



CNC MACHINING CENTER V SERIES

BL-V11P

TAIWANESE QUALITY, LINEAR GUIDEWAY, HIGH-END MODEL, HIGH RIGIDITY, HIGH PRECISION



Features:

- "P" means PRECISE type
- Designed by GERMAN engineer, OEM made for EU distributor
- Whole production process accord to TAIWAN standard
- Most parts adopt GERMAN/JAPAN/TAIWAN brand
- Most optimized structure by "Pro/E" and "Ansys" software
- Adopt high strength MEEHANTE class resin sand cast iron, 2 years' natural aging treatment, eliminate stress, ensure optimum rigidity, precision and persistence
- Adopt large-span base and super wide column design, ensure good rigidity, frame adopt multilayer strengthening rib, ensure strength and stability
- The slide blocks' support point of saddle & table basically reach the "bassel point", ensure the stability
- Spindle box adopt thermal symmetry design, reduce thermal deformation
- 3 axes use JAPAN THK brand widened precise class linear guideway, high rigidity, suitable for heavy cutting
- X, Z axes linear guideway mount 6pcs slide blocks, super high rigidity
- 3 axes use JAPAN THK brand C2 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
- Use 24T Arm type tool magazine, adopt CAM driving, tool changing is fast and stable, tool selection for bi-way
- Tool magazine is supported by step of column, much more stable performance than common side hanging type
- Perfect rigidity, processing speed, accuracy, stability
- Especially suitable for Mould's rough and finish machining



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V11P large-span base & super wide column



MEEHANTE cast iron & flakeolate structure



THK brand C2 class ball screw



THK brand linear guideway



Column step to support tool magazine



BT40-160 short-nose spindle

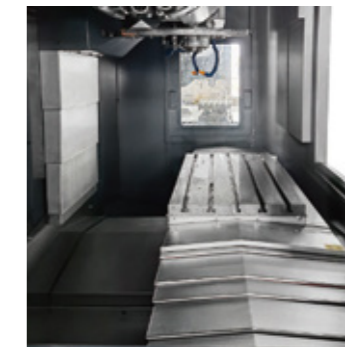


Table and inside



24T ARM type tool magazine

Main parts list:

Item	Brand	Item	Brand
Spindle	TAIWAN-VYU CHEN/KENTURN/SPINTRUE	Ball screw bearing	JAPAN-NACHI/NTN
Ball screw	JAPAN-THK C2 class	Lubrication pump	TAIWAN-ISHAN
Linear guideway	JAPAN-THK	Tool magazine	TAIWAN-OKADA
Spindle bearing	GERMANY-FAG	Electricity parts	FRANCE-SCHNEIDER

Standard configuration:

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

Optional configuration:

- Tool setting probe
- 4th axes
- 5th axes

Specification:

Item	Specification	Unit	BL-V11P
Worktable	Table size	mm	1200×600
	T slot(qty/width/gap)	mm	5/18/100
	Table max. loading	kg	900
Travel	X/Y/Z axes travel	mm	1100/600/600
Spindle	Distance from spindle nose to table surface	mm	170~770
	Distance from spindle center to column face	mm	680
	Spindle taper	/	7:24
	Spindle type	/	BT40-160,short-nose type
	Max. spindle speed	rpm	Belt-drive:8000/10000;direct-drive:12000*
	Spindle motor	kw	11/15(FANUC)
Feeding axes	X/Y/Z axes rapid moving speed	m/min	36/36/30
	X/Y/Z axes linear guideway width	mm	45/45/45(X,Z axes 6 slide blocks)
	X,Y,Z axes ball screw dia./pitch	mm	40/12
	X/Y/Z axes cutting feeding speed	m/min	15
Tool magazine	Tool magazine type	/	24T Arm type
	Max. tool length	mm	300
	Max. tool weight	kg	8
	Max. tool dia.(full tool)	mm	Φ80
	Max. tool dia.(no adjacent tool)	mm	Φ150
	Tool changing time(chips to chips)	s	1.8
Others	Positioning accuracy	mm	±0.004
	Repeatable positioning accuracy	mm	±0.003
	Overall size	mm	3040×2400×2550
	Weight	kg	7100

*As option