

### KBT-13 series Comparison table

Item		Unit	KBT-13. A	KBT-13E. A	KBT-13B. A	KBT-13EB. A	
Stroke	X axis travel (table longitudinal)	mm(inch)	3000(118.11)	3000(118.11)	3000(118.11)	3000(118.11)	
	Y axis travel (spindle vertical)	mm(inch)	2000(78.74)	2000(78.74)	2300(90.55)	2300(90.55)	
	Z axis travel (column cross)	mm(inch)	1300(51.18)	1300(51.18)	1600(62.99)	1600(62.99)	
	W axis travel (spindle axial)	mm(inch)	700(27.56)	650(25.59)	700(27.56)	650(25.59)	
	Distance from table top to spindle center	mm(inch)	0~2000(0~78.74)	0~2000(0~78.74)	0~2300(0~90.55)	0~2300(0~90.55)	
	Distance from table center to spindle nose	mm(inch)	700~2000(27.56~78.74)	700~2000(27.56~78.74)	850~2450(33.46~96.46)	850~2450(33.46~96.46)	
Table	Table work space	mm(inch)	1800×2200(70.87×86.61)	1800×2200(70.87×86.61)	2000×2200(78.74×86.61)	2000×2200(78.74×86.61)	
	Table maximum loading capacity	kg(lbs)	12000(26400)	12000(26400)	20000(44000)	20000(44000)	
	Table top profile		22(0.87) 7T slots	22(0.87) 7T slots	22(0.87) 9T slots	22(0.87) 9T slots	
	Table auto. indexing	°	0.001(every 90° index. by locate pin)	0.001(every 90° index. by locate pin)	0.001(every 90° index. by locate pin)	0.001(every 90° index. by locate pin)	
Spindle Head	Boring spindle diameter	mm(inch)	130(5.12)	130(5.12)	130(5.12)	130(5.12)	
	Spindle speed (for every 1min <sup>-1</sup> )	min <sup>-1</sup>	5~3000	5~4000	5~3000	5~4000	
	Spindle speed change range	step	3	4	3	4	
	Spindle taper		BBT50(BIG-PLUS Dual contact spindle system) ※	BBT50(BIG-PLUS Dual contact spindle system) ※	BBT50(BIG-PLUS Dual contact spindle system) ※	BBT50(BIG-PLUS Dual contact spindle system) ※	
Feed	Rapid traverse	(X·Y·Z)	m(inch)/min	10(393.70)	10(393.70)	10(393.70)	10(393.70)
		(W)	m(inch)/min	6(236.22)	6(236.22)	6(236.22)	6(236.22)
	Feedrate	mm(inch)/min	1~4000(0.04~157.48)	1~4000(0.04~157.48)	1~4000(0.04~157.48)	1~4000(0.04~157.48)	
	Table revolution	min <sup>-1</sup>	1.4	1.4	1.0	1.0	
Automatic Tool Changer (ATC)	Tool shank		MAS BT50(BBT50 BIG-PLUS Dual contact spindle system ※)	MAS BT50(BBT50 BIG-PLUS Dual contact spindle system ※)	MAS BT50(BBT50 BIG-PLUS Dual contact spindle system ※)	MAS BT50(BBT50 BIG-PLUS Dual contact spindle system ※)	
	Pull stud		MAS P50T-1 (45°)	MAS P50T-1 (45°)	MAS P50T-1 (45°)	MAS P50T-1 (45°)	
	Tool storage capacity	pc	40	40	40	40	
	Max. tool diameter[vacant adjacent pots]	mm(inch)	125(4.92) [240/(9.45)]	125(4.92) [240/(9.45)]	125(4.92) [240/(9.45)]	125(4.92) [240/(9.45)]	
	Max. tool length	mm(inch)	400(15.75)	400(15.75)	400(15.75)	400(15.75)	
	Max. tool weight	kg(lbs)	25(55)	25(55)	25(55)	25(55)	
	Tool selection		At random	At random	At random	At random	
Motors	Spindle motor	kW(HP)	AC22(30) (30min) /18.5(25) (cont.)	AC45(60) (30min) /37(50) (cont.)	AC22(30) (30min) /18.5(25) (cont.)	AC45(60) (30min) /37(50) (cont.)	
	Feed motor	kW(HP)	X·Z : 9.0(12.0)/Y·W : 4.2(5.6) /B : 7.0(9.5)	X·Z : 9.0(12.0)/Y·W : 4.2(5.6) /B : 7.0(9.5)	X·Z : 9.0(12.0)/Y·W : 4.2(5.6) /B : 6.0(8.0)	X·Z : 9.0(12.0)/Y·W : 4.2(5.6) /B : 6.0(8.0)	
	Hydraulic motor	kW(HP)	2.2(3.0)	2.2(3.0)	2.2(3.0)	2.2(3.0)	
Voltage	Power capacity(Not incl. opt)	kVA	65	105	65	105	
	Air pressure source pressure	MPa	0.5	0.6	0.5	0.6	
	Air pressure source flow(Not incl. opt)	NL/min	400 (atm)	800 (atm)	400 (atm)	800 (atm)	
Dimensions	Machine height	mm(inch)	4800(188.98)	4800(188.98)	5100(200.79)	5100(200.79)	
	Floor space(Not incl. opt)	mm(inch)	6830×6800(268.90×267.72)	6830×6800(268.90×267.72)	7040×7460(277.17×293.70)	7040×7460(277.17×293.70)	
	Machine weight(Incl. NC unit)	kg(lbs)	36000(79200)	37000(81400)	43000(94600)	44000(96800)	

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