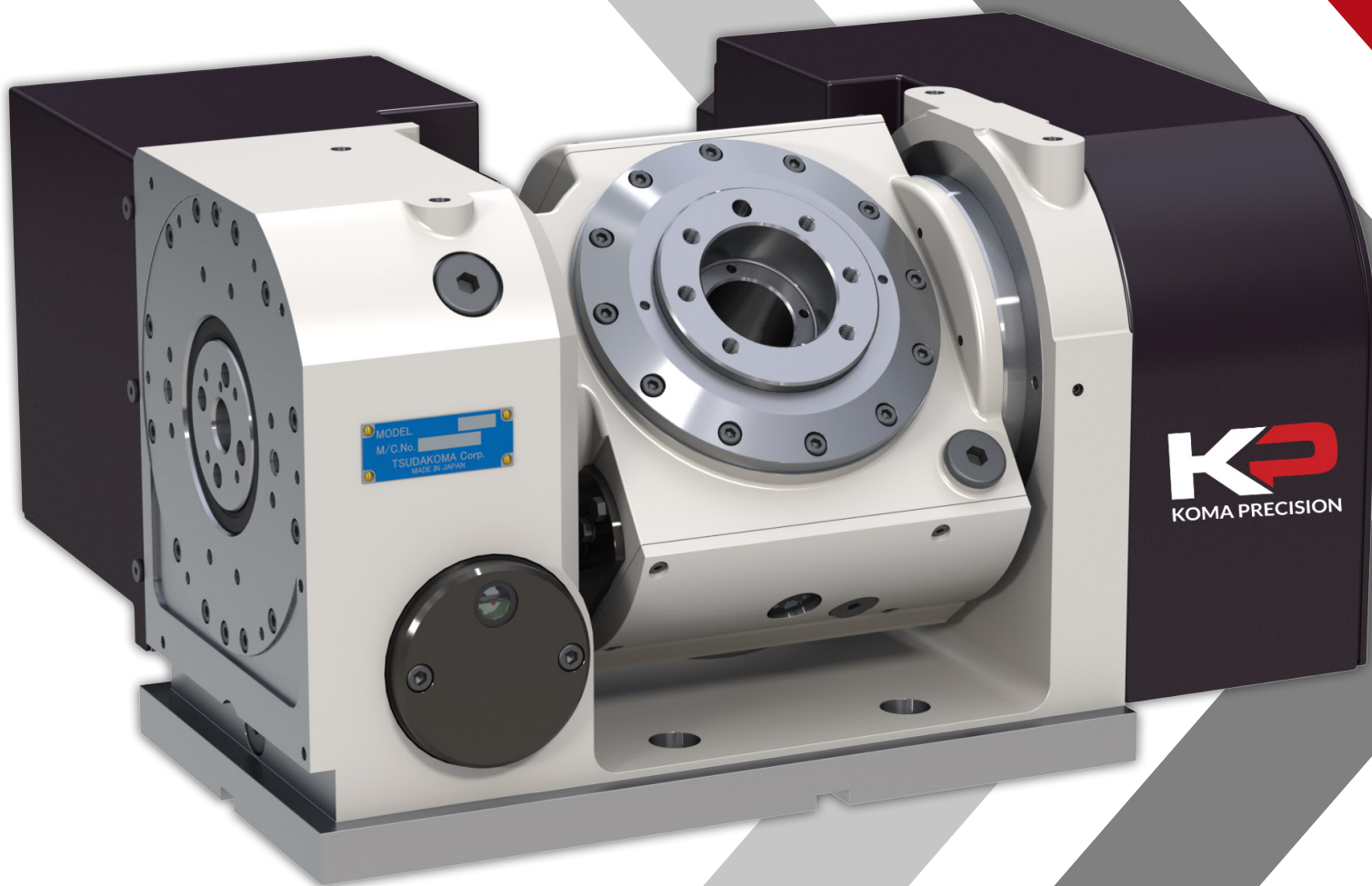




# TSUDAKOMA

## Rotary Table

### Selection Guide



## KOMA PRECISION

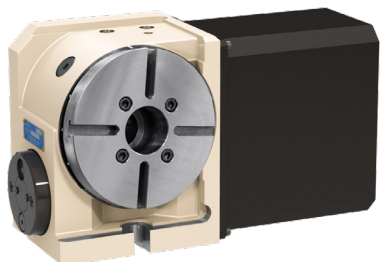
For over thirty-five years Koma Precision has been the foremost source for the finest the world has to offer in machine tool Productivity Innovation.

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.

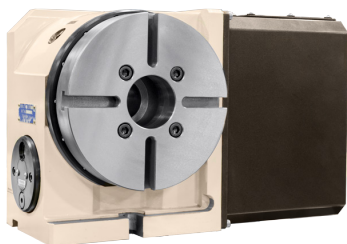




# ROTARY TABLES



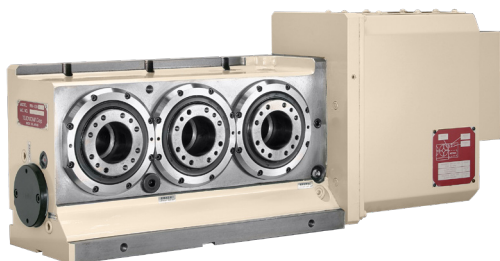
RWE SERIES



RWA SERIES



RBS SERIES



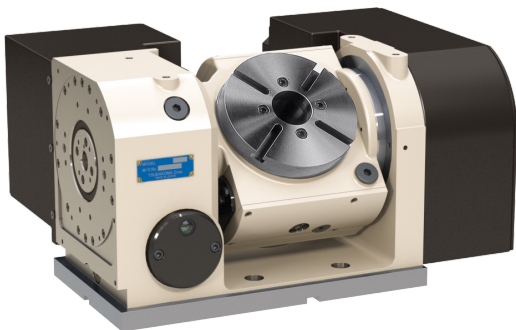
RN-100R-2,3,4



RWB SERIES



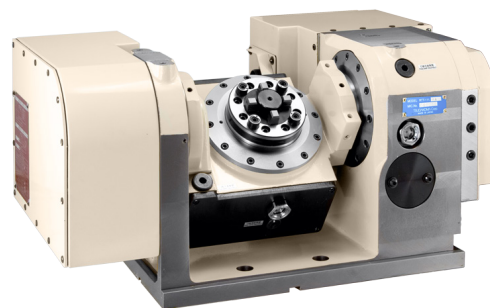
RWE INDEXERS



TWA SERIES

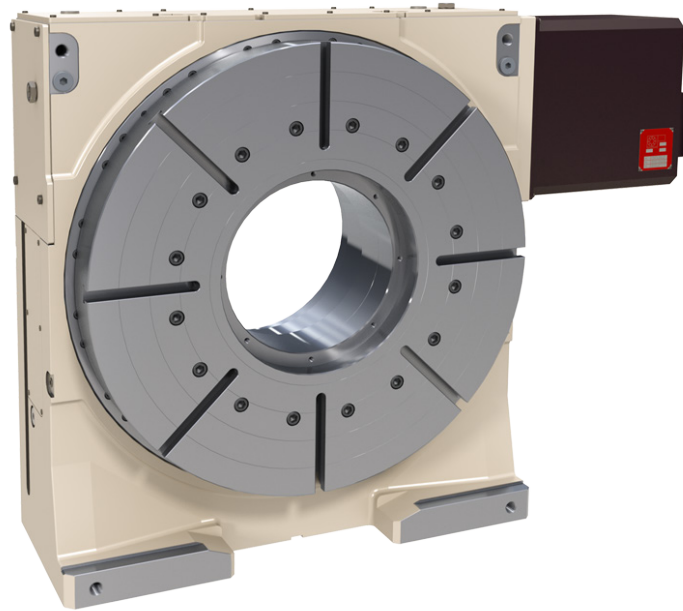


TBS SERIES



5<sup>TH</sup> AXIS TILTING  
RTT-111, CA

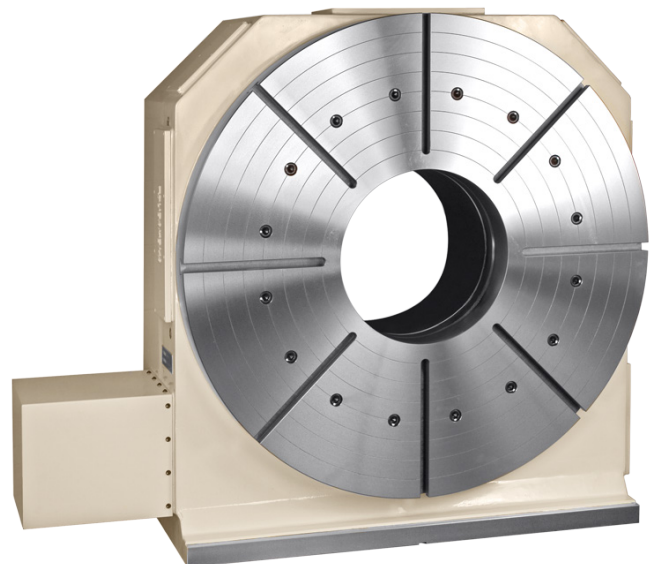




RCV SERIES



RNCK SERIES



RNCV SERIES

| i-CUT 400T/M                 |             |             |           |
|------------------------------|-------------|-------------|-----------|
| RWE SERIES                   | RWE-160     |             |           |
| RWA SERIES                   | RWA-160     |             |           |
| RBS SERIES                   | RBS-160     |             |           |
| RWE INDEXERS                 | RWE-160 TPC |             |           |
| RN MULTI SERIES              | RN-100R-2   | RN-100R-3   |           |
| TWA SERIES                   | TWA-130     |             |           |
| TBS SERIES                   | TBS-130     |             |           |
| 5 <sup>th</sup> AXIS TILTING | RTT-111, CA |             |           |
| i-CUT 450T                   |             |             |           |
| RWE SERIES                   | RWE-160     | RWE-200     |           |
| RWA SERIES                   | RWA-160     | RWA-200     |           |
| RBS SERIES                   | RBS-160     |             |           |
| RWE INDEXERS                 | RWE-160 TPC | RWE-200 TPC |           |
| RN MULTI SERIES              | RN-100R-2   | RN-100R-3   | RN-100R-4 |
| TWA SERIES                   | TWA-130     |             |           |
| TBS SERIES                   | TBS-130     |             |           |
| 5 <sup>th</sup> AXIS TILTING | RTT-111, CA |             |           |
| i-CUT 400TD                  |             |             |           |
| RWE SERIES                   | RWE-160     | RWE-200     |           |
| RWA SERIES                   | RWA-160     | RWA-200     |           |
| RBS SERIES                   | RBS-160     |             |           |
| RWE INDEXERS                 | RWE-160 TPC | RWE-200 TPC |           |
| RN MULTI SERIES              | RN-100R-2   | RN-100R-3   |           |



**i-CUT400M**



**i-CUT450T**



**i-CUT400TD**

# FD SERIES



| F410D                        |             |             |         |         |
|------------------------------|-------------|-------------|---------|---------|
| RWE SERIES                   | RWE-160     | RWE-200     |         |         |
| RWA SERIES                   | RWA-160     | RWA-200     |         |         |
| RBS SERIES                   | RBS-160     |             |         |         |
| RWE INDEXERS                 | RWE-160 TPC | RWE-200 TPC |         |         |
| RN MULTI SERIES              | RN-100R-2   |             |         |         |
| TWA SERIES                   | TWA-130     |             |         |         |
| TBS SERIES                   | TBS-130     |             |         |         |
| 5 <sup>th</sup> AXIS TILTING | RTT-111, CA |             |         |         |
| F500D                        |             |             |         |         |
| RWE SERIES                   | RWE-160     | RWE-200     |         |         |
| RWA SERIES                   | RWA-160     | RWA-200     | RWA-250 | RWA-320 |
| RBS SERIES                   | RBS-160     | RBS-250     | RBS-320 |         |
| RWE INDEXERS                 | RWE-160 TPC | RWE-200 TPC |         |         |
| RWB SERIES                   | RWB-250     | RWB-320     |         |         |
| RN MULTI SERIES              | RN-100R-2   |             |         |         |
| TWA SERIES                   | TWA-130     | TWA-160     |         |         |
| TBS SERIES                   | TBS-130     | TBS-160     |         |         |
| 5 <sup>th</sup> AXIS TILTING | RTT-111, CA |             |         |         |
| F600D                        |             |             |         |         |
| RWE SERIES                   | RWE-160     | RWE-200     |         |         |
| RWA SERIES                   | RWA-160     | RWA-200     | RWA-250 | RWA-320 |
| RBS SERIES                   | RBS-160     | RBS-250     | RBS-320 |         |
| RWE INDEXERS                 | RWE-160 TPC | RWE-200 TPC |         |         |
| RWB SERIES                   | RWB-250     | RWB-320     |         |         |
| RN MULTI SERIES              | RN-100R-2   | RN-100R-3   |         |         |
| TWA SERIES                   | TWA-130     | TWA-160     | TWA-200 |         |
| TBS SERIES                   | TBS-130     | TBS-160     |         |         |
| 5 <sup>th</sup> AXIS TILTING | RTT-111, CA |             |         |         |



**F410D**



**F500D**



**F600D**

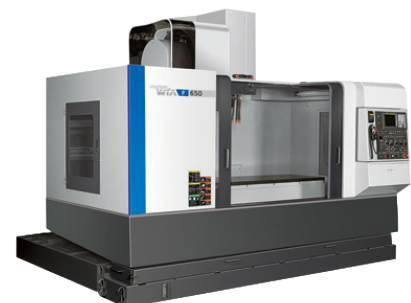
| F450                              |             |             |           |  |
|-----------------------------------|-------------|-------------|-----------|--|
| RWA SERIES                        | RWA-160     | RWA-200     | RWA-250   |  |
| RBS SERIES                        | RBS-160     | RBS-250     |           |  |
| RWE INDEXERS                      | RWE-160 TPC | RWE-200 TPC |           |  |
| RWB SERIES                        | RWB-250     |             |           |  |
| RN MULTI SERIES                   | RN-100R-2   | RN-100R-3   | RN-100R-4 |  |
| TWA SERIES                        | TWA-130     |             |           |  |
| TBS SERIES                        | TBS-130     |             |           |  |
| 5 <sup>th</sup> AXIS TILTING      | RTT-111, CA |             |           |  |
| F500   F500/50   F500 PLUS        |             |             |           |  |
| RWE SERIES                        | RWE-160     | RWE-200     |           |  |
| RWA SERIES                        | RWA-160     | RWA-200     | RWA-250   |  |
| RBS SERIES                        | RBS-160     | RBS-250     |           |  |
| RWE INDEXERS                      | RWE-160 TPC | RWE-200 TPC |           |  |
| RWB SERIES                        | RWB-250     |             |           |  |
| RN MULTI SERIES                   | RN-100R-2   | RN-100R-3   | RN-100R-4 |  |
| TWA SERIES                        | TWA-130     | TWA-160     |           |  |
| TBS SERIES                        | TBS-130     | TBS-160     |           |  |
| 5 <sup>th</sup> AXIS TILTING      | RTT-111, CA |             |           |  |
| F650/50   F650 PLUS   F850   6500 |             |             |           |  |
| RWE SERIES                        | RWE-160     | RWE-200     |           |  |
| RWA SERIES                        | RWA-160     | RWA-200     | RWA-250   |  |
| RBS SERIES                        | RBS-160     | RBS-250     |           |  |
| RWE INDEXERS                      | RWE-160 TPC | RWE-200 TPC |           |  |
| RWB SERIES                        | RWB-250     | RWB-320     |           |  |
| RN MULTI SERIES                   | RN-100R-2   | RN-100R-3   | RN-100R-4 |  |
| TWA SERIES                        | TWA-130     | TWA-160A    | TWA-200   |  |
| TBS SERIES                        | TBS-130     | TBS-160     |           |  |
| 5 <sup>th</sup> AXIS TILTING      | RTT-111, CA |             |           |  |



**F400**



**F500 | F500/50**



**F650**



| KF4600                             |             |             |           |         |
|------------------------------------|-------------|-------------|-----------|---------|
| <b>RWE SERIES</b>                  | RWE-160     | RWE-200     |           |         |
| <b>RWA SERIES</b>                  | RWA-160     | RWA-200     | RWA-250   |         |
| <b>RBS SERIES</b>                  | RBS-160     | RBS-250     |           |         |
| <b>RWE INDEXERS</b>                | RWE-160 TPC | RWE-200 TPC |           |         |
| <b>RWB SERIES</b>                  | RWB-250     | RWB-320     |           |         |
| <b>RN MULTI SERIES</b>             | RN-100R-2   | RN-100R-3   | RN-100R-4 |         |
| <b>TWA SERIES</b>                  | TWA-130     | TWA-160A    | TWA-200   |         |
| <b>TBS SERIES</b>                  | TBS-130     | TBS-160     | TBS-200   |         |
| <b>5<sup>th</sup> AXIS TILTING</b> | RTT-111, CA |             |           |         |
| KF5600   KF5600C                   |             |             |           |         |
| <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>RWE INDEXERS</b>                | RWE-160 TPC | RWE-200 TPC |           |         |
| <b>RWB SERIES</b>                  | RWB-250     | RWB-320     |           |         |
| <b>RN MULTI SERIES</b>             | RN-100R-2   | RN-100R-3   | RN-100R-4 |         |
| <b>TWA SERIES</b>                  | TWA-130     | TWA-160A    | TWA-200   |         |
| <b>TBS SERIES</b>                  | TBS-130     | TBS-160     | TBS-200   |         |
| <b>5<sup>th</sup> AXIS TILTING</b> | RTT-111, CA |             |           |         |
| KF6700                             |             |             |           |         |
| <b>RWE SERIES</b>                  | RWE-200     |             |           |         |
| <b>RWA SERIES</b>                  | RWA-200     | RWA-250     | RWA-320   |         |
| <b>RBS SERIES</b>                  | RBS-250     |             |           |         |
| <b>RWE INDEXERS</b>                | RWE-200 TPC |             |           |         |
| <b>RWB SERIES</b>                  | RWB-250     | RWB-320     | RWB-400   |         |
| <b>RN MULTI SERIES</b>             | RN-100R-2   | RN-100R-3   | RN-100R-4 |         |
| <b>TWA SERIES</b>                  | TWA-200     |             |           |         |
| <b>TBS SERIES</b>                  | TBS-200     |             |           |         |
| <b>5<sup>th</sup> AXIS TILTING</b> | RTT-111, CA |             |           |         |



**KF4600**



**KF5600**



**KF6700**

| F510B                        |             |             |           |         |
|------------------------------|-------------|-------------|-----------|---------|
| RWE SERIES                   | RWE-160     | RWE-200     |           |         |
| RWA SERIES                   | RWA-160     | RWA-200     | RWA-250   | RWA-320 |
| RBS SERIES                   | RBS-160     | RBS-250     | RBS-320   |         |
| RWE INDEXERS                 | RWE-160 TPC | RWE-200 TPC |           |         |
| RWB SERIES                   | RWB-250     |             |           |         |
| RN MULTI SERIES              | RN-100R-2   | RN-100R-3   | RN-100R-4 |         |
| TWA SERIES                   | TWA-130     |             |           |         |
| TBS SERIES                   | TBS-130     |             |           |         |
| 5 <sup>th</sup> AXIS TILTING | RTT-111, CA |             |           |         |
| F600B                        |             |             |           |         |
| RWE SERIES                   | RWE-160     | RWE-200     |           |         |
| RWA SERIES                   | RWA-160     | RWA-200     | RWA-250   | RWA-320 |
| RBS SERIES                   | RBS-160     | RBS-250     | RBS-320   |         |
| RWE INDEXERS                 | RWE-160 TPC | RWE-200 TPC |           |         |
| RWB SERIES                   | RWB-250     |             |           |         |
| RN MULTI SERIES              | RN-100R-2   | RN-100R-3   | RN-100R-4 |         |
| TWA SERIES                   | TWA-130     | TWA-160     | TWA-200   |         |
| TBS SERIES                   | TBS-130     | TBS -160    | TBS-200   |         |
| 5 <sup>th</sup> AXIS TILTING | RTT-111, CA |             |           |         |



**F510B**

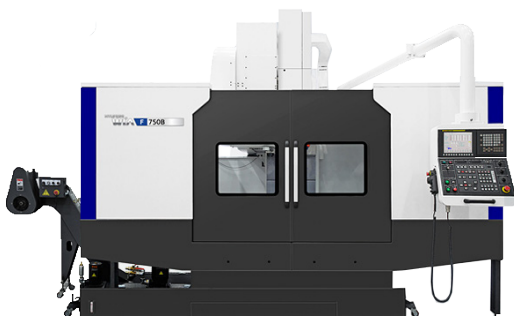


**F600B**

# HEAVY DUTY CUTTING



| F750B                              |             |             |           |         |
|------------------------------------|-------------|-------------|-----------|---------|
| <b>RWE SERIES</b>                  | RWE-200     |             |           |         |
| <b>RWA SERIES</b>                  | RWA-200     | RWA-250     | RWA-320   | RWA-400 |
| <b>RBS SERIES</b>                  | RBS-250     | RBS-320     |           |         |
| <b>RWE INDEXERS</b>                | RWE-200 TPC | RWE-200 TPC |           |         |
| <b>RWB SERIES</b>                  | RWB-250     | RWB-320     | RWB-400   |         |
| <b>RN MULTI SERIES</b>             | RN-100R-2   | RN-100R-3   | RN-100R-4 |         |
| <b>TWA SERIES</b>                  | TWA-130     | TWA-160     | TWA-200   |         |
| <b>TBS SERIES</b>                  | TBS-130     | TBS-160     | TBS-200   |         |
| <b>5<sup>th</sup> AXIS TILTING</b> | RTT-111, CA |             |           |         |
| F960B                              |             |             |           |         |
| PLEASE CALL                        |             |             |           |         |
| KF6700B   KF5700B   KF7600L        |             |             |           |         |
| PLEASE CALL                        |             |             |           |         |



**F750B**

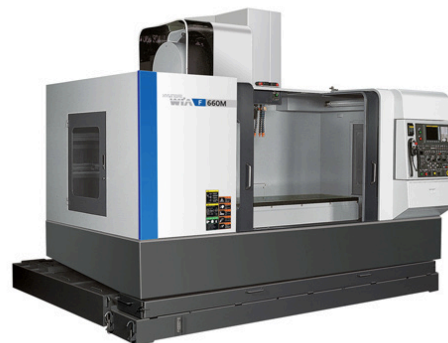


**F960B**

| F550M                        |             |             |           |         |
|------------------------------|-------------|-------------|-----------|---------|
| RWE SERIES                   | RWE-160     | RWE-200     |           |         |
| RWA SERIES                   | RWA-160     | RWA-200     | RWA-250   | RWA-320 |
| RBS SERIES                   | RBS-160     | RBS-250     | RBS-320   |         |
| RWE INDEXERS                 | RWE-160 TPC | RWE-200 TPC |           |         |
| RWB SERIES                   | RWB-250     |             |           |         |
| RN MULTI SERIES              | RN-100R-2   | RN-100R-3   | RN-100R-4 |         |
| TWA SERIES                   | TWA-130     | TWA-160     |           |         |
| TBS SERIES                   | TBS-130     | TBS-160     |           |         |
| 5 <sup>th</sup> AXIS TILTING | RTT-111,CA  |             |           |         |
| F660M                        |             |             |           |         |
| RWE SERIES                   | RWE-160     | RWE-200     |           |         |
| RWA SERIES                   | RWA-160     | RWA-200     | RWA-250   | RWA-320 |
| RBS SERIES                   | RBS-160     | RBS-250     | RBS-320   |         |
| RWE INDEXERS                 | RWE-160 TPC | RWE-200 TPC |           |         |
| RWB SERIES                   | RWB-250     |             |           |         |
| RN MULTI SERIES              | RN-100R-2   | RN-100R-3   | RN-100R-4 |         |
| TWA SERIES                   | TWA-130     | TWA-160     |           |         |
| TBS SERIES                   | TBS-130     | TBS-160     |           |         |
| 5 <sup>th</sup> AXIS TILTING | RTT-111, CA |             |           |         |



**F550M**



**F660M**

| HI-MOLD450                   |             |             |           |         |
|------------------------------|-------------|-------------|-----------|---------|
| RWE SERIES                   | RWE-160     | RWE-200     |           |         |
| RWA SERIES                   | RWA-160     | RWA-200     | RWA-250   | RWA-320 |
| RBS SERIES                   | RBS-160     | RBS-250     | RBS-320   |         |
| RWE INDEXERS                 | RWE-160 TPC | RWE-200 TPC |           |         |
| RWB SERIES                   | RWB-250     | RWB-320     | RWB-400   |         |
| RN MULTI SERIES              | RN-100R-2   | RN-100R-3   | RN-100R-4 |         |
| TWA SERIES                   | TWA-130     | TWA-160     | TWA-200   |         |
| TBS SERIES                   | TBS-130     | TBS-160     | TBS-200   |         |
| 5 <sup>th</sup> AXIS TILTING | RTT-111, CA |             |           |         |
| HI-MOLD560                   |             |             |           |         |
| RWE SERIES                   | RWE-160     | RWE-200     |           |         |
| RWA SERIES                   | RWA-160     | RWA-200     | RWA-250   | RWA-320 |
| RBS SERIES                   | RBS-160     | RBS-250     | RBS-320   |         |
| RWE INDEXERS                 | RWE-160 TPC | RWE-200 TPC |           |         |
| RWB SERIES                   | RWB-250     | RWB-320     | RWB-400   |         |
| RN MULTI SERIES              | RN-100R-2   | RN-100R-3   | RN-100R-4 |         |
| TWA SERIES                   | TWA-130     | TWA-160     | TWA-200   |         |
| TBS SERIES                   | TBS-130     | TBS-160     | TBS-200   |         |
| 5 <sup>th</sup> AXIS TILTING | RTT-111, CA |             |           |         |
| HI-MOLD6500                  |             |             |           |         |
| RWE SERIES                   | RWE-160     | RWE-200     |           |         |
| RWA SERIES                   | RWA-160     | RWA-200     | RWA-250   | RWA-320 |
| RBS SERIES                   | RBS-160     | RBS-250     | RBS-320   |         |
| RWE INDEXERS                 | RWE-160 TPC | RWE-200 TPC |           |         |
| RWB SERIES                   | RWB-250     | RWB-320     | RWB-400   |         |
| RN MULTI SERIES              | RN-100R-2   | RN-100R-3   | RN-100R-4 |         |
| TWA SERIES                   | TWA-130     | TWA-160     | TWA-200   |         |
| TBS SERIES                   | TBS-130     | TBS-160     | TBS-200   |         |
| 5 <sup>th</sup> AXIS TILTING | RTT-111, CA |             |           |         |
| KF760BM                      |             |             |           |         |
| PLEASE CALL                  |             |             |           |         |



| HS4000           |          |          |  |
|------------------|----------|----------|--|
| RWB SERIES       | RWB-250K | RWB-320K |  |
| HS5000   HS5000M |          |          |  |
| RWB SERIES       | RWB-320K | RWB-400K |  |
| HS6300   HS8000  |          |          |  |
| RNCK SERIES      | RNCK-631 |          |  |
| RWB SERIES       | RWB-400K | RWB-500K |  |

Additional Options Available



**HS4000**



**HS6300**

| KH50G       |           |          |
|-------------|-----------|----------|
| RWB SERIES  | RWB-250K  | RWB-320K |
| KH63G       |           |          |
| RWB SERIES  | RWB-320K  | RWB-400K |
| KH80G       |           |          |
| RNCK SERIES | RNCK-631  |          |
| RWB SERIES  | RWB-400K  | RWB-500K |
| KH1000      |           |          |
| RCV SERIES  | RCV-800K  |          |
| KBN135/135C |           |          |
| RNCV SERIES | RNCV-1501 |          |



**KH50G**



**KH1000**



**KBN135C**

## RN-Multi, & RWE-Series

| Table Model                          |                                                                                                             | RN-100-2,3,4       | RWE-160               | RWE-200               |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------|--------------------|-----------------------|-----------------------|
| Versions available                   |                                                                                                             | R, L               | R, L                  | R, L                  |
| Spindle outer diameter               |                                                                                                             | 80h7               | 100h7                 | 120h7                 |
| Table diameter (optional)            |                                                                                                             | (115)              | (160, 200)            | (200, 250)            |
| Center height                        |                                                                                                             | 135                | 135                   | 160                   |
| Center bore                          | Nose Diameter                                                                                               | 50H7               | 55H7                  | 65H7                  |
|                                      | Thru Diameter                                                                                               | 30                 | 40                    | 45                    |
| Table T-slot width (with face plate) |                                                                                                             | -                  | (12H8)                | (12H8)                |
| Minimum spindle center distance      |                                                                                                             | 120                | -                     | -                     |
| Guide block width                    |                                                                                                             | 18h7               | 14h7                  | 18h7                  |
| Servo motor (Fanuc)*                 |                                                                                                             | Alpha 4i           | Alpha 2i              | Alpha 4i              |
| Maximum motor speed                  | rpm                                                                                                         | 5,000              | 5,000                 | 5,000                 |
| Speed reduction ratio                |                                                                                                             | 1/36               | 1/72                  | 1/72                  |
| Number of spindles                   |                                                                                                             | 2 3 4              | -                     | -                     |
| Maximum table speed                  | rpm                                                                                                         | 138.9              | 69.4                  | 69.4                  |
| Inertia converted into motor shaft   | $\times 10^{-3} \text{kg-m}^2$                                                                              | .64 .92 1.06       | .09                   | .17                   |
| Clamp system                         |                                                                                                             | Pneumatic          | Pneumatic Disc Clamp  |                       |
| Clamp torque @72psi                  | Nm (ft. lbs.)                                                                                               | 80 (59)            | 250 (180)             | 400 (295)             |
| Indexing accuracy                    | arc sec.                                                                                                    | $\pm 30$           | $\pm 12.5$            | $\pm 10$              |
| Net Weight                           | kg (lbs.)                                                                                                   | 70-110(154-242)    | 40 (88)               | 61 (135)              |
| Allowable wheel torque               | Nm (ft. lbs.)                                                                                               | 176 (130)          | 206 (152)             | 288 (212)             |
| Allowable work inertia               | kg-m <sup>2</sup>                                                                                           | .10                | .64                   | 1.25                  |
| Allowable work weight                |  kg (lbs) [w/ tailstock] | 25 (55) [50 (110)] | 100 (220) [200 (441)] | 125 (275) [250 (551)] |
|                                      |  kg (lbs)                | 50 (110)           | -                     | -                     |
| Allowable load when table clamped    |  N (lbf)                 | 5,880 (1,317)      | 10,800 (2,419)        | 14,400 (3,226)        |
|                                      |  Nm (ft. lbs.)           | 80 (59)            | 500 (369)             | 800 (590)             |
|                                      |  Nm (ft. lbs.)           | 156 (115)          | 780 (575)             | 1,900 (1,400)         |

\* Other motors & RPM available

\*\* Booster optional

Dimensions = mm

Specifications subject to change without notice

# ROTARY TABLE SPECIFICATIONS



## RWA & RBS-Series

| Table Model                                                                 |                                                                                                             | RWA-160                  | RWA-200                  | RWA-250 (S)              | RWA-320 (S)              | RBS-160                 | RBS-250                  | RBS-320                  |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|--------------------------|--------------------------|
| Versions available                                                          |                                                                                                             | R, L                     | R, L                     | R, L                     | R, L                     | R                       | R                        | R                        |
| Spindle outer diameter                                                      |                                                                                                             | 100h7                    | 120h7                    | 140h7                    | 180h7                    | 100h7                   | 140h7                    | 180h7                    |
| Table diameter (optional)                                                   |                                                                                                             | (160, 200)               | (200, 250)               | 250                      | 320                      | (160, 200)              | 250                      | 320                      |
| Center height                                                               |                                                                                                             | 135                      | 160                      | 160                      | 210                      | 160                     | 210                      | 255                      |
| Center bore                                                                 | Nose Diameter                                                                                               | 55H7                     | 65H7                     | 80H7                     | 115H7                    | 55H7                    | 80H7                     | 115H7                    |
|                                                                             | Thru Diameter                                                                                               | 40                       | 45                       | 50                       | 85                       | 40                      | 50                       | 85                       |
| Table T-slot width (with face plate)                                        |                                                                                                             | (12H8)                   | (12H8)                   | 12H8                     | 14H7                     | 12H8                    | 12H8                     | 14H8                     |
| Guide block width                                                           |                                                                                                             | 14h7                     | 18h7                     | 18h7                     | 18h7                     | 14h7                    | 18h7                     | 18h7                     |
| Servo motor (Fanuc)*                                                        |                                                                                                             | Alpha 2i                 | Alpha 4i                 | Alpha 8i (8is)           | Alpha 8i (22is)          | Alpha 4i                | Alpha 8i                 | Alpha 12i                |
| Maximum motor speed rpm                                                     |                                                                                                             | 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                     | 1/90 (1/45)              | 1/120 (1/45)             | 1/36                    | 1/36                     | 1/36                     |
| Maximum table speed rpm                                                     |                                                                                                             | 69.4                     | 69.4                     | 44.4 (88.9)              | 33.3 (88.9)              | 138.9                   | 111.1                    | 111.1                    |
| Inertia converted into motor shaft $\times 10^{-3}\text{kg}\cdot\text{m}^2$ |                                                                                                             | .09                      | .17                      | .41 (.44)                | .52 (1.66)               | .09                     | .17                      | .41                      |
| Clamp system                                                                |                                                                                                             | Pneumatic Dual Taper     |                          |                          |                          | Pneumatic Disc Clamp    |                          |                          |
| Clamp torque @72psi Nm (ft. lbs.)                                           |                                                                                                             | 500 (369)                | 800 (590)                | 1,000 (737)              | 1,500 (1,106)            | 700 (516)               | 1480 (1076)              | 2580 (1901)              |
| Indexing accuracy arc sec.                                                  |                                                                                                             | $\pm 12.5$               | $\pm 10$                 | $\pm 10$                 | $\pm 10$                 | $\pm 12.5$              | $\pm 10$                 | $\pm 10$                 |
| Net Weight kg (lbs.)                                                        |                                                                                                             | 38 (84)                  | 61 (134)                 | 80 (176)                 | 145 (319)                | 44 (97)                 | 62 (136)                 | 107 (235)                |
| Allowable wheel torque Nm (ft. lbs.)                                        |                                                                                                             | 206 (152)                | 288 (212)                | 596 (439)                | 939 (692)                | 206 (152)               | 288 (212)                | 565 (416)                |
| Allowable work inertia $\text{kg}\cdot\text{m}^2$                           |                                                                                                             | .64                      | 1.25                     | 1.95                     | 4.48                     | .48                     | 1.25                     | 1.95                     |
| Allowable work weight                                                       |  kg (lbs) [w/ tailstock] | 100 (220)<br>[175 (385)] | 125 (275)<br>[250 (550)] | 125 (275)<br>[250 (550)] | 175 (385)<br>[375 (825)] | 75 (165)<br>[150 (330)] | 100 (220)<br>[250 (550)] | 100 (220)<br>[250 (550)] |
|                                                                             |  kg (lbs)                | 200 (440)                | 250 (550)                | 250 (550)                | 350 (770)                | -                       | -                        | -                        |
| Allowable load when table clamped                                           |  N (lbf)                 | 10,800 (2,419)           | 14,400 (3,226)           | 14,400 (3,226)           | 24,800 (5,555)           | 7,840 (1,762)           | 13,720 (3,085)           | 250 (550)                |
|                                                                             |  Nm (ft. lbs.)           | 500 (369)                | 800 (590)                | 1,000 (737)              | 1,500 (1,106)            | 250 (180)               | 400 (295)                | 13,720 (3,073)           |
|                                                                             |  Nm (ft. lbs.)           | 780 (575)                | 1,900 (1,400)            | 1,900 (1,400)            | 4,700 (3,464)            | 392 (290)               | 980 (723)                | 600 (442)                |

\* Other motors & RPM available

\*\* Booster optional

Dimensions = mm

Specifications subject to change without notice

## RWB-Series

| Table Model                        |                                                                                                                    | RWB-250                  | RWB-320                    | RWB-400                    | RWB-500                        |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------|----------------------------|--------------------------------|
| Versions available                 |                                                                                                                    | R, L                     | R, L                       | R, L                       | R, L                           |
| Table diameter                     |                                                                                                                    | 250                      | 320                        | 400                        | 500                            |
| Center height                      |                                                                                                                    | 160                      | 210                        | 255                        | 310                            |
| Center bore                        | Nose Diameter                                                                                                      | 105                      | 150                        | 200                        | 220                            |
|                                    | Thru Diameter                                                                                                      | 80                       | 120                        | 160                        | 182                            |
| Table T-slot width                 |                                                                                                                    | 12H7                     | 14H7                       | 14H7                       | 18H7                           |
| Guide block width                  |                                                                                                                    | 18h7                     |                            |                            |                                |
| Servo motor (Fanuc)*               |                                                                                                                    | Alpha 8i                 | Alpha 12i                  | Alpha 12i                  | Alpha 12i                      |
| Maximum motor speed                | rpm                                                                                                                | 4,000                    | 4,000                      | 4,000                      | 4,000                          |
| Speed reduction ratio              |                                                                                                                    | 1/90                     | 1/90                       | 1/90                       | 1/180                          |
| Maximum table speed                | rpm                                                                                                                | 44.4                     | 44.4                       | 44.4                       | 22.2                           |
| Inertia converted into motor shaft | $\times 10^{-3}\text{kg}\cdot\text{m}^2$                                                                           | 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)                  |
| Indexing accuracy                  | arc sec.                                                                                                           | $\pm 7$                  |                            |                            |                                |
| Net Weight                         | kg (lbs.)                                                                                                          | 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)                  |
| Allowable work inertia             | $\text{kg}\cdot\text{m}^2$                                                                                         | 7.0                      | 19.2                       | 36                         | 112                            |
| Allowable work weight              |  <b>kg (lbs) [w/ tailstock]</b> | 175 (385)<br>[350 (770)] | 550 (250)<br>[1,100 (500)] | 660 (300)<br>[1,320 (600)] | 1,320 (600)<br>[2,460 (1,200)] |
|                                    |  <b>kg (lbs)</b>                | 350 (770)                | 1,100 (500)                | 1,320 (600)                | 2,640 (1,200)                  |
| Allowable load when table clamped  |  <b>N (lbf)</b>                 | 35,000 (7,700)           | 89,000 (19,580)            | 109,000 (23,980)           | 240,000 (52,800)               |
|                                    |  <b>Nm (ft. lbs.)</b>           | 1,300 (958)              | 3,100 (2,284)              | 5,500 (4,053)              | 7,600 (5,601)                  |
|                                    |  <b>Nm (ft. lbs.)</b>           | 1,500 (1,105)            | 5,300 (3,906)              | 7,800 (5,748)              | 17,000 (12,529)                |

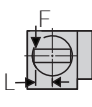
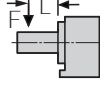
\* Other motors & RPM available

\*\* Booster optional

Dimensions = mm

Specifications subject to change without notice

## RWB, K Series

| Table Model                                                                 |                                                                                                             | RWB-320K                | RWB-400K                | RWB-500K         |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------|------------------|
| Table diameter                                                              |                                                                                                             | 320                     | 400                     | 500              |
| Center height                                                               |                                                                                                             | 210                     | 255                     | 310              |
| Center bore                                                                 | Nose Diameter                                                                                               | 150                     | 200                     | 220H7            |
|                                                                             | Thru Diameter                                                                                               | 120                     | 160                     | 182              |
| Table T-slot width                                                          |                                                                                                             | 14H7                    | 14H7                    | 18H7             |
| Guide block width                                                           |                                                                                                             | 18h7                    |                         |                  |
| Servo motor (Fanuc)*                                                        |                                                                                                             | Alpha 12i               | Alpha 12i               | Alpha 12i        |
| Maximum motor speed rpm                                                     |                                                                                                             | 4,000                   | 4,000                   | 4,000            |
| Speed reduction ratio                                                       |                                                                                                             | 1/90                    | 1/90                    | 1/180            |
| Maximum table speed rpm                                                     |                                                                                                             | 44.4                    | 44.4                    | 22.2             |
| Inertia converted into motor shaft $\times 10^{-3}\text{kg}\cdot\text{m}^2$ |                                                                                                             | 3.53                    | 4.63                    | 3.00             |
| Clamp system**                                                              |                                                                                                             | Hydraulic               |                         |                  |
| Clamp torque @500psi Nm (ft. lbs.)                                          |                                                                                                             | 3,100 (2,284)           | 5,500 (4,053)           | 7,600 (5,601)    |
| Indexing accuracy arc sec.                                                  |                                                                                                             | $\pm 7$                 |                         |                  |
| Net Weight kg (lbs.)                                                        |                                                                                                             | 250 (550)               | 360 (792)               | 620 (1,364)      |
| Allowable wheel torque Nm (ft. lbs.)                                        |                                                                                                             | 2,127 (1,567)           | 3,958 (2,917)           | 3,276 (2,414)    |
| Allowable work inertia $\text{kg}\cdot\text{m}^2$                           |                                                                                                             | 19.2                    | 36.0                    | 112              |
| Allowable work weight                                                       |  kg (lbs) [w/ tailstock] | 250 (550) [500 (1,100)] | 300 (660) [600 (1,320)] | 600 (1,320)      |
| Allowable load when table clamped                                           |  N (lbf)                 | 89,000 (19,580)         | 109,000 (23,980)        | 240,000 (52,800) |
|                                                                             |  Nm (ft. lbs.)           | 3,100 (2,284)           | 5,500 (4,053)           | 7,600 (5,601)    |
|                                                                             |  Nm (ft. lbs.)           | 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



## RNCK Series

| Table Model                        |                                                                                                             | RNCK-631                |
|------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------|
| Table diameter                     |                                                                                                             | 630                     |
| Center height                      |                                                                                                             | 400                     |
| Center bore                        | Nose Diameter                                                                                               | 60H6                    |
|                                    | Thru Diameter                                                                                               | 60                      |
| Table T-slot width                 |                                                                                                             | 18H7                    |
| Guide block width                  |                                                                                                             | 18h7                    |
| Servo motor (Fanuc)*               |                                                                                                             | Alpha 12i               |
| Maximum motor speed                | rpm                                                                                                         | 4,000                   |
| Speed reduction ratio              |                                                                                                             | 1/180                   |
| Maximum table speed                | rpm                                                                                                         | 22.2                    |
| Inertia converted into motor shaft | $\times 10^{-3}\text{kg}\cdot\text{m}^2$                                                                    | 5.55                    |
| Clamp system**                     |                                                                                                             | Hydraulic               |
| Clamp torque @500psi               | Nm (ft. lbs.)                                                                                               | 4,410 (3,250)           |
| Indexing accuracy                  | arc sec.                                                                                                    | $\pm 7.5$               |
| Net Weight                         | kg (lbs.)                                                                                                   | 800 (1,760)             |
| Allowable wheel torque             | Nm (ft. lbs.)                                                                                               | 4,116 (3,033)           |
| Allowable work inertia             | $\text{kg}\cdot\text{m}^2$                                                                                  | 39.7                    |
| Allowable work weight              |  kg (lbs) [w/ tailstock] | 400 (880) [800 (1,760)] |
| Allowable load when table clamped  |  N (lbf)                 | 49,000 (10,976)         |
|                                    |  Nm (ft. lbs.)           | 4,410 (3,250)           |
|                                    |  Nm (ft. lbs.)           | 7,840 (5,778)           |

\* Other motors & RPM available

\*\* Booster optional

Dimensions = mm

Specifications subject to change without notice

## RNCV, L Series

| Table Model                        |                                                                                                               | RNCV-1501L                       |
|------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------|
| Table diameter                     |                                                                                                               | 1,500                            |
| Center height                      |                                                                                                               | 950                              |
| Center bore                        | Nose Diameter                                                                                                 | 75H7                             |
| Table T-slot width                 |                                                                                                               | 28H7                             |
| Guide block width                  |                                                                                                               | 28h7                             |
| Servo motor (Fanuc)*               |                                                                                                               | Alpha 22i                        |
| Maximum motor speed                | rpm                                                                                                           | 3,000                            |
| Speed reduction ratio              |                                                                                                               | 1/720                            |
| Maximum table speed                | rpm                                                                                                           | 4.17                             |
| Inertia converted into motor shaft | $\times 10^{-3}\text{kg}\cdot\text{m}^2$                                                                      | 12.8                             |
| Clamp system**                     |                                                                                                               | Hydraulic                        |
| Clamp torque @500psi               | Nm (ft. lbs.)                                                                                                 | 17,650 (13,008)                  |
| Indexing accuracy                  | arc sec.                                                                                                      | $\pm 7.5$                        |
| Net Weight                         | kg (lbs.)                                                                                                     | 7,000 (15,400)                   |
| Allowable wheel torque             | Nm (ft. lbs.)                                                                                                 | 21,560 (15,889)                  |
| Allowable work inertia             | $\text{kg}\cdot\text{m}^2$                                                                                    | 2,255                            |
| Allowable work weight              |  kg (lbs) [w/ tailstock] | 8,500 (18,700) [18,700 (41,140)] |
|                                    |  kg (lbs)                | 17,000 (37,400)                  |
| Allowable load when table clamped  |  N (lbf)                 | 265,000 (59,360)                 |
|                                    |  Nm (ft. lbs.)           | 17,650 (13,008)                  |
|                                    |  Nm (ft. lbs.)           | 46,800 (34,491)                  |

## RCV, K Series

| Table Model                                                                 |                                                                                                                | RCV-800K                         |
|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------|
| Table diameter (optional)                                                   |                                                                                                                | 800 (1,000)                      |
| Center height                                                               |                                                                                                                | 530                              |
| Center bore                                                                 | Nose Diameter                                                                                                  | 360H7 x 45                       |
|                                                                             | Thru Diameter                                                                                                  | 310                              |
| Table T-slot width                                                          |                                                                                                                | 18H7                             |
| Guide block width                                                           |                                                                                                                | 22h7                             |
| Servo motor (Fanuc)*                                                        |                                                                                                                | Alpha 12i                        |
| Maximum motor speed                                                         | rpm                                                                                                            | 4,000                            |
| Speed reduction ratio                                                       |                                                                                                                | 1/360                            |
| Maximum table speed                                                         | rpm                                                                                                            | 11.1                             |
| Inertia converted into motor shaft $\times 10^{-3}\text{kg}\cdot\text{m}^2$ |                                                                                                                | 4.89                             |
| Clamp system**                                                              |                                                                                                                | Hydraulic                        |
| Clamp torque @500psi                                                        | Nm (ft. lbs.)                                                                                                  | 7,000 (5,159)                    |
| Indexing accuracy                                                           | arc sec.                                                                                                       | $\pm 7.5$                        |
| Net Weight                                                                  | kg (lbs.)                                                                                                      | 1,450 (3,190)                    |
| Allowable wheel torque                                                      | Nm (ft. lbs.)                                                                                                  | 7,840 (5,778)                    |
| Allowable work inertia                                                      | kg·m <sup>2</sup>                                                                                              | 320                              |
| Allowable work weight                                                       |  kg (lbs)<br>[w/ tailstock] | 2,000 (4,400)<br>[4,000 (8,000)] |
|                                                                             |  kg (lbs)                   | 4,000 (8,800)                    |
| Allowable load when table clamped                                           |  N (lbf)                    | 100,000 (22,400)                 |
|                                                                             |  Nm (ft. lbs.)              | 7,000 (5,159)                    |
|                                                                             |  Nm (ft. lbs.)              | 11,600 (8,550)                   |

\* Other motors & RPM available

\*\* Booster optional

Dimensions = mm

Specifications subject to change without notice

## RWE Series Indexers

| Indexer Model                                                                |                                                                                                             | RWE-160 TPC          | RWE-200 TPC           |
|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------|-----------------------|
| Spindle outer diameter                                                       |                                                                                                             | 100h7                | 120h7                 |
| Table diameter (optional)                                                    |                                                                                                             | (160 or 200)         | (200 or 250)          |
| Center height                                                                |                                                                                                             | 135                  | 160                   |
| Center bore                                                                  | Nose Diameter (w/ face plate)                                                                               | 55H7 (50H7)          | 65H7 (60H7)           |
|                                                                              | Thru Diameter                                                                                               | 40                   | 45                    |
| Table T-slot width w/ face plate                                             |                                                                                                             | 12H8                 | 12H8                  |
| Guide block width                                                            |                                                                                                             | 14h7                 | 18h7                  |
| Controller (included with table)                                             |                                                                                                             | TPC-Jr G2            | TPC-Jr G3             |
| Maximum motor speed rpm                                                      |                                                                                                             | 3,000                |                       |
| Speed reduction ratio                                                        |                                                                                                             | 1/60                 | 1/72                  |
| Maximum table speed rpm                                                      |                                                                                                             | 50                   | 41.7                  |
| Inertia converted into motor shaft $\times 10^{-3} \text{kg}\cdot\text{m}^2$ |                                                                                                             | .19                  | .19                   |
| Clamp system                                                                 |                                                                                                             | Pneumatic            |                       |
| Clamp torque @72psi Nm (ft. lbs.)                                            |                                                                                                             | 156 (115)            | 294 (217)             |
| Indexing accuracy arc sec.                                                   |                                                                                                             | $\pm 22.5$           |                       |
| Net Weight kg (lbs.)                                                         |                                                                                                             | 40 (88)              | 65 (143)              |
| Allowable wheel torque Nm (ft. lbs.)                                         |                                                                                                             | 147 (108)            | 264 (195)             |
| Allowable work inertia $\text{kg}\cdot\text{m}^2$                            |                                                                                                             | .48                  | 1.2                   |
| Allowable work weight                                                        |  kg (lbs) [w/ tailstock] | 75 (165) [150 (330)] | 100 (220) [250 (550)] |
|                                                                              |  kg (lbs)                | 150 (330)            | 250 (550)             |
| Allowable load when table clamped                                            |  N (lbf)                 | 7,840 (1,756)        | 13,720 (3,073)        |
|                                                                              |  Nm (ft. lbs.)           | 156 (115)            | 294 (217)             |
|                                                                              |  Nm (ft. lbs.)           | 392 (289)            | 980 (722)             |

| Controller                                               |                 | TPC-Jr                                       |
|----------------------------------------------------------|-----------------|----------------------------------------------|
| Control axis                                             |                 | 1 axis                                       |
| Servo motor                                              |                 | AC servo, ABS detector                       |
| Command unit                                             |                 | 0.001°                                       |
| Dividing number                                          | Direct indexing | 1 to 999999 even indexing                    |
|                                                          | Arc indexing    | 1 to 999 even indexing                       |
| Max. command angle                                       |                 | $\pm 999.999^\circ$                          |
| Command system                                           |                 | INC, ABS, Shortcut ABS, INC/ABS mixed system |
| Input system                                             |                 | Includes MDI & full RS-232 communication     |
| Program control                                          |                 | Workpiece No. (W0000 to 9999)                |
| Program capacity                                         |                 | 1000 blocks in main & sub-program together   |
| Cable supplied (Standard)                                |                 | Between rotary table & TPC-Jr (1 pc.)        |
|                                                          |                 | For motor : 5m                               |
|                                                          |                 | Power cable : 5m                             |
|                                                          |                 | Interlocking cable : 5m                      |
| Power Requirements (less than 100 ohm ground resistance) |                 | 1 Ø 200/220V $\pm 10\%$ 50/60Hz (non-CE)     |
|                                                          |                 | 1 Ø 230V $\pm 10\%$ 50/60Hz (CE)             |
|                                                          |                 | Model Power capacity Fuse Rating             |
|                                                          |                 | Jr H2 1.2KVA 8A                              |
|                                                          |                 | Jr H3 2.2KVA 15A                             |

\* Other motors & RPM available

\*\* Booster optional

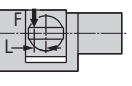
Dimensions = mm

Specifications subject to change without notice

# ROTARY TABLE SPECIFICATIONS



## TWA-Series

| Model                              |                                                                                                         | TWA-130                 |                | TWA-160               |              | TWA-200               |                | TN-320                   |                      |
|------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------|----------------|-----------------------|--------------|-----------------------|----------------|--------------------------|----------------------|
| Tilt Range                         |                                                                                                         | -17° ~ +107°            |                | -30° ~ +110°          |              | -30° ~ +110°          |                | -30° ~ +110°             |                      |
| Spindle outer diameter             |                                                                                                         | 90h7                    |                | 100h7                 |              | 120h7                 |                | -                        |                      |
| Table diameter (optional)          |                                                                                                         | (135)                   |                | 160 (200)             |              | 200 (250)             |                | 320                      |                      |
| Table height at 0° position        |                                                                                                         | 210 (235 w/faceplate)   |                | 235 (260 w/faceplate) |              | 270 (300 w/faceplate) |                | 355                      |                      |
| Center height at 90° position      |                                                                                                         | 150                     |                | 180                   |              | 210                   |                | 255                      |                      |
| Center bore                        | Nose Diameter (w/face plate)                                                                            | 55H7 (40H7)             |                | 55H7 (50H7)           |              | 65H7 (60H7)           |                | 105H7                    |                      |
|                                    | Thru Diameter                                                                                           | 35                      |                | 40                    |              | 45                    |                | 100                      |                      |
| Table T-slot width                 |                                                                                                         | 12H8 (w/faceplate)      |                | 12H8 (w/faceplate)    |              | 12H8 (w/faceplate)    |                | 14H7                     |                      |
| Guide block width                  |                                                                                                         | 14h7                    |                | 18h7                  |              | 18h7                  |                | 18h7                     |                      |
| Servo motor (Fanuc)*               |                                                                                                         | Rotary                  | Tilt           | Rotary                | Tilt         | Rotary                | Tilt           | Rotary                   | Tilt                 |
|                                    |                                                                                                         | Alpha 2i                | Alpha 2i       | Alpha 2i              | Alpha 2i     | Alpha 4i              | Alpha 4i       | Alpha 8i                 | Alpha 8i             |
| Maximum motor speed                | rpm                                                                                                     | 5,000                   | 5,000          | 5,000                 | 5,000        | 5,000                 | 5,000          | 4,000                    | 4,000                |
| Speed reduction ratio              |                                                                                                         | 1/60                    | 1/120          | 1/72                  | 1/120        | 1/45                  | 1/90           | 1/120                    | 1/240                |
| Maximum table speed                | rpm                                                                                                     | 83.3                    | 41.7           | 69.4                  | 41.7         | 88.9                  | 44.4           | 33.3                     | 16.7                 |
| Inertia converted into motor shaft | x 10 <sup>-3</sup> kg·m <sup>2</sup>                                                                    | .074                    | .072           | .17                   | .18          | .38                   | .45            | .82                      | .45                  |
| Clamp system                       |                                                                                                         | Pneumatic<br>Dual Taper |                |                       |              |                       |                | Hydraulic<br>@500 psi ** |                      |
| Clamp torque @72psi                | Nm<br>(ft. lbs.)                                                                                        | 500<br>(369)            | 500<br>(369)   | 500<br>(369)          | 800<br>(590) | 800<br>(590)          | 1,000<br>(737) | [2,200]<br>[(1,621)]     | [2,200]<br>[(1,621)] |
| Indexing accuracy                  | arc sec.                                                                                                | ±20                     | -              | ±15                   | -            | ±15                   | -              | ±10                      | -                    |
| Tilting accuracy                   | arc sec.                                                                                                | -                       | ±22.5          | -                     | ±22.5        | -                     | ±22.5          | -                        | ±22.5                |
| Net Weight                         | kg (lbs.)                                                                                               | 76 (167)                |                | 127 (279)             |              | 190 (418)             |                | 440 (968)                |                      |
| 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                     |                      |
| Allowable work weight              | 0° tilt angle        | kg<br>(lbs)             | 35<br>(77)     | 60<br>(132)           |              | 120<br>(264)          |                | 150<br>(330)             |                      |
|                                    | 0° ~ 90° tilt angle  | kg<br>(lbs)             | 20<br>(44)     | 40<br>(88)            |              | 70<br>(154)           |                | 100<br>(220)             |                      |
| Allowable work moment              |                      | Nm<br>(ft. lbs.)        | 24<br>(17.7)   | 39.2<br>(28.9)        |              | 53.7<br>(39.6)        |                | 163.3<br>(120.4)         |                      |
| Allowable load when table clamped  |                      | N (lbf)                 | 3,920<br>(878) | 7,840<br>(1,756)      |              | 13,720<br>(3,073)     |                | 19,600<br>(4,390)        |                      |
|                                    |                      | Nm<br>(ft. lbs.)        | 500<br>(369)   | 500<br>(369)          |              | 800<br>(590)          |                | 2,200<br>(1,621)         |                      |
|                                    |                      | Nm<br>(ft. lbs.)        | 500<br>(369)   | 800<br>(590)          |              | 1,000<br>(737)        |                | 2,200<br>(1,621)         |                      |

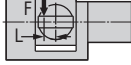
\* Other motors & RPM available

\*\* Booster optional

Dimensions = mm

Specifications subject to change without notice

## TBS-Series & RTT-111,CA

| Model                              |                                                                                                         | TBS-130               |             | TBS-160               |           | RTT-111, CA          |           |
|------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------------|-------------|-----------------------|-----------|----------------------|-----------|
| Tilt Range                         |                                                                                                         | -30° ~ +110°          |             | -30° ~ +110°          |           | -17° ~ +107°         |           |
| Spindle outer diameter             |                                                                                                         | 90h7                  |             | 100h7                 |           |                      |           |
| Table diameter (optional)          |                                                                                                         | (135)                 |             | (160 or 200)          |           |                      |           |
| Table height at 0° position        |                                                                                                         | 225 (250 w/faceplate) |             | 270 (300 w/faceplate) |           | 190                  |           |
| Center height at 90° position      |                                                                                                         | 160                   |             | 200                   |           | 190                  |           |
| Center bore                        | Nose Diameter (w/face plate)                                                                            | 55H7 (40H7)           |             | 55H7 (50H7)           |           | --                   |           |
|                                    | Thru Diameter                                                                                           | 40                    |             | 40                    |           | --                   |           |
| Table T-slot width                 |                                                                                                         | 12H8                  |             | 12H8                  |           | --                   |           |
| Guide block width                  |                                                                                                         | 14h7                  |             | 18h7                  |           | 14H7                 |           |
| Servo motor (Fanuc)*               |                                                                                                         | Rotary                | Tilt        | Rotary                | Tilt      | Rotary               | Tilt      |
|                                    |                                                                                                         | Alpha 2i              | Alpha 2i    | Alpha 2i              | Alpha 4i  | Alpha 2i             | Alpha 2i  |
| Maximum motor speed                | rpm                                                                                                     | 5,000                 | 5,000       | 5,000                 | 5,000     | 5,000                | 5,000     |
| Speed reduction ratio              |                                                                                                         | 1/48                  | 1/60        | 1/60                  | 1/60      | 1/60                 | 1/120     |
| Maximum table speed                | rpm                                                                                                     | 104.2                 | 83.3        | 83.3                  | 83.3      | 83.3                 | 41.7      |
| Inertia converted into motor shaft | $\times 10^{-3} \text{kg}\cdot\text{m}^2$                                                               | .074                  | .072        | .17                   | .18       | .074                 | .072      |
| Clamp system                       |                                                                                                         | Pneumatic             |             |                       |           | Pneumatic Dual Taper |           |
| Clamp torque @72psi                | Nm (ft. lbs.)                                                                                           | 700 (516)             | 700 (516)   | 700 (516)             | 700 (516) | 500 (369)            | 500 (369) |
| Indexing accuracy                  | arc sec.                                                                                                | ±10                   | -           | ±10                   | -         | ±20                  | -         |
| Tilting accuracy                   | arc sec.                                                                                                | -                     | ±17.5       | -                     | ±17.5     | -                    | ±30       |
| Net Weight                         | kg (lbs.)                                                                                               | 125 (276)             |             | 160 (353)             |           | 98 (216)             |           |
| Allowable wheel torque - rotary    | Nm (ft. lbs.)                                                                                           | -                     |             | -                     |           | 152 (112)            |           |
| Allowable work inertia             | $\text{kg}\cdot\text{m}^2$                                                                              | .08                   |             | .19                   |           | .08                  |           |
| Allowable work weight              | 0° tilt angle        | kg (lbs)              | 35 (77)     | 60 (132)              |           | 35 (77)              |           |
|                                    | 0° ~ 90° tilt angle  | kg (lbs)              | 20 (44)     | 40 (88)               |           | 20 (44)              |           |
| Allowable work moment              |                      | Nm (ft. lbs.)         | 61.1        | 59.6                  |           | 57 (42)              |           |
| Allowable load when table clamped  |                      | N (lbf)               | 3,920 (878) | 10,800                |           | 3,920 (878)          |           |
|                                    |                      | Nm (ft. lbs.)         | 700 (516)   | 700 (516)             |           | 500 (369)            |           |
|                                    |                      | Nm (ft. lbs.)         | 700 (516)   | 700 (516)             |           | 500 (369)            |           |

\* Other motors & RPM available

\*\* Booster optional

Dimensions = mm

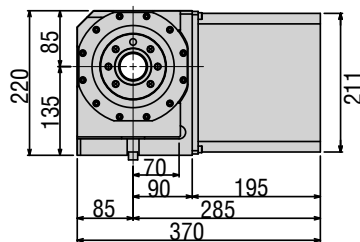
Specifications subject to change without notice

# ROTARY TABLE DIMENSIONS

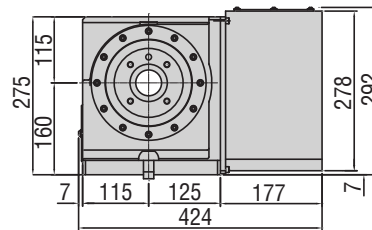
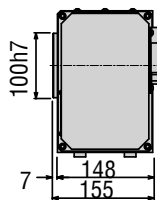


## RWE | RWA | RWE TPC

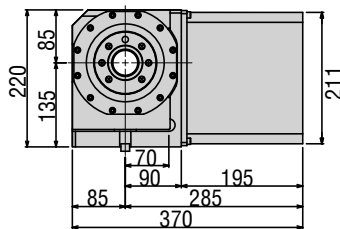
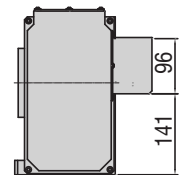
(Drawings Not To Scale)



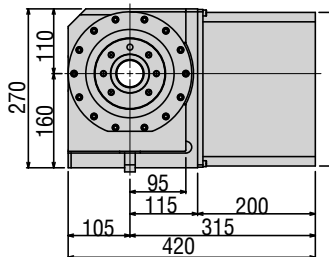
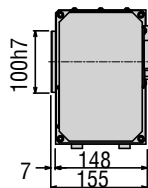
**RWE-160**



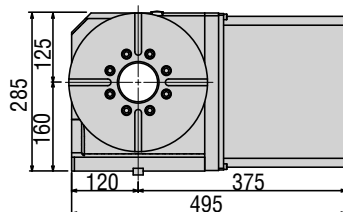
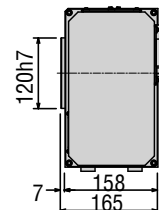
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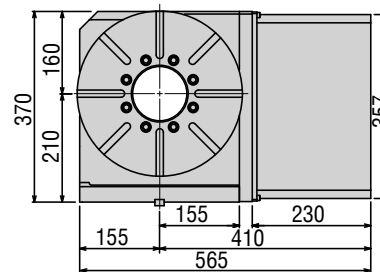
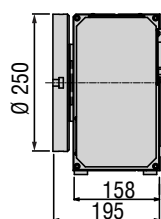
**RWA-160**



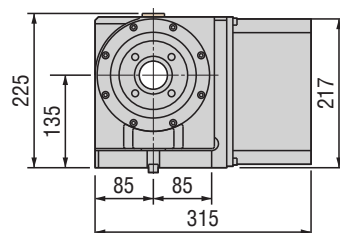
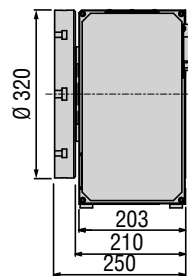
**RWA-200**



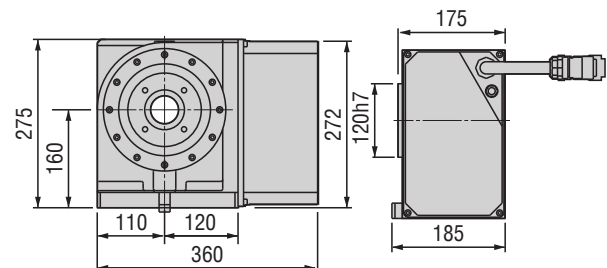
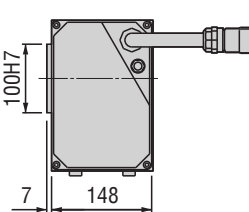
**RWA-250**



**RWA-320**



**RWE-160 TPC**



**RWE-200 TPC**

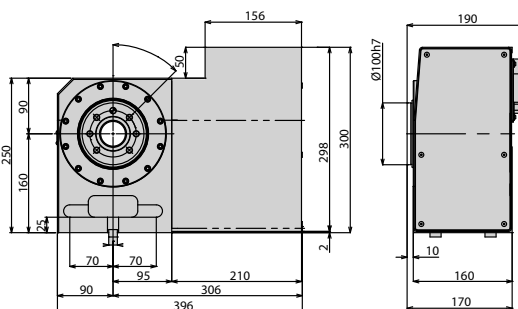
Please contact Koma Precision to confirm Hyundai-Wia / Tsudakoma Rotary Table working envelope.

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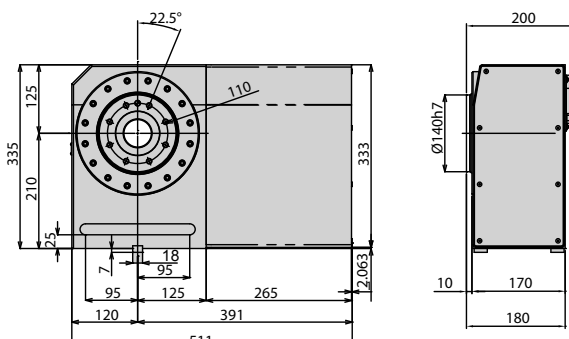
## RBS | RN-MULTI

(Drawings Not To Scale)

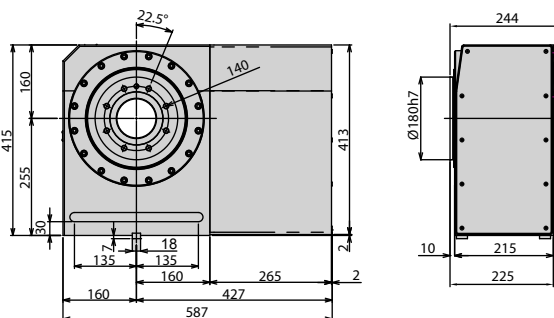
### RBS-160



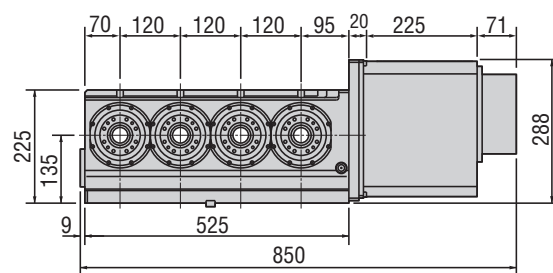
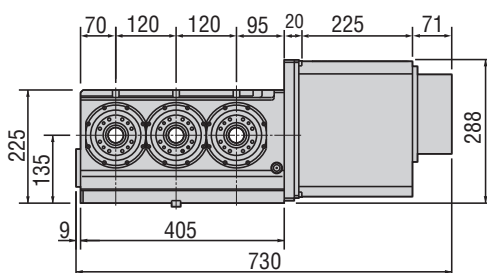
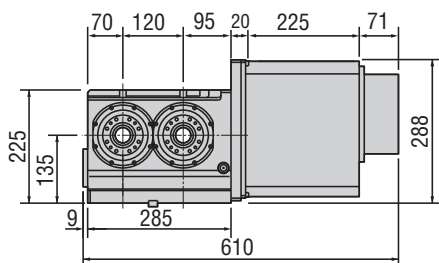
### RBS-250



### RBS-320



### RN-100,R-2,3,4



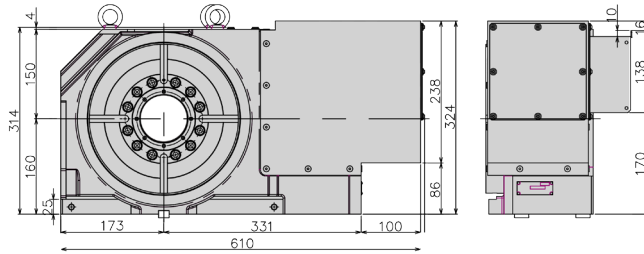


# ROTARY TABLE DIMENSIONS

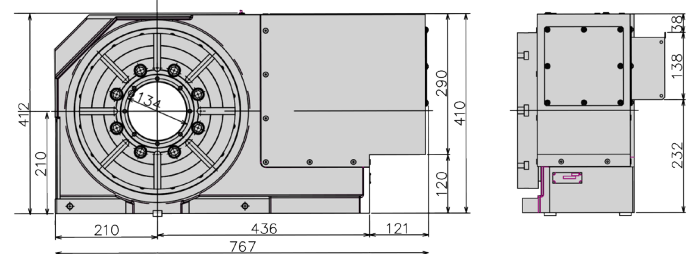


## RWB | RWB,K

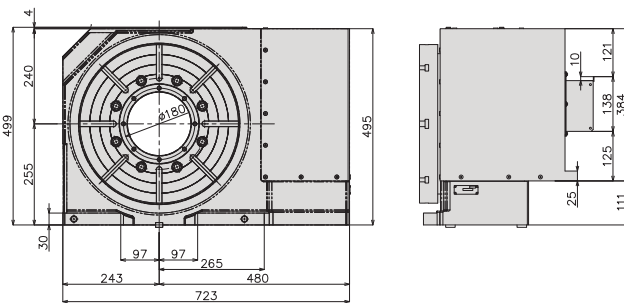
(Drawings Not To Scale)



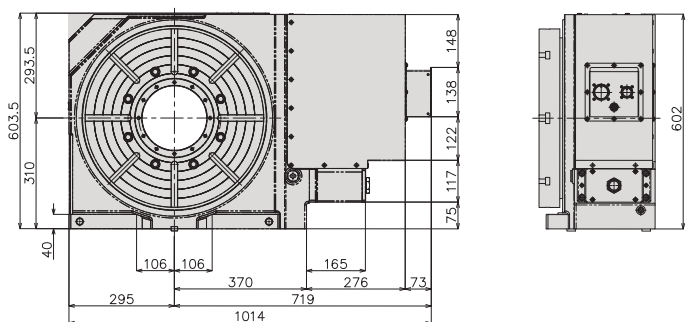
**RWB-250,R**



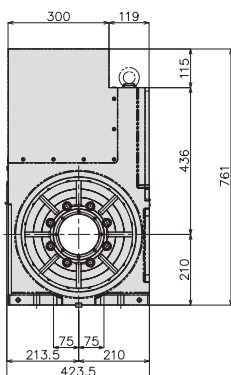
**RWB-320,R**



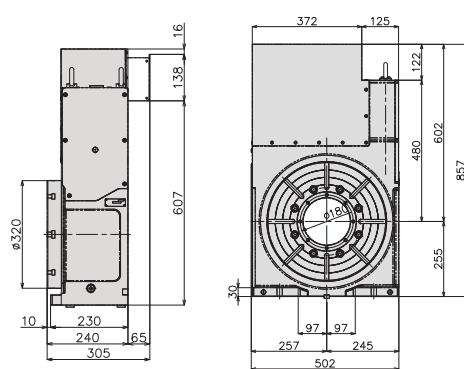
**RWB-400,R**



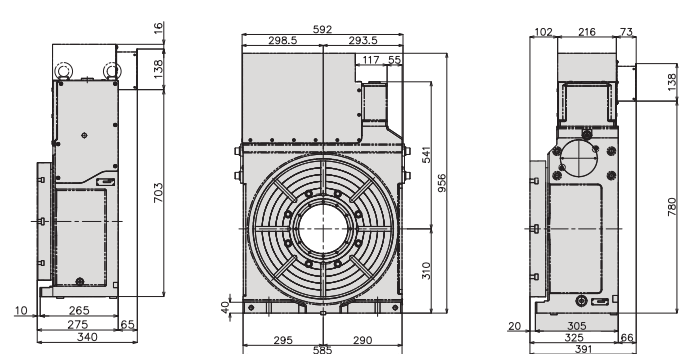
**RWB-500,R**



**RWB-320K**



**RWB-400K**



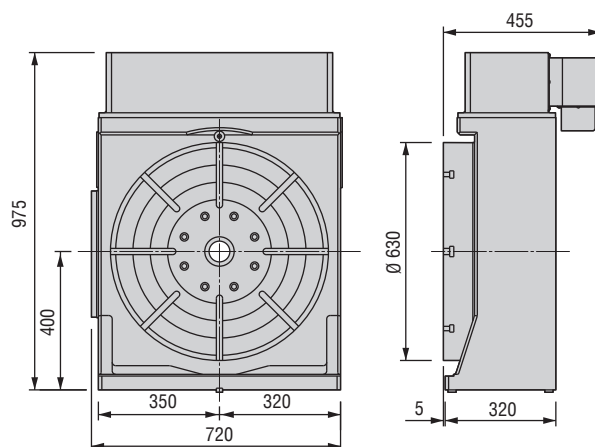
**RWB-500K**

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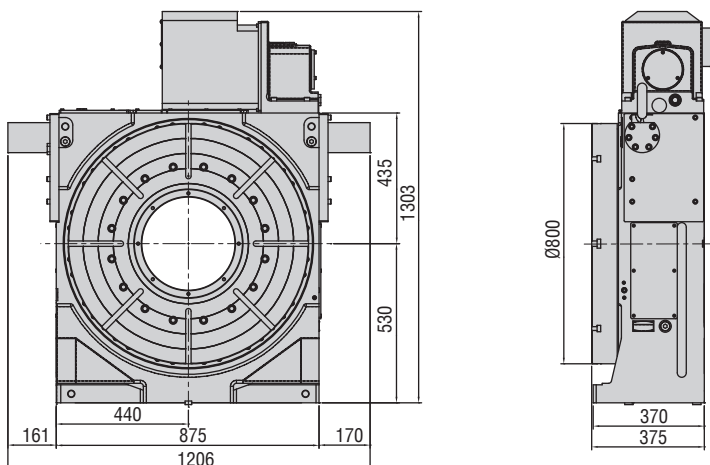
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## RNCK | RCV,K

(Drawings Not To Scale)



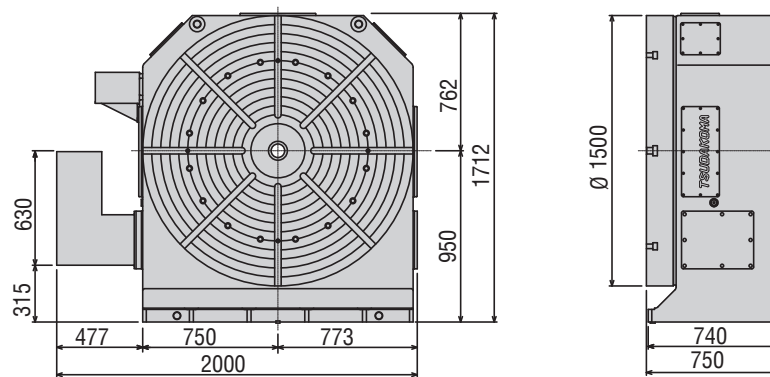
### RNCK-631



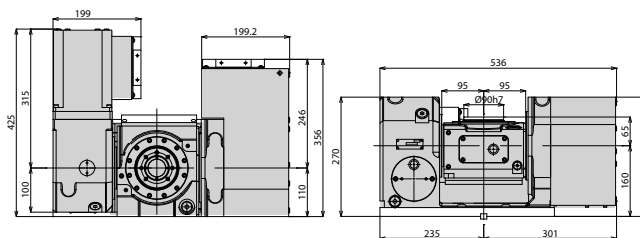
### RCV-800K

## RNCV,L | TBS

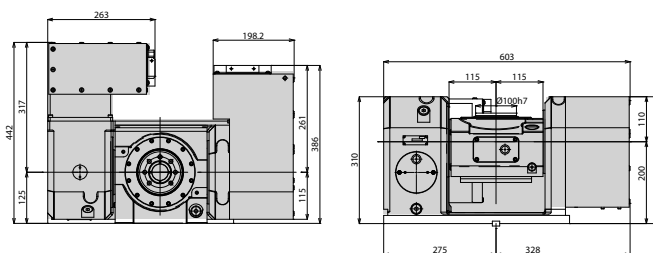
(Drawings Not To Scale)



**RNCV-1501,L**



**TBS-130**

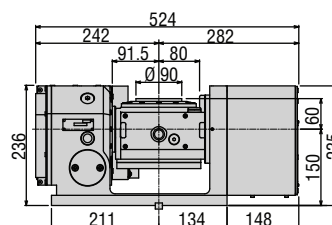
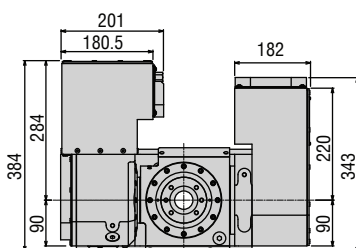


**TBS-160**

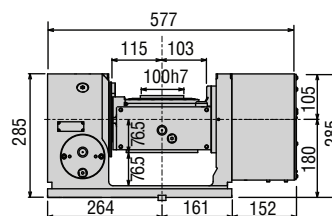
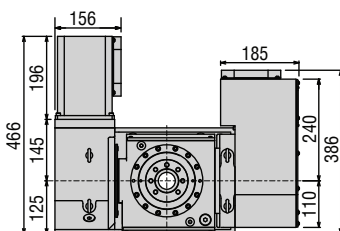
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## TWA | RTT (Drawings Not To Scale)

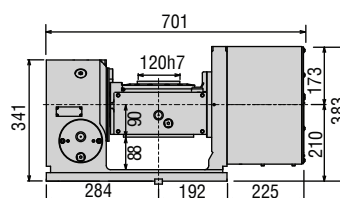
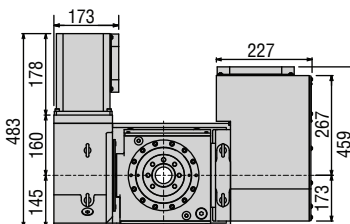
**TWA-130**



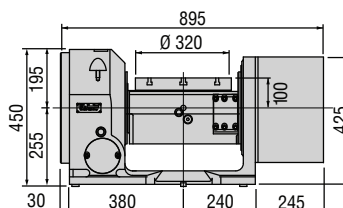
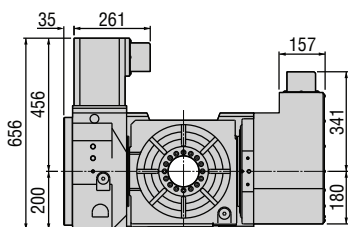
**TWA-160**



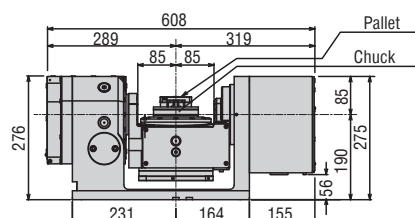
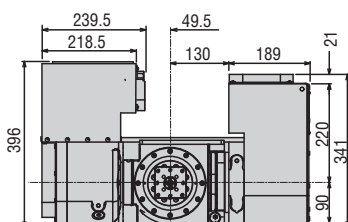
**TWA-200**



**TN-320**



**RTT-111, CA**







Tel: 1.800.249.5662  
Fax: 860.623.4132

info@komaprecision.com  
www.komaprecision.com

20 Thompson Road  
East Windsor, CT 06088