SLANT BED CNC LATHE **S** PRECISE SERIES
BL-S32/32T

TAIWAN TECHNOLOGY, 5"/6" COLLET/CHUCK, GANG TOOL/8T TOOL TURRET, WITHOUT TAILSTOCK
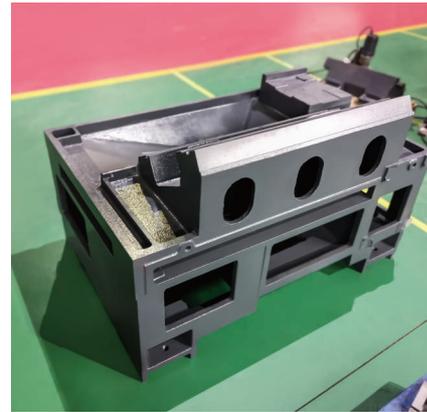

Features:

- New generation high precision slant bed cnc lathe after optimization based on old S32/32T model
- S32 mount gang tool device, S32T mount 8 station HYDRAULIC-SERVO tool turret
- Super compact structure(similar as JAPAN machine), big inside space, modern appearance
- Adopt TAIWAN technology, designed by TAIWAN engineer, most parts adopt GERMANY/JAPAN/TAIWAN brand
- Adopt 30° mono-block slant bed design, 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
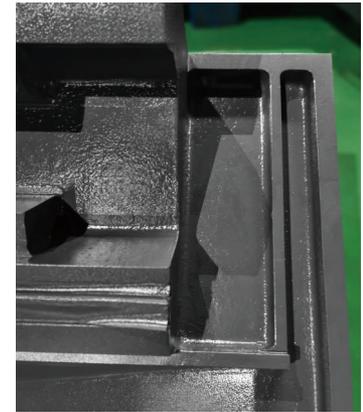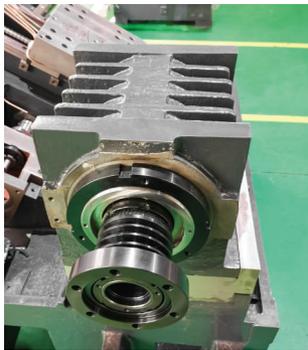
S32 mount collet+gang tool
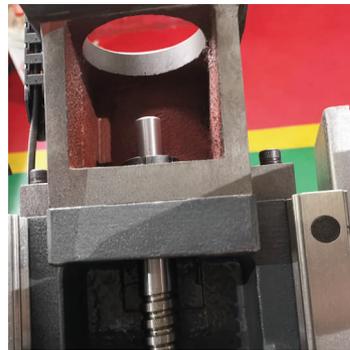

S32T mount chuck+8T servo tool turret

Mono-block frame

Oil-coolant separation

Symmetry spindle

Mono-block motor seat

Double nuts ball screw

SCHNEIDER electricity parts

Main parts list:

Item	Brand	Item	Brand
CNC controller	GERMANY-SIEMENS/JAPAN-FANUC	Isolation transformer	CHINA top-CHINT/JIUKO
X,Z axes driver&motor	GERMANY-SIEMENS/JAPAN-FANUC	Circuit breaker	FRANCE-SCHNEIDER
Spindle driver&motor	GERMANY-SIEMENS/JAPAN-FANUC	AC contactor	FRANCE-SCHNEIDER
Spindle unit	TAIWAN-VOLIS/KENTURN/OWN-MADE	Relay	JAPAN-OMRON
Tool turret	INDIA-PRAGATI/GERMANY-SAUTER*	DC switch power supply	TAIWAN-MEANWELL
Ball screw	TAIWAN-PMI/HIWIN	Terminal block	GERMANY-WEIDMULLER
Ball screw bearing	SWEDEN-SKF/JAPAN-NSK	Synchronous belt	USA-GATES
Linear guideway	TAIWAN PMI/HIWIN	Synchronous belt wheel	TAIWAN-PTP
Lubrication system	TAIWAN-ISHAN	Nuts	TAIWAN-YINSH
Rotary oil cylinder&chuck	TAIWAN-AUTOGRIP/KOREA-SAMCHULLY	Shaft coulping	GERMANY-KTR
Hydraulic parts	TAIWAN/JAPAN	Scrapping plate & Extensible cover	TAIWAN-WANHE
Coolant pump	JOINT-VENTURE	Chip conveyor	TAIWAN-WANHE
MPG	USA-HEDSS	Coolant pipe	TAIWAN-WEIDING
Tri-color indication lamp	KOREA-QLIGHT	Collet, Gang tool holder	OWN-MADE

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BL-S32/32T

TAIWAN TECHNOLOGY, 5"/6" COLLET/CHUCK, GANG TOOL/8T TOOL TURRET, WITHOUT TAILSTOCK

Specification:

Item	Specification	Unit	BL-S32	BL-S32T
Capacity	Chuck size	/	5"/6" collet	5"*/6" chuck
	Max. swing dia. over bed	mm	Φ360	Φ430
	Max. swing dia. over slide	mm	Φ90	Φ250
	Max. turning length	mm	200	200/180
	Max. turning dia.	mm	Φ200	Φ250
Spindle	Spindle bore	mm	Φ45/Φ56*	
	Spindle end type	/	A2-4/A2-5*	
	Spindle speed	rpm	5000	
	Max. bar through dia.	mm	Φ31/Φ44*	
	Spindle motor power	kw	5.5	
X/Z axes	X axes travel	mm	290	145+15
	Z axes effective travel	mm	250	200/180
	X/Z axes linear guideway width	mm	30/30	
	X/Z axes rapid moving speed	m/min	28/28	
Tool post	Tool turret type	/	Gang tool	Hydraulic-Servo tool turret
	Tool qty	/	5	8
	Vicinal tool changing time	s	/	0.4
	Farthest tool changing time	s	/	0.8
	Toolshank size	mm	16×16(20×20*), Φ25	20×20, Φ25
Tailstock	Tailstock quill taper	/	None	
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	0.005/0.008	
	Repeat positioning accuracy(X/Z)	mm	0.002/0.004	
Others	Coolant motor	w	480	
	Coolant liquid flux	m³/h	2.5	
	Overall size	mm	1820/2620×1410×1500 (exclude/include chip conveyor)	
	N.W.	kg	1700	1800

*As option

Standard configuration:

● SIEMENS 808D CNC controller
● S32: Hydraulic collet
  S32T: Hydraulic chuck
● S32: Gang tool
  S32T: 8 station Hydraulic-servo tool turret

Optional configuration:

● SIEMENS 828D CNC controller
● FANUC 0i TF CNC controller
● CL collet chuck
● Automatic chip conveyor
● Parts catcher
● Automatic tool setting probe