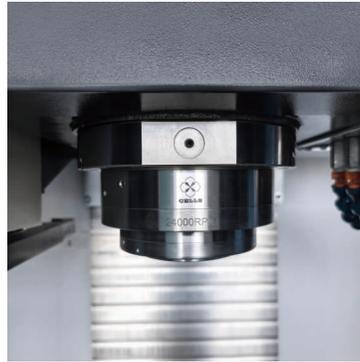


**Features:**

- 3 axes adopt THK brand high precision linear guideway
- Designed by GERMAN engineer
- Whole production process accord to TAIWANESE standard
- Chips outlet set at the back of machine
- Most parts adopt GERMAN/JAPANESE/TAIWANESE 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
- 3 axes use THK brand C3 class precision ball screw, ensure stable positioning and repeatable positioning precision
- Suitable for small & medium-sized cutting



Frame with THK ball screw and linear guideway



Spindle HSK-E40 24000 30000rpm(opt.)



V4 table and inside



V4 12T Umbrella type tool magazine



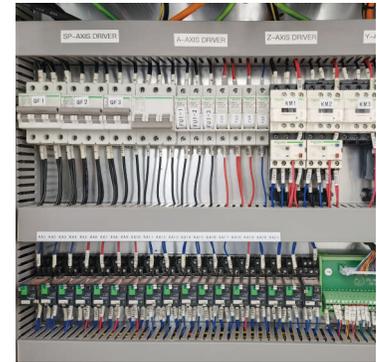
V7 20T ARM type tool magazine



Back-setted chip conveyor



GERMAN EUCHNER safety lock(opt.)



SCHNEIDER brand electricity parts

### Main parts list:

Item	Brand	Item	Brand
Spindle bearing	JAPAN-NSK/GERMANY-FAG/TAIWAN-TPI	Booster cylinder	TAIWAN-HAO CHENG/VOLIS
Ball screw bearing	JAPAN-NSK/NACHI	Lubrication pump	TAIWAN-BEISUN
Ball screw	JAPAN-THK	Power switch	TAIWAN-MEANWELL
Linear guideway	JAPAN-THK	Pneumatic parts	TAIWAN-AIRTAC
Spindle unit	TAIWAN-VYU CHEN/CELLS/SPINTRUE	Electric parts	FRANCE-SCHNEIDER
Tool magazine	TAIWAN-OKADA		

### Standard configuration:

- SIEMENS 808D CNC controller
- V4:12T Umbrella type tool magazine
- V7:20T ARM type tool magazine

### Optional configuration:

- SIEMENS 828D/FANUC/GSK/SYNTEC CNC controller
- V4:16T Arm type tool magazine
- V7:12T Umbrella type tool magazine
- 4th axes
- 5th axes
- Tool setting probe
- CTS(coolant through spindle)

### Specification:

Item	Specification	Unit	BL-V4		BL-V7
Worktable	Table size	mm	800×320		900×400
	Table max. loading weight	kg	200		300
	T slot(NO,width/gap)	mm	3/14/100		
Travel	X/Y/Z axes	mm	450/300/450		720/450/500
Spindle	Distance from spindle nose to table surface	mm	120~570		100~600
	Distance from spindle center to column surface	mm	375		440
	Spindle type	mm	BT40-120 7:24(BT30/BBT40/SK40/HSK-E40)*		
	Spindle motor	kw	5.5(SIEMENS,GSK); 5.5/7.5(SYNTEC); 3.7/5.5(FANUC α)		5.5(SIEMENS 808D); 7.5(SIEMENS 828D,GSK,SYNTEC); 7.5/11(FANUC)
	Spindle speed	rpm	Belt-drive: 8000/10000; (Direct-drive: 12000/15000/24000/30000)*		
Feeding axes	X,Y,Z axes ball screw O.D./pitch	mm	32/16		
	X/Y/Z axes linear guideway width	mm	30		
	Cutting feed speed	m/min	10		
	X/Y/Z axes rapid moving speed	m/min	36/36/30		
	Positioning precision	mm	±0.005		
	Repeatable positioning precision	mm	±0.003		
Tool magazine	Tool magazine	/	Umbrella type 12T	Arm type 16T*	Arm type 20T
	Max. tool weight	kg	8		
	Max. tool length	mm	250	250	300
	Max. tool dia.(fully loaded)	mm	Φ90	Φ80	Φ80
	Max. tool dia.(no adjacent)	mm	Φ150		
	Tool changing time	s	7	1.8	1.8
Others	Overall dimension(L×W×H)	mm	1800×1800×2120		2100×2000×2160
	Weight	kg	2400		3200

\*As option