

RKS-46DWY/52DWY

Power Turret Turn-milling Compound Machine



MACHINE FEATURES

- ◆ One piece cast mold, large shocking proof damping and less deformation;
- ◆ 45 degree slant bed design, easy to get on and off workpieces, convenient to remove chip, assured of processing accuracy and smoothness;
- ◆ 12/15 station servo power turret, more positions for knives and fast tool changing;
- ◆ Hydraulic tailstock, higher rigidity and stability during processing heavy and big parts;
- ◆ Simple operation interface and programming system, easy to operate, and production efficiency highly improved;

APPLICATION

The machine is suitable for processing batch continuous parts within a diameter of 46/52mm, which requires turning and milling integrated, as well as processing clamping large-diameter single-piece, with high-precision, high-efficiency, and multi-functional requirements, and widely used in new energy vehicles, optical instruments, medical equipment, oil pipelines, special motors, hydraulic and pneumatic engineering and other industries.

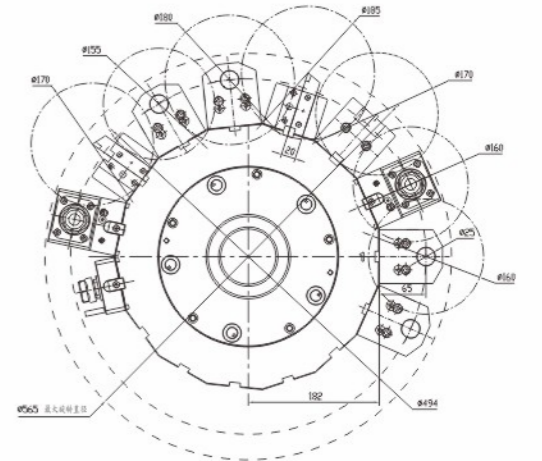


STANDARD ACCESSORIES

1 pc user manual, 4 pcs power turret tool holders, 8 pcs row knife holders, 1 pc foot switches, 1 set hex wrench, 1 pc collect, 1 pc stop nut, 1 pc timple

OPTIONAL ACCESSORIES

Chuck, feeder, chip conveyor, manipulator, power turret, power head optional



MACHINE PARAMETERS

| Item | Unit | RKS-46DWY | RKS-52DWY | |
|--------------------------|--------------------------------------|-----------|----------------|----------------|
| Processing Capacity | Max rotation diameter | mm | Φ400 | Φ500 |
| | Max turning diameter | mm | Φ170 | Φ210 |
| | Max cutting length | mm | 350 | 380 |
| | X axis travel | mm | 230 | 230 |
| | Y axis travel | mm | 70 | 100 |
| | Z axis travel | mm | 35 | 500 |
| Spindle | Spindle nose | | A2-5 | A2-6 |
| | Spindle through-hole diameter | mm | Φ56 | Φ66 |
| | Max bar diameter | mm | Φ45 | Φ52 |
| | Max rotation speed | r/min | 6000 | 4500 |
| | Spindle motor power | kw | 7.5 | 11 |
| | Spindle drive power | kw | 7.5 | 11 |
| | Chuck diameter/size | inch | 6" | 8" |
| Feed Axis | X axis positioning accuracy | mm | 0.005 | 0.005 |
| | Y axis positioning accuracy | mm | 0.005 | 0.005 |
| | Z axis positioning accuracy | mm | 0.005 | 0.005 |
| | X axis repeat positioning accuracy | mm | 0.002 | 0.002 |
| | Y axis repeat positioning accuracy | mm | 0.002 | 0.002 |
| | Z axis repeat positioning accuracy | mm | 0.002 | 0.002 |
| | X/Y/Z axis fast-moving speed | m/min | 24 | 24 |
| | X/Y/Z axis motor power | kw | 2.4 | 2.4 |
| Power Head | Number of forward milling axes | pcs | 4 | 4 |
| | Number of side milling axes | pcs | 4 | 4 |
| | Max. processing length of power head | mm | 350 | 380 |
| | Max. speed of power head | r/min | 4000 | 4000 |
| | Power head motor power | kw | 2.3 | 2.3 |
| | Power head drive power | kw | 2.3 | 2.3 |
| Power Turret | Specification | | 15 station | 15 station |
| | Tool changing speed | s | 0.2 | 0.2 |
| | Turret motor power | kw | 1.0 | 1.0 |
| | Turret drive power | kw | 1.0 | 1.0 |
| Hydraulic Tailstock | Tailstock body travel | mm | 300 | 450 |
| | Tailstock sleeve travel | mm | 80 | 80 |
| | Tailstock motor power | kw | N/A | N/A |
| | Tailstock drive power | kw | N/A | N/A |
| Cooling Lubricant System | Cooling pump motor power | kw | 0.75 | 0.75 |
| | Tank capacity | L | 130 | 100 |
| Others | Dimension (L*W*H) | mm | 2230*1600*1750 | 2460*1880*1850 |
| | Total Power | kva | 20 | 24 |
| | Weight | kg | 3600 | 4200 |