

RTT-111,CA

DROP TRUNNION • EQUIPPED TO UTILIZE A VARIETY OF WORKHOLD SYSTEMS

For five axis machining, the RTT with its pallet system allows for unprecedented access (five sides) to the part. Parts that are held with vises, chucks, and clamps limit the access (up to four sides), thus decreasing the efficiency of the process. Because the RTT turns on center, shorter tools and less spindle travel is required. The uniqueness of the pallet system also creates a lower profile than parts that are held with vises, chucks, and clamps thus increases the rigidity. Two pneumatic rotary joints on the rotary axis allow automated clamping/un-clamping of a number of chuck & pallet system.

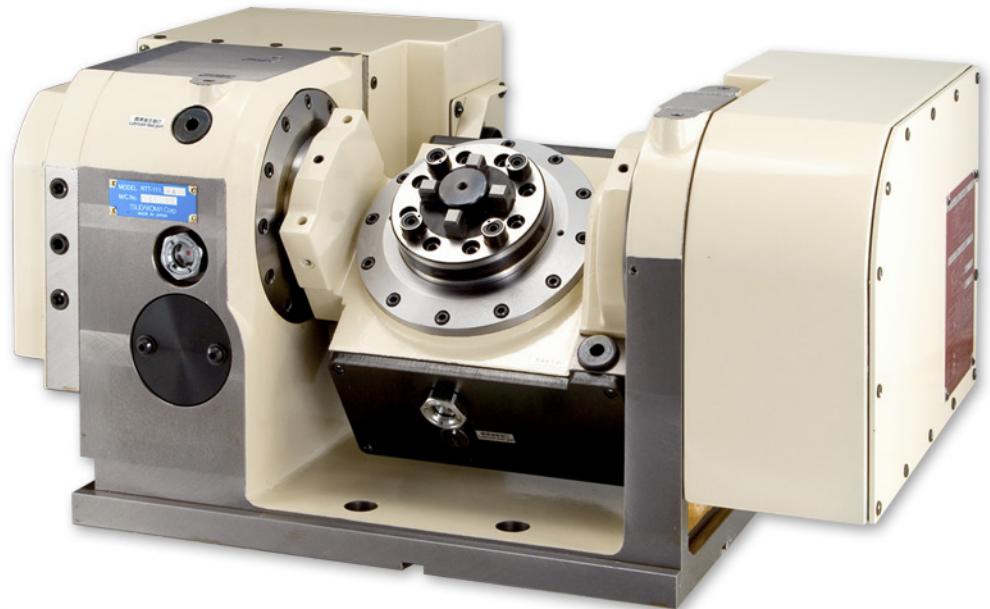


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Drop Trunnion Rotary Table

HIGH SPEED
SMALL FOOTPRINT



3R Chuck & Pallet



Erowa Chuck & Pallet



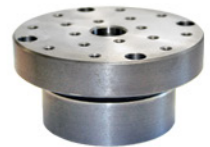
Northfield 5C



Northfield 2 Jaw Chuck
Northfield 3 Jaw Chuck







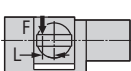

Hirschmann Chuck



Standard Faceplate

Equipped to utilize a variety of workhold systems.



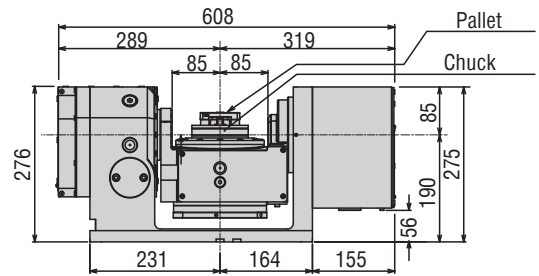
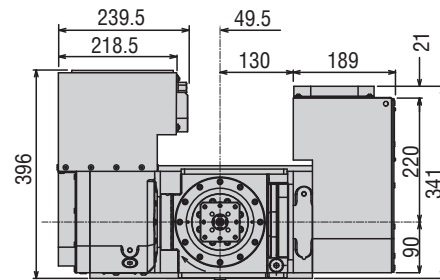
| Model | | RTT-111,CA | |
|-------------------------------------|-------------------------------------------------------------------------------------|---------------------------|----------------------|
| Tilt Range | | -17° ~ +107° | |
| Spindle Output | | See Options & Accessories | |
| Height at 0° position (w/out chuck) | mm | 190 | |
| Center height at 90° position | mm | 190 | |
| Guide block width | | 14h7 | |
| Servo motor (Fanuc)* | | <i>Rotary</i> | <i>Tilt</i> |
| | | Alpha 2i | Alpha 2i |
| Maximum motor speed | rpm | 5,000 | 5,000 |
| Speed reduction ratio | | 1/60 | 1/120 |
| Maximum table speed | rpm | 83.3 | 41.7 |
| Inertia converted into motor shaft | $\times 10^{-3} \text{kg}\cdot\text{m}^2$ | .074 | .072 |
| Clamp system | | Pneumatic Dual Taper | Pneumatic Dual Taper |
| Clamp torque @72psi | Nm (ft. lbs.) | 500 (369) | 500 (369) |
| Indexing accuracy | | arc sec. | ±20 |
| Tilting accuracy | | arc sec. | - |
| Net Weight | | kg (lbs.) | 98 (216) |
| Allowable wheel torque - rotary | | Nm (ft. lbs.) | 152 (112) |
| Allowable work inertia | | kg·m ² | .08 |
| Allowable work weight kg (lbs) |  | 0° tilt angle | 35 (77) |
| |  | 0° ~ 90° tilt angle | 20 (44) |
| Allowable work moment |  | Nm (ft. lbs.) | 57 (42) |
| Allowable load when table clamped |  | N (lbf) | 3,920 (878) |
| |  | Nm (ft. lbs.) | 500 (369) |
| |  | Nm (ft. lbs.) | 500 (369) |

* Other motors & RPM available
Specifications subject to change without notice

Dimensions

Drawings not to scale • Dimensions = mm

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The dimensions above are for tables with a FANUC servo motor.
Other motors available (dimensions may increase).

Options & Accessories

| 3R Chuck, Pallet & Draw Bar System | |
|------------------------------------|--------------|
| Chuck | 3R-600.86-30 |
| 70mm x 70mm Pallet | 3R-601.7E-P |
| Draw Bar | 3R-605.1 |
| Erowa Chuck & Pallet System | |
| Chuck | ER-007625 |
| Pallet | ER-032731 |
| Northfield | |
| 5C | TA-02900-00 |
| 4"-2 Jaw Chuck | call |
| 4"-3 Jaw Chuck | TA-02970-00 |
| Hirschmann | |
| Chuck | H6.11.10 |
| Koma | |
| Face Plate | call |