

RKS-T600/T650

High-speed Drilling and Tapping Center Series



MACHINE FEATURES

- ◆ The super large column and super large solid six-point support structure span base, stable, no deformation, no shocking;
- ◆ High-function AC spindle servo motor and humanized conversational interface for easy operation.
- ◆ The direct connection between the motor and the spindle, less backlash, torque transmission more stable, nice processed surface, higher efficiency of high-rigidity tapping while avoiding temperature rise and noise;
- ◆ The high-speed spindle motor directly drives the spindle to achieve high-speed and high-precision processing, low inertia spindle design, high stability;
- ◆ The clamp arm tool changer, tools changing quickly and accurately, with a tool change time of 1.4 seconds, suitable for drilling holes with smaller diameters;
- ◆ A large inclined chip removal angle, quickly cleans the chips and faster return speed of the cutting fluid;
- ◆ Powerful electromechanical integration application technology, sensitive response speed of the transmission chain, eliminates inaction and non-cutting time during processing to improve production efficiency.

APPLICATION

It is mainly used for processing small parts in general industry, auto parts, medical equipment and other industries.

STANDARD ACCESSORIES

4 sets tool handles and rivet, 1 pc knife lock holder, 1 set mouth&airsoft&memory card, i set hexagon socket

MACHINE PARAMETERS

| Item | Unit | RKS-T600 | RKS-T650 | RKS-T750 | RKS-T800 | |
|---------------|--|-----------|----------------|----------------|----------------|----------------|
| Travel | X axis travel | mm | 600 | 650 | 750 | 800 |
| | Y axis travel | mm | 400 | 450 | 450 | 500 |
| | Z axis travel | mm | 360 | 400 | 400 | 420 |
| | Distance from spindle end face to milling table | mm | 150-510 | 130-530 | 130-530 | 130-530 |
| | Distance from spindle center to column | mm | 523 | 533 | 533 | 546 |
| Milling Table | Table size | mm | 700×420 | 750×460 | 850×460 | 1000×500 |
| | T-slot size/amount /distance | mm/pcs/mm | 14×2×100 | 14×3×125 | 14×3×125 | 18×5×102 |
| | Max load on table | kg | 350 | 350 | 350 | 500 |
| Spindle | Spindle taper | | BT30 | BT30 | BT30 | BT30 |
| | Max rotation speed | rpm | 20000 | 20000 | 20000 | 20000 |
| Tool Changer | Tool type | Type | Clamp type | Clamp type | Clamp type | Clamp type |
| | Tool quantity | pcs | 21 | 21 | 21 | 21 |
| | Max. tool diameter | mm | 16/21 | 16/21 | 16/21 | 16/21 |
| | Max. tool diameter (tools slots beside not occupied) | mm | 60-100 | 60-100 | 60-100 | 60-100 |
| | Max. tool length | mm | 80-140 | 80-140 | 80-140 | 80-140 |
| | Max. tool weight | mm | 200-250 | 200-250 | 200-250 | 200-250 |
| | Tool change time T-T | s | 1.2 | 1.2 | 1.2 | 1.2 |
| Speed | Fast moving speed (X/Y/Z) | m/min | 48/48/48 | 48/48/48 | 48/48/48 | 48/48/48 |
| | Cutting speed (X/Y/Z) | m/min | 10/10/10 | 10/10/10 | 10/10/10 | 10/10/10 |
| Accuracy | Positioning accuracy (X/Y/Z) | mm | 0.008 | 0.008 | 0.008 | 0.008 |
| | Repeat position accuracy (X/Y/Z) | mm | 0.005 | 0.005 | 0.005 | 0.005 |
| Others | Air source | L/min | 280L/min | 280L/min | 280L/min | 280L/min |
| | Air pressure | bar | 6~8bar | 6~8bar | 6~8bar | 6~8bar |
| | Total power | kva | 10 | 10 | 10 | 25 |
| | Dimension (L*W*H) | mm | 2100×1800×2350 | 2030×2428×2433 | 2030×2428×2433 | 2300×2400×2700 |
| | Weight | kg | 3500 | 3500 | 3800 | 4200 |