

RKS-46Y/52Y

Turning-Milling Compound Machine



MACHINE FEATURES

- ◆ One piece cast mold, large shocking proof damping and less deformation;
- ◆ 30 degree slant bed design, easy to get on and off workpieces, convenient to remove chip, assured of processing accuracy and smoothness;
- ◆ 12-station servo turret and 4-end and 4-side milling power head, processing complex parts in one time by turned, milled, drilled and tapped in one clamping on end and side surface;
- ◆ Bigger space for knives, larger rotary processing diameters to realize continuous automatic processing of most entire bars;
- ◆ 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, motorcycles, optical instruments, medical equipment, hydraulic and pneumatic engineering and other industries.

STANDARD ACCESSORIES

1 pc user manual, 5 pcs turret tool holders, 1 pc foot switches, 1 set hex wrench, 1 pc collect, 1 pc stop nut

OPTIONAL ACCESSORIES

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

MACHINE PARAMETERS

Item	Unit	RKS-46Y	RKS-52Y	
Processing Capacity	Max rotation diameter	mm	Φ500	Φ500
	Max turning diameter	mm	Φ140	Φ140
	Max cutting length	mm	400	400
	X axis travel	mm	900	900
	Y axis travel	mm	230	230
	Z axis travel	mm	450	450
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	7.5/11
	Spindle drive power	kw	7.5	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/Z/Y axis fast-moving speed	m/min	30/30/18	30/30/18
	X/Z/Y 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	400	400
	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
Turret	Specification		12 station	12 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
Cooling Lubricant System	Cooling pump motor power	kw	0.75	0.75
	Tank capacity	L	70L	70L
Others	Dimension (L*W*H)	mm	2050*1935*2110	2050*1935*2110
	Total Power	kva	19	19
	Weight	kg	3400	3500