

**Features:**

- Adopt 30° mono-block slant bed design, heavy bed, high stability
- Adopt modularization design, easy for various especial configuration choice, such as parts catcher etc
- Adopt MEEHANITE class cast iron, after aging treatment, small distortion, good torsional strength, good heat stability
- Base adopt multilayer strengthening rib, ensure bed's strength and stability
- Adopt high precision integral spindle unit, spindle motor adopt high performance servo motor, big output torque, high speed, wide adjustment range
- Adopt high precise JAPAN THK/NSK brand ball screw and 35mm wide linear guideway
- Mount SAUTER 8T hydraulic-servo tool turret and 4+4 Independent live tools with Y axes
- Y axes adopt BOX guideway, high rigidity and reliable performance



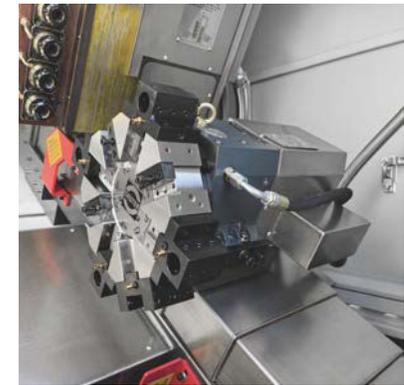
CL42 collet chuck with parts catcher



8T tool turret with live tool group



4+4 Live tools group



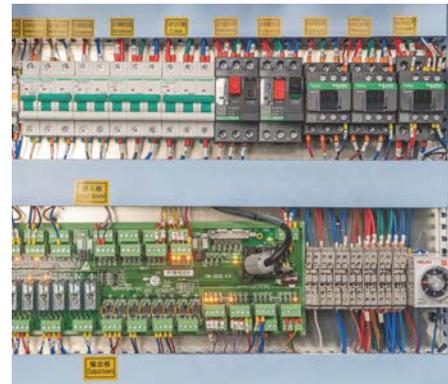
SAUTER(GPM) 8T hydraulic-servo tool turret



CS axes with hydraulic brake



Electricity cabinet



SCHNEIDER brand electricity parts



SYNTEC 22TB cnc controller

Main parts list:

Item	Brand	Item	Brand
Spindle bearing	JAPAN-NSK	Ball screw bearing	JAPAN-NSK/GERMANY-FAG
Magnet ring encoder	TAIWAN-SYNTEC	Linear guideway	JAPAN-THK/GERMANY-INA
Brake system	JAPAN	Lubrication system	TAIWAN-ISHAN
Tool turret	GERMANY-SAUTER(GPM)	Hydraulic parts	TAIWAN/JAPAN
Live tool group	Own-made	Main electricity parts	FRANCE-SCHNEIDER
Ball screw	JAPAN-THK/NSK		

Standard configuration:

- SYNTEC 22TB CNC controller
- Hydraulic collet chuck
- 8T hydraulic-servo tool turret
- 4+4 Independent live tool group with Y axes

Optional configuration:

- Automatic chip conveyor
- Parts catcher
- Bar feeder

Specification:

Item	Specification	Unit	BL-H6Y	
Capacity	Collet chuck size	/	6"	8"
	Max. swing dia. over bed	mm	Φ460	
	Max. swing dia. over slide	mm	Φ120	
	Max. turning length	mm	220	
	Max. turning dia.	mm	Φ150	
Spindle	Spindle bore	mm	Φ56	Φ62
	Spindle end type	/	A2-5	A2-6
	Spindle speed	rpm	4000	3500
	Max. bar through dia.	mm	44	51
	Spindle motor power	kw	5.5/7.5	7.5/11
	C axes indexing accuracy	°	0.01	
X/Y/Z axes	X/Z axes linear guideway width	mm	35/35	
	X/Y/Z axes ball screw O.D.	mm	Φ32/Φ25/Φ32	
	X axes travel	mm	400(after mount tool turret:300)	
	Y axes travel	mm	200	
	Z axes travel	mm	250	
	X/Y/Z axes motor	kw	1.3/1.3/1.3(JAPAN YASKAWA)	
	X/Y/Z axes rapid moving speed	m/min	20/10/20	
Tool turret	Tool turret type	/	8T Hydraulic-servo tool turret& 4+4 Independent live tool group with Y axes	
	Live tool collet size	/	ER25	
	Live tool speed	rpm	3000	
	Live tool motor	kw	1.3(double motors, CHINA HXD)	
	Tool shank size	mm	20×20, Φ25	
Accuracy	Positioning accuracy(X/Y/Z)	mm	0.008	
	Repeat positioning accuracy(X/Y/Z)	mm	±0.0025	
Others	Overall size	mm	2100×1520×1940	
	N.W.	kg	2700	