



CNC TURNING CENTER H STANDARD SERIES

BL-H40M

TAIWAN TECHNOLOGY, 6"/8" CHUCK, 12T POWERED TOOL TURRET, SERVO PROGRAMMABLE TAILSTOCK



Features:

- Adopt 90% same structure as TAIWAN GOODWAY, bed adopt 30° slant design, high rigidity, good machining flexibility
- Adopt TAIWAN technology, designed by TAIWAN engineer, most parts adopt GERMANY/JAPAN/TAIWAN brand
- Adopt modularization design, has strong extended function, easy for various especial configuration choice
- Adopt HT300 resin sand cast iron, after aging treatment and FEA analysis, small distortion, good torsional strength, good heat stability
- Base adopt multilayer strengthening rib, ensure bed's strength and stability
- Frame adopt oil-coolant separation design, adopt independent coolant tank
- Adopt high precision integral spindle unit, spindle motor adopt high performance servo motor, big output torque, high speed, wide adjustment range
- Adopt high precision pre-stretched ball screw(double nuts), coupled with motor directly by linkager, high transmission rigidity, can realize high precise turning
- Adopt high precision ROLLER type linear guideway, high rigidity, good accuracy holding, suitable for heavy loading and precise machining
- Adopt BMT55 powered tool turret, fast tool changing, good repeatability, high efficiency
- Adopt servo programmable tailstock, tailstock quill not move, whole tailstock body driven by servo motor& ball screw on linear guideway



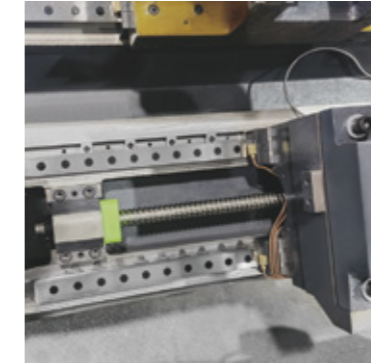
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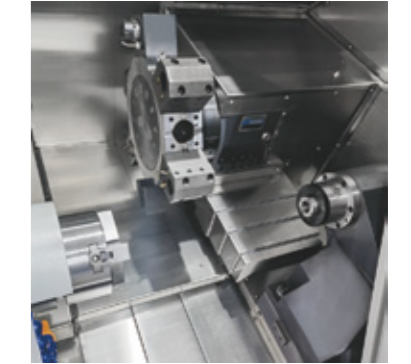
Frame



Servo programmable tailstock



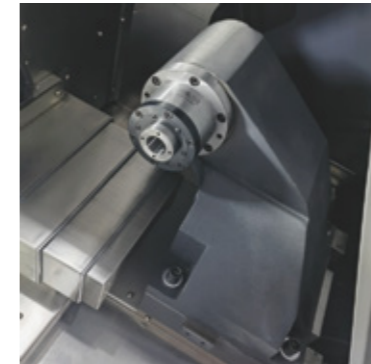
CS axes with hydraulic brake



Machine inside



SAUTER(GPM) 12T powered tool turret



Rotary tailstock



Electricity cabinet



FANUC 0i TF CNC controller

Main parts list:

Item	Brand	Item	Brand
CNC controller	JAPAN-FANUC/TAIWAN-SYNTEC	Lubrication system	TAIWAN/JAPAN
Servo driver&motor	JAPAN-FANUC/TAIWAN-SYNTEC	Rotary oil cylinder&chuck	TAIWAN/KOREA
Spindle unit	TAIWAN-KENTURN	Hydraulic parts	TAIWAN/JAPAN
Spindle bearing	JAPAN-NSK/GERMANY-SKF	Breaker	FRANCE-SCHNEIDER
Ball screw bearing	JAPAN-KOYO/GERMANY-FAG	AC contactor	FRANCE-SCHNEIDER
Tool turret	TAIWAN-TCSM/GERMANY-SAUTER(GPM)	Relay	JAPAN-OMRON
Ball screw	TAIWAN-PMI C3 CLASS	Nuts	TAIWAN-YINSH
Linear guideway	TAIWAN-PMI P CLASS		

Standard configuration:

- FANUC 0i TF CNC controller
- Hydraulic chuck
- 12 station powered tool turret
- Servo programmable tailstock

Optional configuration:

- Automatic chip conveyer
- Tool setting probe

Specification:			
Item	Specification	Unit	BL-H40M
Capacity	Max. swing dia. over bed	mm	Φ580
	Max. swing dia. over slide	mm	Φ300
	Max. turning length	mm	280
	Max. turning dia.	mm	Φ350
Spindle	Spindle bore	mm	Φ56 Φ66
	Spindle end type	/	A2-5 A2-6
	Spindle speed	rpm	4500 4000
	Spindle max. bar through dia.	mm	Φ44 Φ51
	Spindle motor power	kw	7.5/11(FANUC) 11/15(FANUC)
	Spindle chuck size	"	6" 8"
	Spindle C axes division accuracy	Deg	0.001°
X/Z axes	X/Z/Tailstock linear guideway type	/	ROLLER type
	X/Z/Tailstock linear guideway width	mm	30/35/35
	X/Z axes travel	mm	180/350
	X/Z axes motor	kw	1.2(FANUC)
	X/Z axes rapid moving speed	m/min	24/24
Tool turret	Tool turret type	/	BMT55 Powered tool turret
	Tool qty	/	12T
	Vicinal tool changing time	s	0.4
	Farthest tool changing time	s	1.1
	Toolshank size	mm	25×25, Φ40
	Live tool motor power	kw	2.7(FANUC)
	Live tool max. speed	rpm	4000
Tailstock	Tailstock type	/	tailstock body's movement driven by servo motor&ball screw
	Travel of tailstock body	mm	300
	Tailstock type	/	MT4#
	Tailstock rapid moving speed	m/min	20
Accuracy	Positioning accuracy(X/Z)	mm	0.007/0.008
	Repeat positioning accuracy(X/Z)	mm	0.003/0.004
Others	Coolant pump motor	w	500
	N.W.	kg	3000