

**Features:**

- Mount gang tool device
- Super compact structure, big inside space, modern appearance
- Adopt TAIWAN technology, designed by TAIWAN engineer, most parts adopt GERMANY/JAPAN/TAIWAN brand.
- Bed adopt flat bed, slide board adopt 30°slant design(structure similar as JAPAN TSUGAMI M06/08), high rigidity, good machining flexibility, easy for chip conveying
- Adopt modularization design, has strong extended function, easy for various especial configuration choice, such as tool setter, robot etc.
- Adopt HT300 resin sand cast iron, after aging treatment and FEA analysis, small distortion, good torsional strength, good heat 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 feeding motor directly by linkager, no gap, high transmission rigidity, can realize μ class precise turning.
- Adopt high precision wide linear guideway, high rigidity and long using lifespan, fast moving speed, good accuracy holding, suitable for precise machining
- Can mount right-setting or back-setting chip conveyor



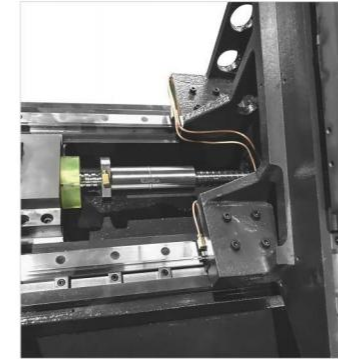
3-jaw chuck with gang tool



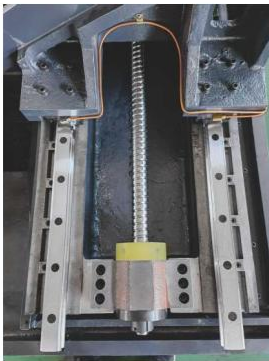
CL42 collet chuck



JAPANESE style structure



Double nuts ball screw



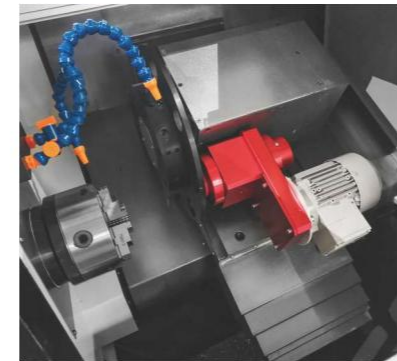
High precision linear guideway



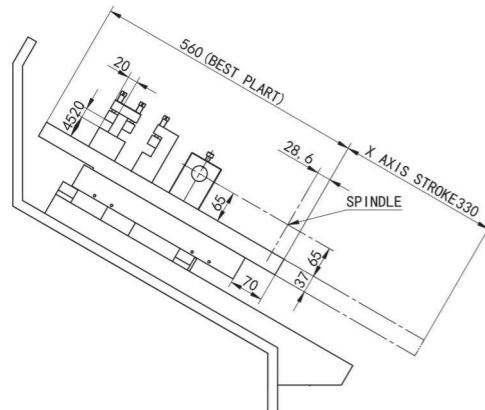
Spindle



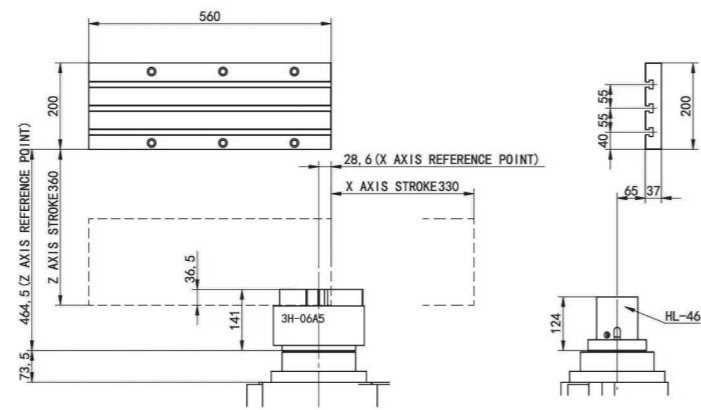
SCHNEIDER electricity parts



Solution for SEALS process(opt.)



S36 Tools interference



S36 Travel

Standard configuration:

- SIEMENS 808D ADVANCED CNC controller
- Hydraulic chuck
- Gang tool

Optional configuration:

- SIEMENS 828D/FANUC 0i TF CNC controller
- Automatic chip conveyor
- Tool setting probe
- Parts catcher

Specification:			
Item	Specification	Unit	BL-S36
Capacity	Chuck size	/	6"
	Max. swing dia. over bed	mm	Φ460
	Max. swing dia. over slide	mm	Φ130
	Max. turning length	mm	330
	Max. turning dia.	mm	Φ300(disc type);Φ125(shaft type)
Spindle	Spindle bore	mm	Φ56
	Spindle end type	/	A2-5
	Spindle speed	rpm	5000
	Max. bar through dia.	mm	Φ44
	Spindle motor power	kw	5.5
X/Z axes	X axes travel	mm	340
	Z axes effective travel	mm	330
	X/Z axes rapid moving speed	m/min	28
	X/Z axes ball screw dia./pitch	mm	32/12
	X/Z axes linear guideway width	mm	30/35
Tool turret	Tool turret type	/	Gang tool
	Tool qty	/	5
	Toolshank size	mm	20×20, Φ25(32*)
Tailstock	Tailstock	/	N/A
Accuracy	Ex-circle finish turning accuracy	/	IT6
	Finish turning roughness	mm	Ra0.4~1.6
	Finish turning roundness	mm	≤0.003
	Positioning accuracy(X/Z)	mm	0.008/0.008
	Repeat positioning accuracy(X/Z)	mm	0.004/0.004
Others	Coolant pump power	w	480
	Coolant flow	m ³ /h	2.5
	Overall size	mm	1680/2580×1600×1550(exclude/include chip conveyor)
	N.W.	kg	2300

*As option

Main parts list:			
Item	Brand	Item	Brand
CNC controller	GERMANY-SIEMENS/JAPAN-FANUC	Tri-color indication lamp	KOREA-QLIGHT
X,Z axes driver&motor	GERMANY-SIEMENS/JAPAN-FANUC	Breaker	FRANCE-SCHNEIDER
Spindle driver&motor	GERMANY-SIEMENS/JAPAN-FANUC	AC contactor	FRANCE-SCHNEIDER
Spindle unit	TAIWAN-VOLIS/KENTURN/OWN-MADE	Relay	JAPAN-OMRON
Ball screw	TAIWAN-PMI/HIWIN	DC switch power supply	TAIWAN-MEANWELL
Ball screw bearing	SWEDEN-SKF/JAPAN-NSK	Terminal block	GERMANY-WEIDMULLER
Linear guideway	TAIWAN PMI/HIWIN	Synchronous belt	USA-GATES
Lubrication system	TAIWAN-ISHAN	Synchronous belt wheel	TAIWAN-PTP
Rotary oil cylinder&chuck	TAIWAN-AUTOGRIP	Nuts	TAIWAN-YINSH
Hydraulic parts	TAIWAN/JAPAN	Shaft coupling	GERMANY-KTR/R+W
Coolant pump	JOINT-VENTURE	Chip conveyor&chip bucket	TAIWAN-WANHE
MPG	USA-HESS	Coolant pipe	TAIWAN-WEIDING