RWA-160 | RWA-200 | RWA-250 | RWA-320 |
| <b>RBS SERIES</b> | RBS-160 | RBS-250 |         |         |
| <b>TWA SERIES</b> | TWA-130 | TWA-160 | TWA-200 |         |
| <b>TBS SERIES</b> | TBS-130 | TBS-160 |         |         |
| STEALTH 1365      |         |         |         |         |
| <b>RWE SERIES</b> | RWE-160 | RWE-200 |         |         |
| <b>RWA SERIES</b> | RWA-160 | RWA-200 | RWA-250 | RWA-320 |
| <b>RBS SERIES</b> | RBS-160 | RBS-250 |         |         |
| <b>TWA SERIES</b> | TWA-130 | TWA-160 | TWA-200 |         |
| <b>TBS SERIES</b> | TBS-130 | TBS-160 |         |         |
| STEALTH 1565      |         |         |         |         |
| <b>RWE SERIES</b> | RWE-160 | RWE-200 |         |         |
| <b>RWA SERIES</b> | RWA-160 | RWA-200 | RWA-250 | RWA-320 |
| <b>RBS SERIES</b> | RBS-160 | RBS-250 |         |         |
| <b>TWA SERIES</b> | TWA-130 | TWA-160 | TWA-200 | TN-320  |
| <b>TBS SERIES</b> | TBS-130 | TBS-160 |         |         |
| STEALTH VQ 1060   |         |         |         |         |
| <b>RWE SERIES</b> | RWE-160 | RWE-200 |         |         |
| <b>RWA SERIES</b> | RWA-160 | RWA-200 | RWA-250 | RWA-320 |
| <b>RBS SERIES</b> | RBS-160 | RBS-250 |         |         |
| <b>TWA SERIES</b> | TWA-130 | TWA-160 | TWA-200 |         |
| <b>TBS SERIES</b> | TBS-130 | TBS-160 |         |         |

## STEALTH 1565





**SB216**



**LB421**

## RB 212

|                    |          |         |         |
|--------------------|----------|---------|---------|
| <b>RCB SERIES</b>  | RCB-350  | RCB-450 | RCB-550 |
| <b>RWB SERIES</b>  | RWB-500  |         |         |
| <b>RNCM SERIES</b> | RNCM-631 |         |         |
| <b>RCV SERIES</b>  | RCV-800R |         |         |
| <b>TWA SERIES</b>  | TN-320   |         |         |

## RB 312

|                    |          |         |         |
|--------------------|----------|---------|---------|
| <b>RCB SERIES</b>  | RCB-350  | RCB-450 | RCB-550 |
| <b>RWB SERIES</b>  | RWB-500  |         |         |
| <b>RNCM SERIES</b> | RNCM-631 |         |         |
| <b>RCV SERIES</b>  | RCV-800R |         |         |
| <b>TWA SERIES</b>  | TN-320   |         |         |

## SB 216 | SB 316 | SB 416

|                    |          |         |         |
|--------------------|----------|---------|---------|
| <b>RCB SERIES</b>  | RCB-350  | RCB-450 | RCB-550 |
| <b>RWB SERIES</b>  | RWB-500  |         |         |
| <b>RNCM SERIES</b> | RNCM-631 |         |         |
| <b>RCV SERIES</b>  | RCV-800R |         |         |
| <b>TWA SERIES</b>  | TN-320   |         |         |

## LB 321 | LB 421 | LB 521

|                    |          |         |         |
|--------------------|----------|---------|---------|
| <b>RCB SERIES</b>  | RCB-350  | RCB-450 | RCB-550 |
| <b>RWB SERIES</b>  | RWB-500  |         |         |
| <b>RNCM SERIES</b> | RNCM-631 |         |         |
| <b>RCV SERIES</b>  | RCV-800R |         |         |
| <b>TWA SERIES</b>  | TN-320   |         |         |

## LB 325 | LB 425 | LB 525 | LB 625

|                    |          |         |         |
|--------------------|----------|---------|---------|
| <b>RCB SERIES</b>  | RCB-350  | RCB-450 | RCB-550 |
| <b>RWB SERIES</b>  | RWB-500  |         |         |
| <b>RNCM SERIES</b> | RNCM-631 |         |         |
| <b>RCV SERIES</b>  | RCV-800R |         |         |
| <b>TWA SERIES</b>  | TN-320   |         |         |

## LB 433 | LB 533 | LB 633

|                    |          |         |         |
|--------------------|----------|---------|---------|
| <b>RCB SERIES</b>  | RCB-350  | RCB-450 | RCB-550 |
| <b>RWB SERIES</b>  | RWB-500  |         |         |
| <b>RNCM SERIES</b> | RNCM-631 |         |         |
| <b>RCV SERIES</b>  | RCV-800R |         |         |
| <b>TWA SERIES</b>  | TN-320   |         |         |



# FH-J / FH-S SERIES



| FH 400J   FH 450J |            |            |          |
|-------------------|------------|------------|----------|
| RWB-K SERIES      | RWB-250K   | RWB-320K   |          |
| RWB-K2 SERIES     | RWB-250K-2 | RWB-320K-2 |          |
| FH 500J           |            |            |          |
| RWB-K SERIES      | RWB-250K   | RWB-320K   | RWB-400K |
| RWB-K2 SERIES     | RWB-250K-2 | RWB-320K-2 |          |
| FH 450S           |            |            |          |
| RWB-K SERIES      | RWB-250K   | RWB-320K   |          |
| RWB-K2 SERIES     | RWB-250K-2 | RWB-320K-2 |          |
| FH 550S           |            |            |          |
| RWB-K SERIES      | RWB-250K   | RWB-320K   | RWB-400K |
| RWB-K2 SERIES     | RWB-250K-2 | RWB-320K-2 |          |



**FH 450J**

| FH 550SX      |            |            |          |
|---------------|------------|------------|----------|
| RWB-K SERIES  | RWB-250K   | RWB-320K   | RWB-400K |
| RWB-K2 SERIES | RWB-250K-2 | RWB-320K-2 |          |
| FH 630SX-i    |            |            |          |
| RWB-K SERIES  | RWB-320K   | RWB-400K   | RWB-500K |
| RWB-K2 SERIES | RWB-320K-2 | RWB-400K-2 |          |
| FH 800SX-i    |            |            |          |
| RWB-K SERIES  | RWB-400K   | RWB-500K   |          |
| RWB-K2 SERIES | RWB-400K-2 |            |          |
| RNCK SERIES   | RNCK-631   |            |          |
| FH 1250SX     |            |            |          |
| RWB-K SERIES  | RWB-500K   |            |          |
| RCV-K SERIES  | RCV-800K   | RCV-1000K  |          |
| RNCK SERIES   | RNCK-631   |            |          |

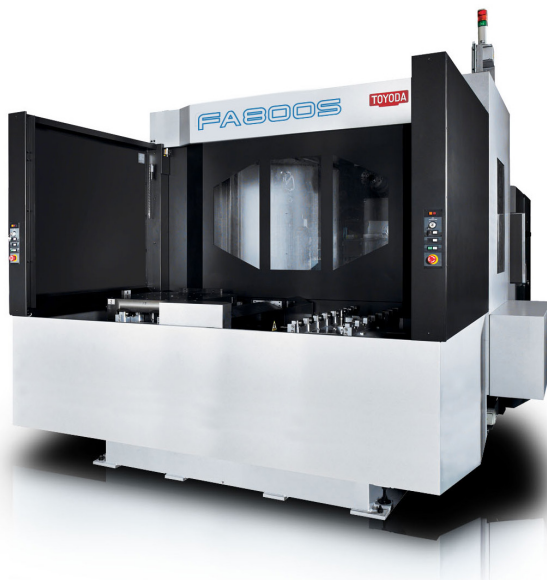
**FH 630SX-i**



# FA/FH-SW SERIES



| FA 800S       |            |           |
|---------------|------------|-----------|
| RWB-K SERIES  | RWB-400K   | RWB-500K  |
| RWB-K2 SERIES | RWB-400K-2 |           |
| RNCK SERIES   | RNCK-631   |           |
| FA 1050S      |            |           |
| RWB-K SERIES  | RWB-500K   |           |
| RNCK SERIES   | RNCK-631   |           |
| RCV-K SERIES  | RCV-800K   | RCV-1000K |
| FH 1250SW     |            |           |
| RWB-K SERIES  | RWB-500K   |           |
| RNCK SERIES   | RNCK-631   |           |
| RCV-K SERIES  | RCV-800K   | RCV-1000K |

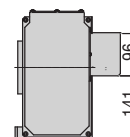
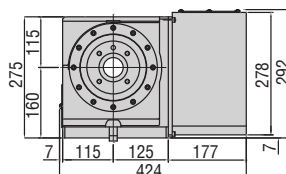
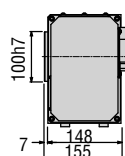
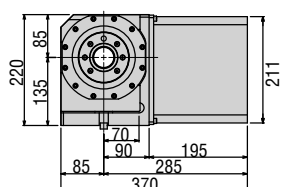


**FA 800S**

## RWA, RWB, RWE & RBS-Series ROTARY TABLE DIMENSIONS

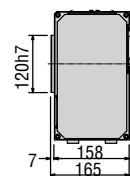
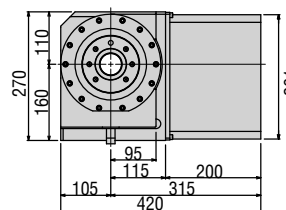
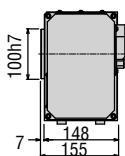
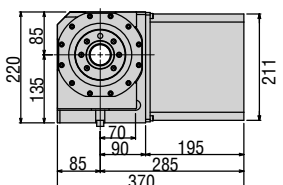
(Drawings Not To Scale)

**RWE-160R**



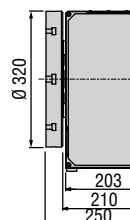
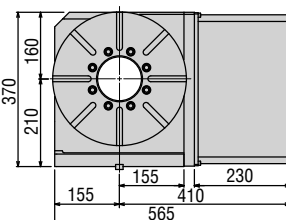
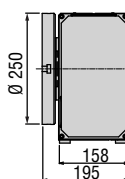
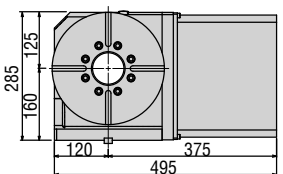
**RWE-200R**

**RWA-160R**



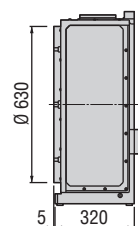
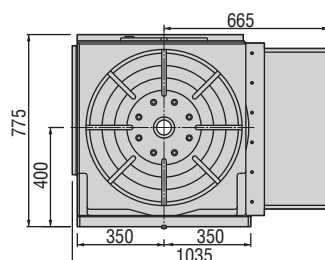
**RWA-200R**

**RWA-250R**

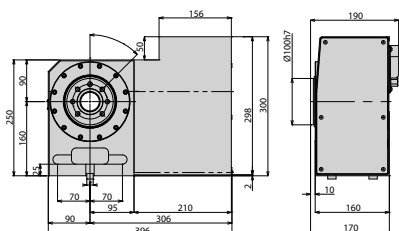


**RWA-320R**

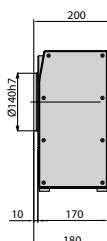
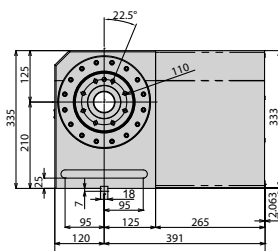
**RNCM-631R**



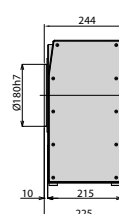
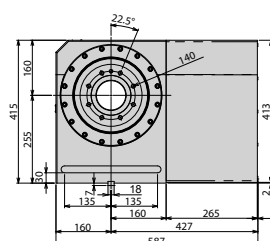
**RBS-160**



**RBS-250**



**RBS-320**



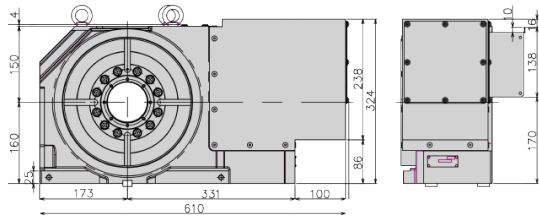
# ROTARY TABLE DIMENSIONS



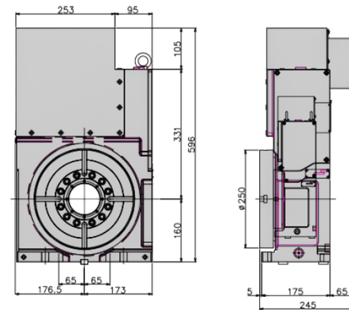
## RWB & RWB,K-Series ROTARY TABLE DIMENSIONS

(Drawings Not To Scale)

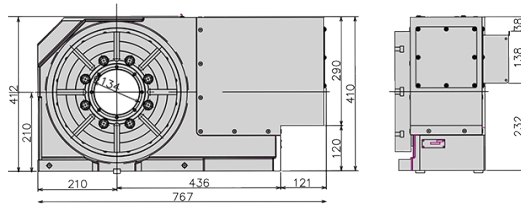
**RWB-250**



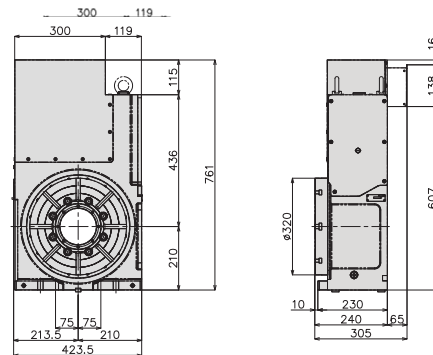
**RWB-250K**



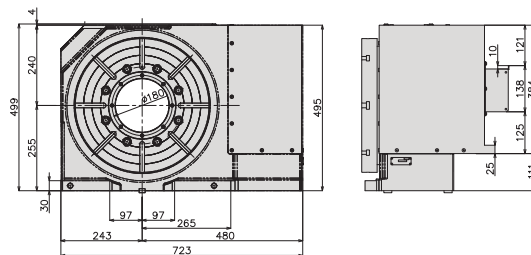
**RWB-320**



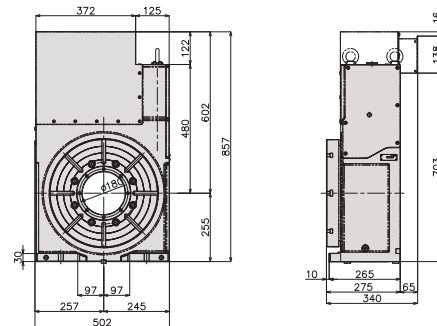
**RWB-320K**



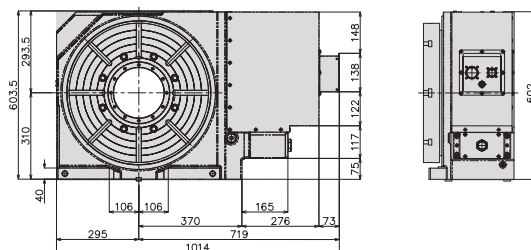
**RWB-400**



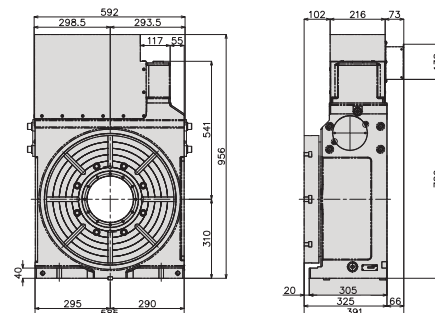
**RWB-400K**



**RWB-500**



**RWB-500K**



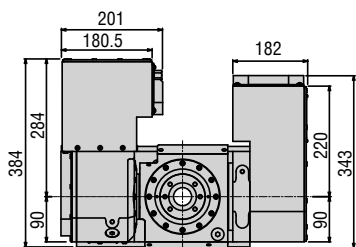
Please contact Koma Precision to confirm Toyoda / Tsudakoma Rotary Table working envelope.

[www.komaprecision.com](http://www.komaprecision.com) • [info@komaprecision.com](mailto:info@komaprecision.com) • 1-800-249-5662

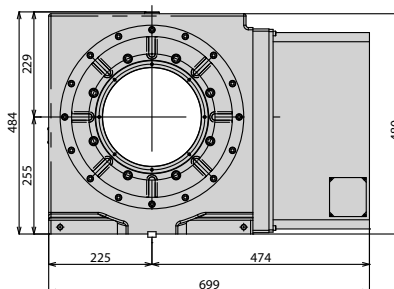
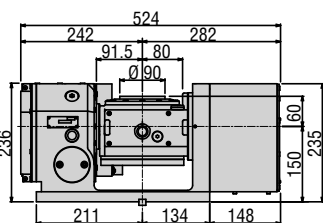


## TWA, TBS & RCB-Series ROTARY TABLE DIMENSIONS

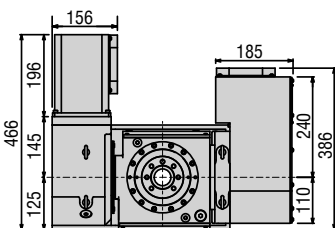
(Drawings Not To Scale)



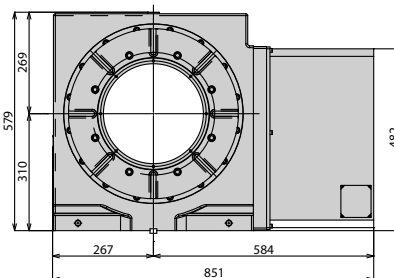
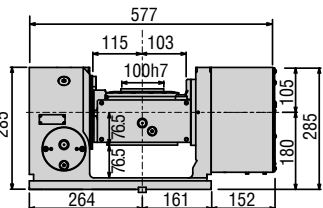
**TWA-130**



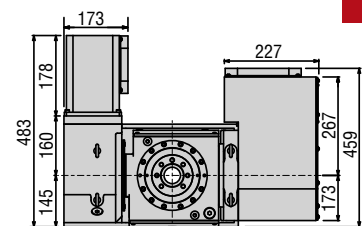
**RCB-350**



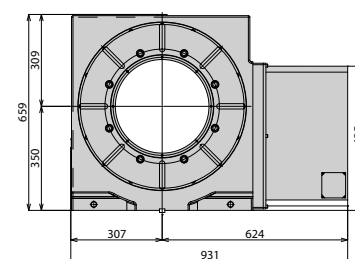
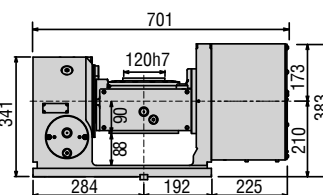
**TWA-160**



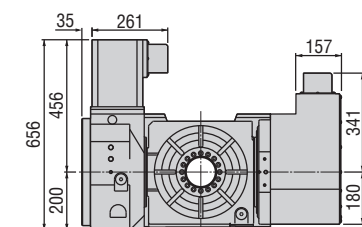
**RCB-450**



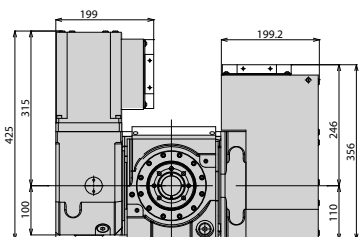
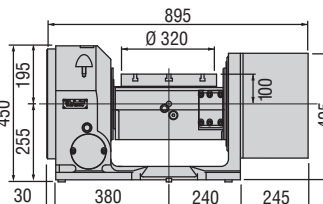
**TWA-200**



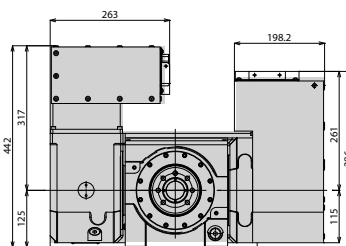
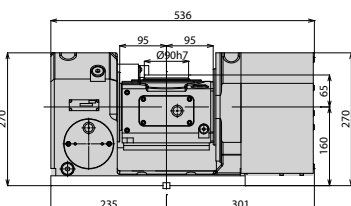
**RCB-550**



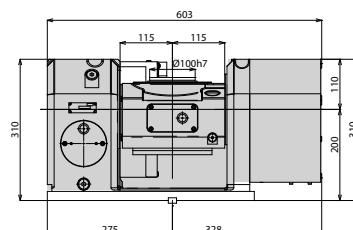
**TN-320**



**TBS-130**



**TBS-160**

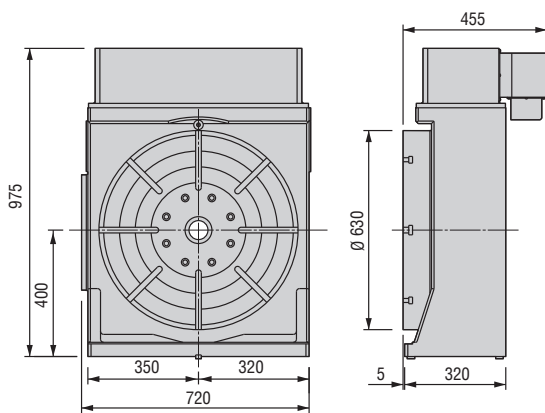


Please contact Koma Precision to confirm Toyoda / Tsudakoma rotary table working envelope.

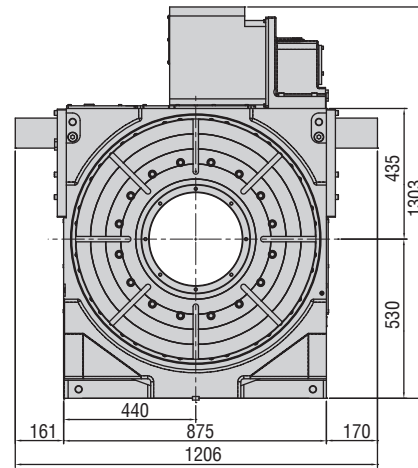
[www.komaprecision.com](http://www.komaprecision.com) • [info@komaprecision.com](mailto:info@komaprecision.com) • 1-800-249-5662

## RNCK-Series ROTARY TABLE DIMENSIONS

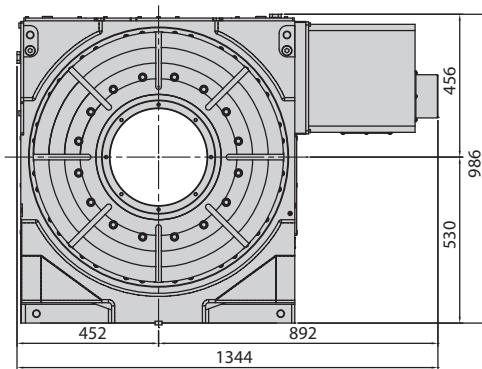
(Drawings Not To Scale)



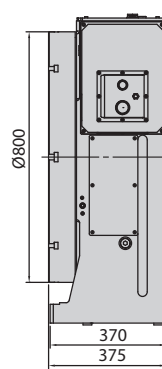
**RNCK-631**



**RCV-800K**



**RCV-800,R**



**RCV-1000K**

Please contact Koma Precision to confirm Toyoda / Tsudakoma rotary table working envelope.

## RWE, RWA & RBS Series Rotary Tables

| Model                                |                                                                                                             | RWE-160               | RWE-200               | RWA-160               | RWA-200               | RWA-250               | RWA-320               | RBS-160               | RBS-250               | RBS-320               |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Spindle outer diameter               |                                                                                                             | 100h7                 | 120h7                 | 100                   | 120                   | 140                   | 180                   | R                     | R                     | R                     |
| Table diameter (optional)            |                                                                                                             | (160, 200)            | (200, 250)            | (160, 200)            | (200, 250)            | 250                   | 320                   | (160, 200)            | 250                   | 320                   |
| Center height                        |                                                                                                             | 135                   | 160                   | 135                   | 160                   | 160                   | 210                   | 160                   | 210                   | 255                   |
| Center bore                          | Nose Diameter                                                                                               | 55H7                  | 65H7                  | 55H7                  | 65H7                  | 80H7                  | 115H7                 | 55H7                  | 80H7                  | 115H7                 |
|                                      | Thru Diameter                                                                                               | 40                    | 45                    | 40                    | 45                    | 50                    | 85                    | 40                    | 50                    | 85                    |
| Table T-slot width (with face plate) |                                                                                                             | (12H8)                | (12H8)                | (12H8)                | (12H8)                | 12H8                  | 14H7                  | 12H8                  | 12H8                  | 14H8                  |
| Guide block width                    |                                                                                                             | 14h7                  | 18h7                  | 14h7                  | 18h7                  | 18h7                  | 18h7                  | 14h7                  | 18h7                  | 18h7                  |
| Servo motor (Fanuc)*                 |                                                                                                             | Alpha 2i              | Alpha 4i              | Alpha 2i              | Alpha 4i              | Alpha 8i (8is)        | Alpha 8i (8is)        | Alpha 4i              | Alpha 8i              | Alpha 12i             |
| Maximum motor speed                  | rpm                                                                                                         | 5,000                 | 5,000                 | 5,000                 | 5,000                 | 4,000 (4,000)         | 4,000 (4,000)         | 5,000                 | 4,000                 | 4,000                 |
| Speed reduction ratio                |                                                                                                             | 1/72                  | 1/72                  | 1/72                  | 1/72                  | 1/90 (1/45)           | 1/120 (1/45)          | 1/36                  | 1/36                  | 1/36                  |
| Maximum table speed                  | rpm                                                                                                         | 69.4                  | 69.4                  | 69.4                  | 69.4                  | 44.4 (88.9)           | 33.3 (88.9)           | 138.9                 | 111.1                 | 111.1                 |
| Inertia converted into motor shaft   | x 10 <sup>-3</sup> kg·m <sup>2</sup>                                                                        | .09                   | .17                   | .09                   | .17                   | .41 (.44)             | .52 (1.66)            | 0.19                  | 0.42                  | 2.24                  |
| Clamp system                         |                                                                                                             | Pneumatic Disc Clamp  |                       |                       | Pneumatic Dual Taper  |                       |                       | Pneumatic             |                       |                       |
| Clamp torque @72psi [500psi]         | Nm (ft. lbs.)                                                                                               | 250 (180)             | 400 (295)             | 500 (369)             | 800 (590)             | 1,000 (737)           | 1,500 (1,106)         | 700 (516)             | 1480 (1076)           | 2580 (1901)           |
| Indexing accuracy                    | arc sec.                                                                                                    | ±12.5                 | ±10                   | ±12.5                 | ±10                   | ±10                   | ±10                   | ±7.5                  | ±7.5                  | ±7.5                  |
| Net Weight                           | kg (lbs.)                                                                                                   | 40 (88)               | 61 (135)              | 38 (84)               | 61 (134)              | 80 (176)              | 145 (319)             | 55 (121.2)            | 100 (220)             | 200 (440)             |
| Allowable wheel torque               | Nm (ft. lbs.)                                                                                               | 206 (152)             | 288 (212)             | 206 (152)             | 288 (212)             | 596 (439)             | 939 (692)             | 700 (516)             | 1480 (1076)           | 2580 (1901)           |
| Allowable work inertia               | kg·m <sup>2</sup>                                                                                           | .64                   | 1.25                  | .64                   | 1.25                  | 1.95                  | 4.48                  | 0.48                  | 1.95                  | 4.48                  |
| Allowable work weight                |  kg (lbs) [w/ tailstock] | 100 (220) [200 (441)] | 125 (275) [250 (551)] | 100 (220) [175 (385)] | 125 (275) [275 (605)] | 125 (275) [275 (605)] | 175 (385) [375 (825)] | 100 (200) [200 (440)] | 125 (275) [250 (550)] | 175 (385) [350 (770)] |
|                                      |  kg (lbs)                | -                     | -                     | 200 (440)             | 250 (550)             | 250 (550)             | 350 (770)             | 200 (440)             | 250 (550)             | 350 (770)             |
| Allowable load when table clamped    |  N (lbf)                 | 10,800 (2,419)        | 14,400 (3,226)        | 10,800 (2,419)        | 14,400 (3,226)        | 14,400 (3,226)        | 24,800 (5,555)        | 10,800 (2,419)        | 14,400 (3,226)        | 24,800 (5,555)        |
|                                      |  Nm (ft. lbs.)           | 500 (369)             | 800 (590)             | 500 (369)             | 800 (590)             | 1,000 (737)           | 1,500 (1,106)         | 500 (369)             | 1,000 (737)           | 1,500 (1,106)         |
|                                      |  Nm (ft. lbs.)           | 780 (575)             | 1,900 (1,400)         | 780 (575)             | 1,900 (1,400)         | 1,900 (1,400)         | 4,700 (3,464)         | 780 (575)             | 1,900 (1,400)         | 4,700 (3,464)         |

\* Other motors & RPM available

\*\* Booster optional

Dimensions = mm

Specifications subject to change without notice

# ROTARY TABLE SPECIFICATIONS



## RCB, RNCM, RCV-K, RNCK & RCV-Series Rotary Tables

| Model                              |                                                                                                             | RCB-350        | RCB-450         | RCB- 550        | RNCM-631                 | RCV-800K                      | RCV-1000K                      | RNCK-631 (BB)           | RCV-800R                      |
|------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------|-----------------|-----------------|--------------------------|-------------------------------|--------------------------------|-------------------------|-------------------------------|
| Versions available                 |                                                                                                             | R,L            | R,L             | R,L             | R, L                     | --                            | --                             | --                      | --                            |
| Table diameter                     |                                                                                                             | 350            | 450             | 550             | 630                      | 800 (1,000)                   | 1,000 (1,200)                  | 630                     | 800 (1,000)                   |
| Center height                      |                                                                                                             | 255            | 310             | 350             | 400                      | 530                           | 625                            | 400                     | 530                           |
| Center bore                        | Nose Diameter                                                                                               | 245H7          | 295H7           | 345H7           | 60H6                     | 360H7 x 45                    | 410H7 x 65                     | 60H6 (320H7)            | 360H7 x 45                    |
|                                    | Thru Diameter                                                                                               | 215            | 265             | 315             | 60                       | 310                           | 360                            | 60 (320)                | 310                           |
| Table T-slot width                 |                                                                                                             | 14H7           | 14H7            | 18H7            | 18H7                     | 18H7                          | 22H7                           | 18H7                    | 18H7                          |
| Guide block width                  |                                                                                                             | 18h7           |                 |                 |                          | 22h7                          |                                |                         | 22h7                          |
| Servo motor (Fanuc)*               |                                                                                                             | Alpha 12i      | Alpha 22i       | Alpha 22i       | Alpha 12i                | Alpha 12i                     | Alpha 22i                      | Alpha 12i               | Alpha 12i                     |
| Maximum motor speed                | rpm                                                                                                         | 4,000          | 3,000           | 3,000           | 4,000                    | 4,000                         | 3,000                          | 4,000                   | 4,000                         |
| Speed reduction ratio              |                                                                                                             | 1/90           | 1/90            | 1/120           | 1/180                    | 1/360                         |                                | 1/180                   | 1/360                         |
| Maximum table speed                | rpm                                                                                                         | 44.4           | 33.3            | 33.3            | 22.2                     | 11.11                         | 8.33                           | 22.2                    | 11.11                         |
| Inertia converted into motor shaft | x 10 <sup>-3</sup> kg-m <sup>2</sup>                                                                        | 3.48           | 6.14            | 6.01            | 5.55                     | 4.89                          | 12.2                           | 5.55                    | 4.89                          |
| Clamp system                       |                                                                                                             | Hydraulic**    |                 |                 |                          |                               |                                |                         |                               |
| Clamp torque @500psi               | Nm (ft. lbs.)                                                                                               | 3,300 (2,432)  | 4,700 (3,464)   | 6,500 (4,790)   | 4,410 (3,250)            | 7,000 (5,159)                 | 20,000 (14,740)                | 4,410 (3,250)           | 7,000 (5,159)                 |
| Indexing accuracy                  | arc sec.                                                                                                    | ±7.5           |                 |                 |                          |                               |                                |                         |                               |
| Net Weight                         | kg (lbs.)                                                                                                   | 400 (880)      | 520 (1,144)     | 720 (1,584)     | 800 (1,760)              | 1,450 (3,190)                 | 2,500 (5,500)                  | 800 (1,760)             | 1,450 (3,190)                 |
| Allowable wheel torque             | Nm (ft. lbs.)                                                                                               | 1,942 (1,431)  | 3,276 (2,414)   | 4,716 (3,475)   | 4,116 (3,033)            | 7,840 (5,778)                 | 13,230 (9,751)                 | 4,116 (3,033)           | 7,840 (5,778)                 |
| Allowable work inertia             | kg-m <sup>2</sup>                                                                                           | 6.1            | 17.7            | 37.8            | 39.7                     | 320                           | 874                            | 39.7                    | 320                           |
| Allowable work weight              |  kg (lbs) [w/ tailstock] | 400 (880)      | 700 (1,540)     | 1,000 (2,200)   | 400 (880) [1000 (1,760)] | 2,000 (4,400) [4,000 (8,000)] | 3,500 (7,700) [7,000 (15,400)] | 400 (880) [800 (1,760)] | 2,000 (4,400) [4,000 (8,000)] |
|                                    |  kg (lbs)                | 29,400 (6,586) | 45,000 (10,080) | 54,000 (12,096) | 1,000 (2,200)            | 4,000 (8,800)                 | 7,000 (15,400)                 | -                       | 4,000 (8,800)                 |
| Allowable load when table clamped  |  N (lbf)                 | 3,300 (2,432)  | 4,700 (3,464)   | 6,500 (4,790)   | 49,000 (10,976)          | 100,000 (22,400)              | 185,000 (41,440)               | 49,000 (10,976)         | 100,000 (22,400)              |
|                                    |  Nm (ft. lbs.)           | 3,626 (2,672)  | 8,000 (5,896)   | 15,132 (11,152) | 4,410 (3,250)            | 7,000 (5,159)                 | 20,000 (14,740)                | 4,410 (3,250)           | 7,000 (5,159)                 |
|                                    |  Nm (ft. lbs.)           | 3,626 (2,672)  | 8,000 (5,896)   | 15,132 (11,152) | 7,840 (5,778)            | 11,600 (8,550)                | 22,900 (16,877)                | 7,840 (5,778)           | 11,600 (8,550)                |

\* Other motors & RPM available

\*\* Booster optional

Dimensions = mm

Specifications subject to change without notice

## RWB/RWB,K-Series Rotary Tables

| Model                              |                                                                                                                | RWB-250                  | RWB-320                    | RWB-400                    | RWB-500                        | RWB-250K                 | RWB-320K                   | RWB-400K                   | RWB-500K         |
|------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------|----------------------------|--------------------------------|--------------------------|----------------------------|----------------------------|------------------|
| Table diameter                     |                                                                                                                | 250                      | 320                        | 400                        | 500                            | 250                      | 320                        | 400                        | 500              |
| Center height                      |                                                                                                                | 160                      | 210                        | 255                        | 310                            | 160                      | 210                        | 255                        | 310              |
| Center bore                        | Nose Diameter                                                                                                  | 105                      | 150                        | 200                        | 220                            | 105                      | 150                        | 200                        | 220H7            |
|                                    | Thru Diameter                                                                                                  | 80                       | 120                        | 160                        | 182                            | 80                       | 120                        | 160                        | 182              |
| Table T-slot width                 |                                                                                                                | 12H7                     | 14H7                       | 14H7                       | 18H7                           | 12H7                     | 14H7                       | 14H7                       | 18H7             |
| Guide block width                  |                                                                                                                | 18h7                     |                            |                            |                                |                          |                            |                            |                  |
| Servo motor (Fanuc)*               |                                                                                                                | Alpha 8i                 | Alpha 12i                  | Alpha 12i                  | Alpha 12i                      | Alpha 8i                 | Alpha 12i                  | Alpha 12i                  | Alpha 12i        |
| Maximum motor speed                | rpm                                                                                                            | 4,000                    | 4,000                      | 4,000                      | 4,000                          | 4,000                    | 4,000                      | 4,000                      | 4,000            |
| Speed reduction ratio              |                                                                                                                | 1/90                     | 1/90                       | 1/90                       | 1/180                          | 1/90                     | 1/90                       | 1/90                       | 1/180            |
| Maximum table speed                | rpm                                                                                                            | 44.4                     | 44.4                       | 44.4                       | 22.2                           | 44.4                     | 44.4                       | 44.4                       | 22.2             |
| Inertia converted into motor shaft | x 10 <sup>-3</sup> kg-m <sup>2</sup>                                                                           | 1.27                     | 3.53                       | 4.63                       | 3.00                           | 1.27                     | 3.53                       | 4.63                       | 3.00             |
| Clamp system                       |                                                                                                                | Hydraulic**              |                            |                            |                                |                          |                            |                            |                  |
| Clamp torque @500psi               | Nm (ft. lbs.)                                                                                                  | 1,300 (958)              | 3,100 (2,284)              | 5,500 (4,053)              | 6,100 (4,496)                  | 1,300 (958)              | 3,100 (2,284)              | 5,500 (4,053)              | 7,600 (5,601)    |
| Indexing accuracy                  | arc sec.                                                                                                       | ±7                       |                            |                            |                                |                          |                            |                            |                  |
| Net Weight                         | kg (lbs.)                                                                                                      | 125 (286)                | 250 (550)                  | 360 (792)                  | 620 (1,364)                    | 125 (286)                | 250 (550)                  | 360 (792)                  | 620 (1,364)      |
| Allowable wheel torque             | Nm (ft. lbs.)                                                                                                  | 1,011 (745)              | 2,127 (1,567)              | 3,958 (2,917)              | 3,276 (2,414)                  | 1,011 (745)              | 2,127 (1,567)              | 3,958 (2,917)              | 3,276 (2,414)    |
| Allowable work inertia             | kg-m <sup>2</sup>                                                                                              | 7.0                      | 19.2                       | 36                         | 112                            | 7.0                      | 19.2                       | 36.0                       | 112              |
| Allowable work weight              |  kg (lbs)<br>[w/ tailstock] | 175 (385)<br>[250 (550)] | 250 (550)<br>[500 (1,100)] | 300 (660)<br>[600 (1,320)] | 600 (1,320)<br>[1,200 (2,460)] | 175 (385)<br>[250 (550)] | 250 (550)<br>[500 (1,100)] | 300 (660)<br>[600 (1,320)] | 600 (1,320)      |
|                                    |  kg (lbs)                   | 350 (770)                | 1,100 (500)                | 1,320 (600)                | 2,640 (1,200)                  | -                        | -                          | -                          | -                |
| Allowable load when table clamped  |  N (lbf)                    | 35,000 (7,700)           | 89,000 (19,580)            | 109,000 (23,980)           | 240,000 (52,800)               | 35,000 (7,700)           | 89,000 (19,580)            | 109,000 (23,980)           | 240,000 (52,800) |
|                                    |  Nm (ft. lbs.)              | 1,300 (958)              | 3,100 (2,284)              | 5,500 (4,053)              | 7,600 (5,601)                  | 1,300 (958)              | 3,100 (2,284)              | 5,500 (4,053)              | 7,600 (5,601)    |
|                                    |  Nm (ft. lbs.)              | 1,500 (1,105)            | 5,300 (3,906)              | 7,800 (5,748)              | 17,000 (12,529)                | 1,500 (1,105)            | 5,300 (3,906)              | 7,800 (5,748)              | 17,000 (12,529)  |

\* Other motors & RPM available

\*\* Booster optional

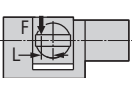
Dimensions = mm

Specifications subject to change without notice

# ROTARY TABLE SPECIFICATIONS



## TWA-Series Rotary Tables

| Model                              |                                                                                                   |                                                                                              | TWA-130                  |           | TWA-160                  |           | TWA-200                  |             | TN-320                |                   | TBS-130                  |           | TBS-160                  |           |
|------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------|-----------|--------------------------|-----------|--------------------------|-------------|-----------------------|-------------------|--------------------------|-----------|--------------------------|-----------|
| Tilt Range                         |                                                                                                   |                                                                                              | -17° ~ +107°             |           | -30° ~ +110°             |           | -30° ~ +110°             |             | -30° ~ +110°          |                   | -30° ~ +110°             |           | -30° ~ +110°             |           |
| Spindle outer diameter             |                                                                                                   |                                                                                              | 90h7                     |           | 100h7                    |           | 120h7                    |             | -                     |                   | 90h7                     |           | 100h7                    |           |
| Table diameter (optional)          |                                                                                                   |                                                                                              | (135)                    |           | 160 (200)                |           | 200 (250)                |             | 320                   |                   | (135)                    |           | (160 or 200)             |           |
| Table height at 0° position        |                                                                                                   |                                                                                              | 210<br>(235 w/faceplate) |           | 235<br>(260 w/faceplate) |           | 270<br>(300 w/faceplate) |             | 355                   |                   | 225<br>(250 w/faceplate) |           | 270<br>(300 w/faceplate) |           |
| Center height at 90° position      |                                                                                                   |                                                                                              | 150                      |           | 180                      |           | 210                      |             | 255                   |                   | 160                      |           | 200                      |           |
| Center bore                        | Nose Diameter (w/face plate)                                                                      |                                                                                              | 55H7 (40H7)              |           | 55H7 (50H7)              |           | 65H7 (60H7)              |             | 105H7                 |                   | 55H7 (40H7)              |           | 55H7 (50H7)              |           |
|                                    | Thru Diameter                                                                                     |                                                                                              | 35                       |           | 40                       |           | 45                       |             | 100                   |                   | 40                       |           | 40                       |           |
| Table T-slot width                 |                                                                                                   |                                                                                              | 12H8 (w/faceplate)       |           | 12H8 (w/faceplate)       |           | 12H8 (w/faceplate)       |             | 14H7                  |                   | 12H8                     |           | 12H8                     |           |
| Guide block width                  |                                                                                                   |                                                                                              | 14h7                     |           | 18h7                     |           | 18h7                     |             | 18h7                  |                   | 14h7                     |           | 18h7                     |           |
| Servo motor (Fanuc)*               |                                                                                                   |                                                                                              | Rotary                   | Tilt      | Rotary                   | Tilt      | Rotary                   | Tilt        | Rotary                | Tilt              | Rotary                   | Tilt      | Rotary                   | Tilt      |
|                                    |                                                                                                   |                                                                                              | Alpha 2i                 | Alpha 2i  | Alpha 2i                 | Alpha 2i  | Alpha 4i                 | Alpha 4i    | Alpha 8i              | Alpha 8i          | Alpha 2i                 | Alpha 2i  | Alpha 2i                 | Alpha 4i  |
| Maximum motor speed                | rpm                                                                                               |                                                                                              | 5,000                    | 5,000     | 5,000                    | 5,000     | 5,000                    | 5,000       | 4,000                 | 4,000             | 5,000                    | 5,000     | 5,000                    | 5,000     |
| Speed reduction ratio              |                                                                                                   |                                                                                              | 1/60                     | 1/120     | 1/72                     | 1/120     | 1/45                     | 1/90        | 1/120                 | 1/240             | 1/48                     | 1/60      | 1/60                     | 1/60      |
| Maximum table speed                | rpm                                                                                               |                                                                                              | 83.3                     | 41.7      | 69.4                     | 41.7      | 111.1                    | 55.5        | 33.33                 | 16.6              | 104.2                    | 83.3      | 83.3                     | 83.3      |
| Inertia converted into motor shaft | x 10 <sup>-3</sup> kg·m <sup>2</sup>                                                              |                                                                                              | .074                     | .072      | .17                      | .18       | .38                      | .45         | .82                   | .45               | .074                     | .072      | .17                      | .18       |
| Clamp system                       |                                                                                                   |                                                                                              | Pneumatic Dual Taper     |           |                          |           |                          |             | Hydraulic @500 psi ** |                   | Pneumatic                |           |                          |           |
| Clamp torque @72psi                | Nm (ft. lbs.)                                                                                     |                                                                                              | 500 (369)                | 500 (369) | 500 (369)                | 800 (590) | 800 (590)                | 1,000 (737) | [2,200] [(1,621)]     | [2,200] [(1,621)] | 700 (516)                | 700 (516) | 700 (516)                | 700 (516) |
| Indexing accuracy                  | arc sec.                                                                                          |                                                                                              | ±20                      | -         | ±15                      | -         | ±15                      | -           | ±10                   | -                 | ±10                      | -         | ±10                      | -         |
| Tilting accuracy                   | arc sec.                                                                                          |                                                                                              | -                        | ±22.5     | -                        | ±22.5     | -                        | ±22.5       | -                     | ±22.5             | -                        | ±17.5     | -                        | ±17.5     |
| Net Weight                         | kg (lbs.)                                                                                         |                                                                                              | 76 (167)                 |           | 127 (279)                |           | 190 (418)                |             | 440 (968)             |                   | 125 (276)                |           | 160 (353)                |           |
| Allowable wheel torque - rotary    | Nm (ft. lbs.)                                                                                     |                                                                                              | 152 (112)                |           | 200 (147)                |           | 450 (332)                |             | 931 (686)             |                   | -                        |           | -                        |           |
| Allowable work inertia             |                                                                                                   | kg·m <sup>2</sup>                                                                            | .08                      |           | .19                      |           | .59                      |             | 1.53                  |                   | .08                      |           | .19                      |           |
| Allowable work weight              | 0° tilt angle                                                                                     |  kg (lbs) | 35 (77)                  |           | 60 (132)                 |           | 120 (264)                |             | 150 (330)             |                   | 35 (77)                  |           | 60 (132)                 |           |
|                                    | 0° ~ 90° tilt angle                                                                               |  kg (lbs) | 20 (44)                  |           | 40 (88)                  |           | 70 (154)                 |             | 100 (220)             |                   | 20 (44)                  |           | 40 (88)                  |           |
| Allowable work moment              |  Nm (ft. lbs.) |                                                                                              | 24 (17.7)                |           | 39.2 (28.9)              |           | 53.7 (39.6)              |             | 163.3 (120.4)         |                   | 61.1                     |           | 59.6                     |           |
| Allowable load when table clamped  |  N (lbf)       |                                                                                              | 3,920 (878)              |           | 7,840 (1,756)            |           | 13,720 (3,073)           |             | 19,600 (4,390)        |                   | 3,920 (878)              |           | 10,800                   |           |
|                                    |  Nm (ft. lbs.) |                                                                                              | 500 (369)                |           | 500 (369)                |           | 800 (590)                |             | 2,200 (1,621)         |                   | 700 (516)                |           | 700 (516)                |           |
|                                    |  Nm (ft. lbs.) |                                                                                              | 500 (369)                |           | 800 (590)                |           | 1,000 (737)              |             | 2,200 (1,621)         |                   | 700 (516)                |           | 700 (516)                |           |

\* Other motors & RPM available • \*\* Booster optional • Dimensions = mm • Specifications subject to change without notice





Tel: 1.800.249.5662  
Fax: 860.623.4132

info@komaprecision.com  
www.komaprecision.com

20 Thompson Road  
East Windsor, CT 06088