

Specification:

Item	Specification	Unit	BL-B850	BL-B1060	BL-B1580
Guideway	X/Y/Z axes guideway type	/	HARD BOX	HARD BOX	HARD BOX
Worktable	Table size	mm	1050×500	1300×600	1700×800
	Table max. loading	kg	600	800	1500
	T slot(NO./width/gap)	mm	5/18/90	5/18/120	5/22/135
Travel	X/Y/Z axes	mm	800/500/550	1000/600/600	1500/800/700
Spindle	Distance from spindle nose to table surface	mm	150~700	180~780	170~870
	Distance from spindle center to column surface	mm	560	655	800
	Spindle type	mm	BT40	BT40/BT50(opt.)	BT50
	Spindle motor	kw	7.5/11(FANUC) 7(SIEMENS 828D)	7.5/11(FANUC) 9(SIEMENS 828D)	15/18.5(FANUC) 12(SIEMENS 828D)
	Spindle speed range	rpm	8000(belt-drive)(opt.:10000/12000)	8000(belt-drive)(opt.:10000/12000)	7000
Feeding axes	Cutting feed speed	m/min	10	10	10
	Fast moving speed	m/min	20/20/20	20/20/20	20/20/20
	Ball screw O.D./pitch	mm	Φ40/10	Φ40/12	Φ63/10(XY)/Φ50/10(Z)
Precision	Positioning precision	mm	0.012/0.010/0.012	0.015/0.012/0.012	0.028/0.018/0.020
	Repeatable positioning precision	mm	0.008/0.006/0.008	0.010/0.008/0.008	0.018/0.010/0.013
Tool magazine	Tool magazine type	/	Umbrella type 20T/Arm type 24T		
	Max. tool weight	kg	8	8	15
	Max. tool length	mm	300	300	350
	Max. tool dia.	mm	Φ80	Φ80	Φ110
Others	Total power	KVA	15	20	35
	Overall dimension(L×W×H)	mm	2800×2300×3100	3200×2750×3200	4300×3750×3100
	Gross weight/Net weight	kg	6500/6000	8000/7500	13000/12500

* The marked accuracy just follows CHINA national standard GB/T18400, actual accuracy is much higher

Main parts list:

Item	Brand
Bearings	JAPAN-NSK/NTN
Ball screw	TAIWAN-HIWIN/PMI
Spindle	TAIWAN
Servo motor& driver	GERMAN-SIEMENS/JAPAN-FANUC
Air-oil cylinder	TAIWAN
Lubrication pump	JAPAN-HERG

Standard configuration:

- FANUC 0I MF CNC Controller
- 24T ARM type tool magazine

Optional configuration:

- SIEMENS 828D CNC Controller
- 20T Umbrella type tool magazine
- Chip conveyor
- ZF reduction box