CNC MILLING MACHINE/CNC MACHINING CENTER V SERIES

BL-V8H/V10H/V12H/V15H/V18H

TAIWANESE QUALITY, BOX GUIDEWAY, 24T TOOL MAGAZINE

Features:

- 3 axes BOX guideway, heavy-duty type,suitable for heavy-duty cutting
- Whole production process accord to TAIWAN standard
- Most parts adopt GERMAN/JAPAN/TAIWAN brand
- High speed, high precision, long using lifespan
- Adopt HT300 high class cast iron,after aging treatment and FEA analysis
- Bridge shape column, high rigidity, high stability
- Use 24T Arm type ATC, adopt CAM driving, fast and stable tool changing, tool selection for bi-way as random.
- 3 axes use C3 class precision ball screw, match up nut preloading and ball screw pre-stretching, pre-eliminate backlash and temperature rising, ensure stable positioning and repeatable positioning precision

Specification:

Item	Specification	Unit	BL-V8H	BL-V10H	BL-V12H	BL-V15H	BL-V18H
Worktable	Table size	mm	1000×530	1300×600	1360×700	1700×800	2000×900
	T slot(qty/width/gap)	mm	5/18/100	5/18/120	5/18/152.5	5/22/135	5/22/165
	Table max. loading	kg	600	900	1000	1500	1600
Travel	X/Y/Z axes travel	mm	800/500/700	1000/600/600	1200/700/600	1500/800/700	1800/900/680
Spindle	Spindle type	/	BT40-150	BT40-150	BT50-155(190*)	BT50-155(190*)	BT50-190
	Distance from spindle nose to table surface	mm	110~810	180~780	150~750	185~885	160~840
	Distance from spindle center to column face	mm	575	655	785	810	950
	Spindle taper	/	7:24				
	Spindle motor	kw	7.5/11; 11/15* (FANUC)	11/15 (FANUC)	15/18.5 (FANUC βiIP30)	15/18.5 (FANUC βiIP30)	15/18.5 (FANUC βiIP30)
	Spindle speed	rpm	Belt-drive: 8000/10000;Direct-drive: 12000*		Belt-drive: BT50-155: 8000; BT50-190:6000		
Feeding axes	X/Y/Z axes guideway type	/	BOX guideway	BOX guideway	BOX guideway Y axes 4 guideway	BOX guideway Y axes 4 guideway	BOX guideway Y axes 4 guideway
	X/Y/Z axes max. rapid moving speed	m/min	15	12	12	12	12
	Cutting feed speed	m/min	12	10	10	10	10
	X,Y,Z axes ball screw dia./pitch	mm	40/10	40/10	50/10	X/Y axes: 63/10 Z axes: 50/10	55/12
	X/Y/Z axes positioning accuracy	mm	±0.008(300)				
	X/Y/Z axes repeatable positioning accuracy	mm	±0.005(300)				
Tool magazine	Tool magazine type	/	24T Arm type				
	Max. tool weight	kg	8	8	18	18	18
	Max. tool length	mm	300	300	400	400	400
	Max. tool dia.(fully loaded)	mm	80	80	112	112	112
	Max. tool dia.(no adjacent)	mm	150	150	200	200	200
	Tool changing time	s	1.8	1.8	2.5	2.5	2.5
Others	Overall Size	mm	2600×2250×2200	2900×2450×2200	3680×2780×3100	3940×3080×3020	4440×3250×3100
	Weight	kg	6400	8100	10600	14100	15600

*As option

Main parts list:

Item	Brand
Spindle bearing	JAPAN-NSK/GERMANY-FAG
Ball screw bearing	JAPAN-NACHI/NSK/NTN
Ball screw	TAIWAN-HIWIN/PMI
Spindle	TAIWAN-KENTURN/VOLIS/SPINTRUE

Item	Brand
Tool magazine	TAIWAN-OKADA
Pnuematic parts	TAIWAN-AIRTAC
Lubrication pump	TAIWAN-ISHAN/BEISUN
Electric parts	FRANCE-SCHNEIDER

Standard configuration:

- FANUC 0i MF CNC Controller
- 24T Arm type tool magazine

Optional configuration:

- SIEMENS 828D CNC controller
- 4th axes
- 5th axes