

RKS-850L/1060L

Two-line Integrated Hard Rail Machining Center Series



MACHINE FEATURES

- ◆ Fixed column type and Y-axis with four-guide rail design to ensure heavy load capacity and accuracy during processing;
- ◆ The combination of the X/Y axes high speed of linear rail and the Z axis high rigidity of hard rail, suitable for processing different material and with heavy cutting ability and good shock absorption;
- ◆ Rear flushing chip removal with a built-in double screw conveyor, and rear water tank design, automated and efficient. The labyrinth water tank filtration system structure, good cutting fluid for workpiece processing;
- ◆ The high-speed tool changing design, combined with pre-sensing control and high-efficiency tool cutting system, fast tool changing speed;
- ◆ A double nut design precision ball screw, and a total of five ball bearings applied in the support seats at both ends to lock and pre-tension to ensure the stable accuracy during thermal expansion.

APPLICATION

It is suitable for processing various types of small and medium-sized batches of complex parts such as medium and large boxes, plates, disks, valves, shells, molds, etc. And widely used in precision parts, hardware, auto parts, and medical equipment industries.

STANDARD ACCESSORIES

1 set vise and horse iron, 4 sets tool handle and rivets, 1 pc knife lock holder, 1 set mouth&airsoft&memory card, 1 set hexagon socket

MACHINE PARAMETERS

Item		Unit	RKS-850L	RKS-1060L	RKS-1270L	RKS-1370L
Travel	X axis travel	mm	800	1000	1200	1300
	Y axis travel	mm	500	600	700	700
	Z axis travel	mm	500	600	600	600
	Distance from spindle end face to milling table	mm	110-610	70-670	87-687	150-750
	Distance from spindle center to column	mm	560	655	785	785
Milling Table	Table size	mm	1000×500	1300×600	1360×700	1360×700
	T-slot size/amount /distance	mm/pcs/mm	450	800	1000	1000
	Max load on table	kg	18×5×90	18×5×100	18×5×122	18×5×122
Spindle	Spindle taper		BT40	BT40	BT40/BT50	BT40/BT50
	Max spindle rotation speed	rpm	8000/10000	8000/10000	8000/10000	8000/10000
	Spindle power	kw	7.5	11	11	15
Tool Changer	Tool type	Type	Knife arm type	Knife arm type	Knife arm type	Knife arm type
	Tool quantity	pcs	24	24	24	24
	Max. tool diameter	mm	78	78	78	78
	Max. tool diameter (tools slots beside not occupied)	mm	120	120	120	120
	Max. tool length	mm	300	300	300	300
	Max. tool weight	mm	8	8	8	8
Tool changing time	s	1.7	1.7	1.7	1.7	
Speed	Fast moving speed (X/Y/Z)	m/min	24/24/24	24/24/24	24/24/20	24/24/20
	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	0.01	0.01
	Repeat position accuracy (X/Y/Z)	mm	0.005	0.005	0.006	0.006
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	25	25	30	30
	Dimension (L*W*H)	mm	2700×2400×2900	3300×2700×2900	3600×2800×2900	3600×2800×2900
	Weight	kg	6000	8500	9000	9500