



**Features:**

- 7 Axes universal turning center
- Adopt similar structure as SWISS SCHAUBLIN, bed adopt 60° slant design, high rigidity, high accuracy
- Most parts adopt GERMANY/JAPAN/TAIWAN brand
- Adopt modularization design, has strong extended function, can extend to 3& 4 tool turrets
- Main spindle and sub-spindle adopt high precision electro-spindle unit, big output torque, rapid start-stop speed
- Adopt THK brand ROLLER type linear guideway and ball screw
- Dual tool turrets adopt 12T GERMAN SAUTER(GPM) brand powered tool turret with orthogonal Y axes
- Sub-spindle placed on separate guideways, is fully programmable by M code. Can be also moved in JOG mode by buttons on control panel
- Adopt 15" big screen for FANUC controller

**Main parts list:**

Item	Brand	Item	Brand
CNC controller	JAPAN-FANUC/GERMANY-SIEMENS	Linear guideway	JAPAN-THK
Servo driver&motor	JAPAN-FANUC/GERMANY-SIEMENS	Lubrication system	TAIWAN-ISHAN
Electro-spindle	CHINA-TOP	Rotary oil cylinder&chuck	TAIWAN-AUTOGRIP
Spindle bearing	JAPAN-NSK/GERMANY-SKF	Hydraulic parts	JAPAN-NACHI
Ball screw bearing	JAPAN-NSK/GERMANY-SKF/JAPAN-NACHI	Wiper	USA-THODACON
Tool turret	GERMANY-SAUTER(GPM)/TAIWAN-TCSM	Coupling	GERMANY-KTR
Ball screw	JAPAN-THK	Electricity parts	FRANCE-SCHNEIDER/GERMANY-SIEMENS

**Standard configuration:**

- FANUC 0I TF CNC controller
- Dual spindles
- Hydraulic chuck
- Dual 12T powered tool turret with Y axes

**Optional configuration:**

- Tool setting probe
- SIEMENS 828D CNC controller

Specification:			
Item	Specification	Unit	BL-H55SY2
Capacity	Max. swing dia. over bed	mm	Φ550
	Max. turning length	mm	500
	Max. turning dia.	mm	Φ270
Main spindle	Main spindle bore	mm	Φ74
	Main spindle end type	/	A2-6
	Main spindle max. speed	rpm	4500
	Main spindle max. bar through dia.	mm	Φ51
	Main spindle motor power	kw	17.5(electro-spindle)
	Main spindle torque	Nm	112/210
	Main spindle chuck size	"	8"
Sub-spindle	Sub-spindle end type	/	A2-5
	Sub-spindle max. speed	rpm	4500
	Sub-spindle motor power	kw	13(electro-spindle)
	Sub-spindle travel	mm	550
	Sub-spindle chuck size	"	6"
X1/Y1/Z1/ X2/Y2/Z2 axes	X1/Y1/Z1 axes travel	mm	185/±40/540
	X2/Y2/Z2 axes travel	mm	180/±40/540
	X/Y/Z axes rapid moving speed	m/min	24/12/24
Tool turret	Tool turret qty	/	2
	Tool turret type	/	BMT55 servo powered tool turret
	Tool qty	/	12T+12T
	Indexing Time 30° with locking	s	0.35
	Indexing Time 30° without locking	s	0.12
	Toolshank size	mm	25×25, Φ40
	Live tool motor power	kw	2.7(FANUC)
	Live tool max. speed	rpm	4000
Accuracy	X/Y/Z axes positioning accuracy	mm	≤0.008
	X/Y/Z axes repeat positioning accuracy	mm	≤0.005/0.005/0.006
	C axes positioning accuracy	arcsec.	≤20
Others	Coolant pump motor	w	400
	Hydraulic tank capacity	L	30
	Coolant tank capacity	L	200
	Total power	KVA	50
	N.W.	kg	6600
	Overall size	mm	3480×2300×2350