SLANT BED CNC LATHE/CNC TURNING CENTER H STANDARD SERIES

BL-H55/55M/55Y

TAIWAN TECHNOLOGY, 8"/10"/12" CHUCK, HEAVY-DUTY TYPE, ROLLER TYPE LINEAR GUIDEWAY

Features:

- Adopt ROLLER type linear guideway
- Adopt TAIWAN technology, most parts adopt GERMANY/JAPAN/TAIWAN brand
- Adopt 45° slant bed design(H55Y adopt 15° slant bed+30° Y axes design)
- Adopt china top class HT300 cast iron, after aging treatment, small distortion, good torsional strength, good heat stability
- Adopt high precision spindle unit, spindle motor adopt high performance servo motor, big output torque,high speed
- Adopt high precision pre-stretched ball screw(double nuts), coupled with feeding motor directly by linkager, no gap,high transmission rigidity
- Adopt especial structure programmable tailstock, tailstock quill not move, whole tailstock body driven by hydraulic cylinder on linear guideway(* when mount steady rest or turning length > 1000mm or with Y axes, the guideway of tailstock to be BOX guideway)
- H55:12T hydraulic-servo tool turret

  H55M: 12T powered tool turret+CS axes

  H55Y: 12T powered tool turret+interpolation YS axes

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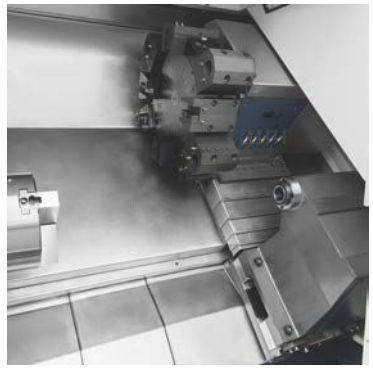
H55 12T hydraulic-servo tool turret



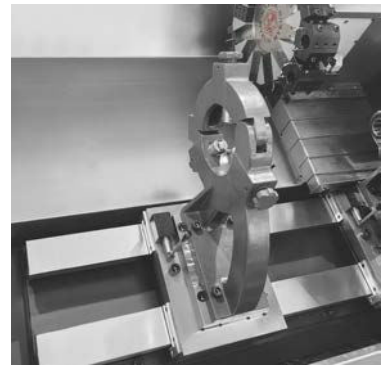
H55M 12T powered tool turret

H55Y interpolation Y axes with 12T powered tool turret

H55M 2m tailstock BOX guideway

H55M 55Y CS axes with hydraulic brake

A2-8 spindle 10" chuck with tool setting probe



Manual steady rest

Hydraulic steady rest

Main parts list:

Item	Brand
CNC controller	JAPAN-FANUC
X,Z axes servo motor&driver	JAPAN-FANUC
Spindle servo motor&driver	JAPAN-FANUC
Spindle magnet ring encoder	JAPAN-FANUC
Spindle unit	TAIWAN-KENTURN
Ball screw bearing	JAPAN-NSK/GERMANY-FAG
Ball screw	TAIWAN- HIWIN/PMI C3 CLASS

Item	Brand
Linear gudieway	TAIWAN- HIWIN/PMI
Tool turret	TAIWAN-MYKUN/GERMANY-SAUTER(GPM)
Chuck&cylinder	TAIWAN-AUTOGRIP/CHANDOX
Hydraulic parts	TAIWAN/JAPAN
Lubrication pump	JAPAN-HERG
Main electric parts	FRANCE-SCHNEIDER

Standard configuration:

- FANUC 0I TF CNC controller
- Hydraulic chuck
- Hydraulic tailstock

Optional configuration:

- SYNTEC/SIEMENS CNC controller
- Automatic chip conveyor
- Tool setting probe
- Hydraulic steady rest

Specification:

Item	Specification	Unit	BL-H55		BL-H55M		BL-H55Y	
Capacity	Max. swing dia. over bed	mm	Φ550		Φ550		Φ600	
	Max. swing dia. over slide	mm	Φ300					
	Max. turning dia.	mm	Φ400		Φ350		Φ350	
	Max. turning length	mm	600/1000	600/1000/1500/2000	550/1000	550/1000/1500/2000	450/1000	1000/1500/2000
Spindle	Spindle end type	/	A2-6	A2-8	A2-6	A2-8	A2-6	A2-8
	Spindle bore	mm	Φ62	Φ86	Φ62	Φ86	Φ62	Φ86
	Spindle speed	rpm	3500	2500	3500	2500	3500	2500
	Max. bar through dia.	mm	Φ51	Φ74	Φ51	Φ74	Φ51	Φ74
	Spindle motor power	kw	11/15(FANUC)	15/18.5(FANUC)	11/15(FANUC)	15/18.5(FANUC)	11/15(FANUC)	15/18.5(FANUC)
	Spindle motor transmission ratio	/	1:1.5	1:2	1:1.5	1:2	1:1.5	1:2
	Chuck size	"	8"	10"	8"	10"	8"	10"
	C axes division accuracy	Deg	/		0.01°		0.01°	
X/Y/Z axes	X axes linear guideway	mm	35(ROLLER type)					
	Y axes linear guideway	mm	/		/		35(ROLLER type)	
	Z axes linear guideway	mm	45(ROLLER type)					
	X axes ball screw O.D.,pitch	mm	Φ32,10					
	Y axes ball screw O.D.,pitch	mm	/		/		Φ32,10	
	Z axes ball screw O.D.,pitch	mm	Φ40,12/Φ40,12	Φ40,12/Φ40,12/Φ50,10/Φ50,10	Φ40,12/Φ40,12	Φ40,12/Φ40,12/Φ50,10/Φ50,10	Φ40,12/Φ40,12	Φ40,12/Φ50,10/Φ50,10
	X axes travel	mm	230		230		210	
	Y axes travel	mm	/		/		±50	
	Z axes travel	mm	600/1000	600/1000/1500/2000	600/1000	600/1000/1500/2000	500/1050	1050/1500/2050
	X axes rapid moving speed	m/min	20					
	Y axes rapid moving speed	m/min	/		/		15	
	Z axes rapid moving speed	m/min	20/20	20/20/20/16	20/20	20/20/20/16	20/20	20/16/16
	X axes motor	kw	1.8/2.5(FANUC)	1.8/2.5/2.5/2.5(FANUC)	1.8/2.5(FANUC)	1.8/2.5/2.5/2.5(FANUC)	1.8(FANUC)	
	Y axes motor	kw	/		/		2.5(FANUC)	
	Z axes motor	kw	1.8/2.5(FANUC)	1.8/2.5/2.5/3(FANUC)	1.8/2.5(FANUC)	1.8/2.5/3/3(FANUC)	2.5/2.5(FANUC)	2.5/3/3(FANUC)
Tool turret	Tool turret type	/	12T Hydraulic-servo tool turret (center height:100mm)		12T BMT55 servo powered tool turret (ER32) (center height:100mm)		12T BMT55 servo powered tool turret (ER32) (center height:100mm)	
	Toolshank size	mm	25×25, Φ40					
	Live tool motor	kw	/		4.5(FANUC)		4.5(FANUC)	
	Live tool max. speed	rpm	/		5000		5000	
Tailstock	Tailstock body travel	mm	500/850	500/850/1400/1900	500/850	500/850/1400/1900	450/900	900/1400/1900
	Tailstock taper	/	MT5#					
	Tailstock quill O.D.	mm	None/None	None/None/Φ100/Φ100	None/None	None/None/Φ100/Φ100	None/Φ100	Φ100/Φ100/Φ100
	Tailstock quill travel	mm	None/None	None/None/80/80	None/None	None/None/80/80	None/80	80/80/80
	Tailstock guideway type	/	Linear/Linear	Linear/Linear/Box/Box	Linear/Linear	Linear/Linear/Box/Box	Linear/Box	Box/Box/Box
Accuracy	X axes positioning accuracy	mm	±0.005					
	Y axes positioning accuracy	mm	/		/		±0.005	
	Z axes positioning accuracy	mm	±0.005/±0.005	±0.005/±0.005/±0.008/±0.009	±0.005/±0.005	±0.005/±0.005/±0.008/±0.009	±0.005/±0.005	±0.005/±0.008/±0.009
	X axes repeat positioning accuracy	mm	±0.003					
	Y axes repeat positioning accuracy	mm	/		/		±0.003	
	Z axes repeat positioning accuracy	mm	±0.003/±0.003	±0.003/±0.003/±0.005/±0.006	±0.003/±0.003	±0.003/±0.003/±0.005/±0.006	±0.003/±0.003	±0.003/±0.005/±0.006
Others	Overall size	mm	2600×1600×1800(Turning length:600mm); 3400/4300/4800×2100×2100(Turning length: 1000/1500/2000mm)				2600/3400/4300/4800×2100×2100 (Turning length:450/1000/1500/200mm)	
	N.W.	kg	4400/6500	4600/6800/7500/8200	4500/6600	4700/6900/7600/8300	5500/7000	7200/8400/9600