

RKS-46DSL/52DSL

Dual Spindle Power Turret Machine



MACHINE FEATURES

- ◆ The dual-spindle design allows processing while the workpiece is clamped, reducing the repositioning of parts between different spindles, and suitable for cutting force work that requires large torque and high precision;
- ◆ The power turret can rotate and support a variety of tools, allowing the machine tool to complete multiple processes in one clamping, supporting multiple processes and improving cutting efficiency;
- ◆ Dual-spindle power turrets with ability to control multiple axes, which allows the workpiece to be processed in multiple directions simultaneously, allowing more complex part geometries to be processed;
- ◆ Suitable for complex parts that require multi-faceted processing by using the power turret, multiple tools can be quickly replaced and complex contours can be processed easily;
- ◆ Geometric tolerance can be effectively guaranteed that were original difficult to guaranteed due to process break down after equipped with dual spindle and power turret;

APPLICATION

The machine is suitable for products with diameters within 46/52mm, especially products with multiple processes and complex parts. It is widely used in automobile manufacturing, aerospace, medical equipment, energy industry, and general machinery manufacturing and other industries;

STANDARD ACCESSORIES

1 set hex wrench, 2 pc stop nut, 1 pc U disk, 1 pc BMT45 end face tool holder, 3 pcs BMT45 round hole tool holder, 4 pcs BMT45 outer diameter tool holder, 2 pcs BMT45-90-15 end face power tool holder, 2 pcs BMT45-0-15 side face power tool holder

OPTIONAL ACCESSORIES

Chuck, material catcher, chip conveyor, feeder, manipulator

MACHINE PARAMETERS

	Item	Unit	RKS-46DSL	RKS-52DSL
Processing Capacity	Max rotation diameter	mm	Φ500	Φ500
	Max turning diameter	mm	Φ400	Φ400
	Max cutting length	mm	300	300
	X axis travel	mm	200	200
	Y axis travel	mm	100	100
	Z axis travel	mm	320	320
Spindle	Spindle nose		A2-4/A2-5	A2-5/A2-6
	Spindle through-hole diameter	mm	Φ56/46	Φ66/56
	Max bar diameter	mm	Φ45/35	Φ51.5/46
	Max rotation speed	r/min	5000/5000	5000/5000
	Chuck diameter/size	inch	5" /6"	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 repeatability of positioning accuracy	mm	0.003	0.003
	Y axis repeatability of positioning accuracy	mm	0.003	0.003
	Z axis repeatability of positioning accuracy	mm	0.003	0.003
	X/Y/Z/ axis fast-moving speed	m/min	24	24
X/Y/Z/ axis motor power	kw	2.4	2.4	
Power Head	Max. processing length of power head	mm	320	320
	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
	Specification		15 station	15 station
Power Turret	Turret changing speed	s	0.3	0.3
	Turret motor power	kw	1	1
	Turret drive power	kw	1	1
Cooling Lubricant System	Cooling pump motor power	kw	0.75	0.75
	Tank capacity	L	100	100
	Dimension (L*W*H)	mm	2580*1900*2135	2580*1900*2135
Others	Total Power	kva	35	46
	Weight	kg	4200	4200