

RKS-850B/1060B

Three Hard Rail High Rigid Mold Machine Series



MACHINE FEATURES

- ◆ Fixed column type, cross slide structure, extra-large stable base and high-rigidity large-span herringbone columns, lesser deformation during high-speed cutting;
- ◆ The X/Y/Z axes with high-rigidity rectangular hard rails, good shock absorption and good heavy-cutting performance.
- ◆ A high-speed and high-precision spindle unit, the front end with a labyrinth design, and an air curtain protection function to prevent cutting fluid from entering the spindle bearing;
- ◆ A front chip removal design placed inside of the machine table to save space, with large cutting fluid capacity, quickly discharge the cutting heat.
- ◆ Equipped with a high-performance CNC system to ensure the stability of machine tool control and have excellent CNC processing functions and auxiliary functions.
- ◆ 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 small and medium-sized batch processing of various types of complex parts such as small and medium-sized boxes, plates, valves, shells, molds, etc. and widely used in precision parts, precision molds, 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-850B	RKS-1060B	RKS-1270B	RKS-1370B	RKS-1580B	RKS-1690B	RKS-1890B	
Travel	X axis travel	mm	800	1000	1200	1300	1500	1600	1800
	Y axis travel	mm	500	600	700	700	800	900	900
	Z axis travel	mm	550	600	600	650	700	680	800
	Distance from spindle end face to milling table	mm	105-655	180-780	150-750	150-800	185-885	160-840	160-960
	Distance from spindle center to column	mm	550	600	785	785	810	950	950
Milling Table	Table size	mm	1050×500	1300×630	1360×700	1400×710	1700×800	1800×900	2000×900
	T-slot size/amount /distance	mm/pcs/mm	18×5×100	18×5×120	18×5×152.5	18×5×152.5	22×5×135	22×5×165	22×5×165
	Max load on table	kg	600	800	1000	1000	1500	1600	1600
Spindle	Spindle taper		BT40	BT40	BT40/BT50	BT40/BT50	BT50	BT50	BT50
	Max spindle rotation speed	rpm	8000/10000	8000/10000	8000/10000	8000/10000	6000/8000	6000/8000	6000/8000
	Spindle power	kw	7.5	11	11/15	11/15	15	15/18.5	18.5
Tool Changer	Tool type	Type	Knife arm type						
	Tool quantity	pcs	24	24	24	24	24	24	24
	Max. tool diameter	pcs	78	78	78	78	78	78	78
	Max. tool diameter (tools slots beside not occupied)	mm	120	120	120	120	120	120	120
	Max. tool length	mm	300	300	300	300	300	300	300
	Max. tool weight	mm	8	8	8	8	8	8	8
Speed	Tool changing time	kg	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	Fast moving speed (X/Y/Z)	m/min	15/15/12	15/15/12	12/12/10	12/12/10	12/12/10	12/12/10	12/12/10
Accuracy	Cutting speed (X/Y/Z)	m/min	6/6/6	6/6/6	6/6/6	6/6/6	6/6/6	6/6/6	6/6/6
	Positioning accuracy (X/Y/Z)	mm	0.008	0.008	0.008	0.008	0.008	0.008	0.008
Others	Repeat position accuracy (X/Y/Z)	mm	0.005	0.005	0.005	0.005	0.005	0.005	0.005
	Air source	L/min	280L/min	280L/min	280L/min	280L/min	280L/min	280L/min	280L/min
Weight	Air pressure	bar	6~8bar	6~8bar	6~8bar	6~8bar	6~8bar	6~8bar	6~8bar
	Total power	kva	25	25	25	30	30	30	25
	Dimension (L*W*H)	mm	2700×2400×2500	3300×2700×2900	3600×2800×2900	3700×2850×2900	4110×3100×3200	4310×3100×3300	6000×3800×3300
	Weight	kg	5500	7500	9000	9500	12300	12800	13800