BLIN®

Ideal for machinery solution

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BLIN®

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BLIN MACHINERY

TAIWAN TECHNOLOGY

i PRECISE SERIES
CNC TURNING &MILLING CENTER

H STANDARD SERIES
Z ECONOMICAL SERIES
Y HEAVY-DUTY SERIES
SLANT BED CNC LATHE
CNC TURNING CENTER

2019A

www.blincnc.com
NINGBO BLIN MACHINERY CO.,LTD.

History

Our advantages:

www.blincnc.com

Since 1979
40 years' history for machine tool manufacturing

13 years'
History for export

Total 3
Manufacturing bases in CHINA

Covered 40000㎡
Manufacturing workshop

Taiwan/Germany
Technology cooperation

At TAIWAN
Set up design&research center

1500㎡
Export sales center & showroom in NINGBO city.

59 countries
Exported in the world covered most areas

One-stop shopping
For nearly all other types' machine tools(OEM sales)

Professional & highly efficient
Technology support and service at whole process

MODEL INDEX

machine

CNC TURNING & MILLING CENTER

• i PRECISE SERIES

BL-i42 ECO M/ECO B 01/02
TAIWAN technology, Single spindle

SLANT BED CNC LATHE CNC TURNING CENTER

• H STANDARD SERIES

BL-H5/H6 ..... 03/04
TAIWAN technology, 5"/6" collet/chuck, gang tool/8T tool turret, without tailstock

BL-H6Y 05/06
TAIWAN technology, 6" chuck, 8T tool turret &4+4 Live tool with Y axes, without tailstock

BL-H40T/TC/TY 07/08
TAIWAN technology, 6"/8" chuck, 8T/12T tool turret, hydraulic tailstock

BL-H50T/TC/TY 09/10
TAIWAN technology, 8"/10"/12" chuck, 12T tool turret, hydraulic tailstock

BL-H50L/LC 11/12
TAIWAN technology, 8"/10" chuck, 8T/12T tool turret, hydraulic tailstock

• Z ECONOMICAL SERIES

BL-Z5/Z6/Z6T/Z8T/Z8TL/Z10T 13/14
Super high performance-price ratio, 5"/6"/8"/10"/12" collet/chuck, gang tool/8T/10T tool turret

• Y HEAVY-DUTY SERIES

BL-Y50/63/80 ..... 15/16
CHINA TOP quality, LINEAR/BOX guideway, HEAVY-DUTY type, suitable for LONG AXES turning

CNC TURNING &MILLING CENTER i PRECISE SERIES

BL-i42 ECO M/ECO B

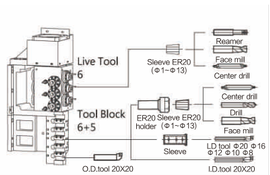
TAIWAN TECHNOLOGY, SINGLE SPINDLE

Features:

- Adopt TAIWAN technology, most parts adopt GERMANY/JAPAN/TAIWAN brand
- Max 6 axe and 4 axes simultaneous movement, multifunctional and high precision
- Adopt high quality FC35 MEEHANITE cast iron, hardness is higher than HRB190,high rigidity
- Adopt high precision permanent magnetism electric spindle, magnet ring encoder, JAPAN high precise angle contact ball bearing, achieve spindle's high rigidity and good precision retention, spindle flop≤2μm
- Adopt high precision ball screw and linear guideway
- i42 ECO M without B axes, i42 ECO B mount free angle 360° index B axes to realize all angular machining
- Hydraulic tailstock is available

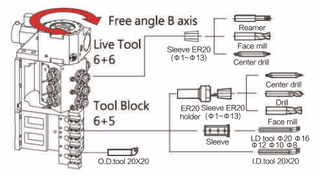
Frame

i42 ECO M with C axes and live tools



i42 ECO M

i42 ECO B with 360° B axes



i42 ECO B

Specification:

Item	Unit	BL-i42 ECO M	BL-i42 ECO B
Max.machineable bar dia.	mm	Φ42	
Main spindle bore	mm	Φ43	
Max.machineable length	mm	230	
Spindle nose type	/	A2-5	
Spindle motor	kw	5.5/7.5	
Main spindle speed	rpm	4500	
Spindle flopping	mm	0.002	
B1 axes resolution ratio	°	/	0.001
B1 axes indexing	°	/	360
B1 axes index time	s	0.3(one),0.6(full)	
C1 axes resolution ratio	°	0.001	
X1/Y1/Z1 axes rapid moving speed	m/min	30	
X1/Y1/Z1 axes travel	mm	150/410/250	
O.D./I.D. tool qty	pcs	6/5	
O.D. tool size	mm	□20	
I.D. tool max dia.	mm	Φ20	
Live tool qty	pcs	Axial 3+radial 3	3×4
Live tool power	kw	2.4	
Live tool collet	/	ER20	
Repeatable positioning accuracy	mm	≤0.003	
Overall size	mm	2350×1700×1900	
N.W.	kg	3000	

Main parts list:

Item	Brand
CNC controller	TAIWAN-SYNTEC 22TB
Servo driver&motor	TAIWAN-SYNTEC
Permanent magnetism electric spindle	Own-made
Ball screw	TAIWAN-HIWIN/PMI
Linear guideway	TAIWAN HIWIN/PMI
Spindle bearing	JAPAN-NSK
Ball screw bearing	TAIWAN

Item	Brand
Lubrication system	TAIWAN-ISHAN
Main electricity parts	FRANCE-SCHNEIDER
Pneumatic parts	TAWAN-AIRTAC
Nuts	TAIWAN-YINSH
B axes	TAIWAN-GSA
Shaft coulping	TAIWAN

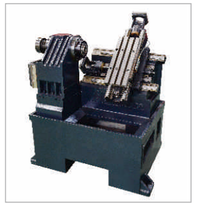
SLANT BED CNC LATHE H STANDARD SERIES

BL-H5/H6

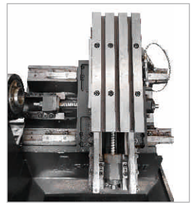
TAIWAN TECHNOLOGY, 5"/6" COLLET/CHUCK, GANG TOOL/8T TOOL TURRET,WITHOUT TAILSTOCK

Features:

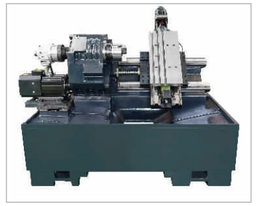
- Adopt TAIWAN technology, most parts adopt GERMANY/TAIWAN brand
- Adopt 60°(H5),45°(H6) integral slant bed design
- Adopt wide linear guideway, high rigidity
- Adopt modularization design, easy for various especial configuration choice, such as tool setter, parts catcher etc
- Adopt MEEHANITE class 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 precision C3 class pre-stretched ball screw, coupled with feeding motor directly by linkager, no gap, high transmission rigidity



H5 frame

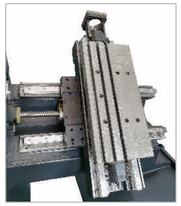


H5 slide board



H6 frame

H6 spindle



H6 slide board

Specification:

Item	Specification	Unit	BL-H5	BL-H6
Capacity	Chuck size	/	5" collet/chuck*	6" collet/chuck*
	Max. swing dia. over bed	mm	Φ300	Φ420
	Max. turning length	mm	200	300
	Max. turning dia.	mm	Φ150	Φ250
	Standard turning dia.	mm	Φ100	Φ150
	Gang tool board size	mm	470×227	598×280
Spindle	Spindle bore	mm	Φ46	Φ56
	Spindle end type	/	A2-4	A2-5
	Spindle speed	rpm	5000	
	Max. bar through dia.	mm	Φ35	Φ45
	Spindle motor power	kw	5.5/7.5*	
X/Z axes	X axes travel	mm	380	460
	Z axes travel	mm	300	350
	X axes ball screw O.D/pitch	mm	Φ25/8	Φ32/10
	Z axes ball screw O.D/pitch	mm	Φ25/10	Φ32/10
	X/Z axes rapid moving speed	m/min	28/28	
Tool post	Tool turret type	/	Gang tool	Standard: Gang tool Optional:8T hydraulic tool turret
	Toolshank size	mm	20×20, Φ25	
Tailstock	Tailstock	/	None	
Accuracy	Positioning accuracy(X,Z)	mm	0.01/1000	
	Repeat positioning accuracy(X,Z)	mm	0.008/1000	
Others	Overall size	mm	2050×1500×1700	2200×1600×1700
	N.W.	kg	1900	2700

* As option

Main parts list:

Item	Brand
CNC controller	GERMANY-SIEMENS
X,Z axes driver&motor	GERMANY-SIEMENS
Spindle unit	TAIWAN-VYU CHENG
Tool turret	TAIWAN-GSA
Ball screw	TAIWAN-HIWIN/PMI
Ball screw bearing	GERMANY-FAG
Linear guideway	TAIWAN-HIWIN/PMI
Lubrication system	TAIWAN-ISHAN
Rotary oil cylinder	TAIWAN-CHANDOX/AUTOGRIP
Hydraulic parts	TAIWAN/JAPAN
Heat exchanger	TAIWAN
Main electricity parts	FRANCE-SCHNEIDER

Standard configuration:

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

Optional configuration:

- SYNTEC 21TA CNC controller
- Hydraulic chuck
- 8T hydraulic tool turret(for H6)
- Chip conveyor

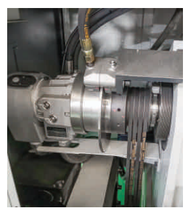
SLANT BED CNC LATHE WITH LIVE TOOL H STANDARD SERIES

BL-H6Y

TAIWAN TECHNOLOGY, 6" CHUCK, 8T TOOL TURRET &4+4 LIVE TOOL WITH Y AXES, WITHOUT TAILSTOCK

Features:

- Adopt TAIWAN technology, designed by TAIWAN engineer, most parts adopt GERMANY/TAIWAN brand
- Adopt 30°integral slant bed design
- Z axes adopt 35mm width ROLLER type linear guideway, super high rigidity
- Adopt modularization design, easy for various especial configuration choice, such as tool setter, 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 precision C3 class pre-stretched ball screw(double nuts), coupled with feeding motor directly by linkager, no gap, high transmission rigidity
- Mount 8T hydraulic tool turret and 4+4 Independent live tools with Y axes



C axes hydraulic brake system

8 station hydraulic tool turret

4+4 Live tool group

SIEMENS 808D ADVANCED

SYNTEC 21TB

Specification:

Item	Specification	Unit	BL-H6Y
Capacity	Chuck size	/	6"
	Max. swing dia. over bed	mm	Φ350
	Max. turning length	mm	300
	Max. turning dia.	mm	Φ200
	Standard turning dia.	mm	Φ150
Spindle	Spindle bore	mm	Φ56
	Spindle end type	/	A2-5
	Spindle speed	rpm	5000
	Max. bar through dia.	mm	44
	Spindle motor power	kw	5.5(opt.:7.5)
X/Z axes	X/Z axes linear guideway type	/	BALL type/ROLLER type
	X/Z axes linear guideway width	mm	30/35
	X,Z axes ball screw O.D./Pitch	mm	Φ32/10
	X axes travel	mm	460
	Y axes travel		220
	Z axes travel	mm	300
	X/Y/Z axes rapid moving speed	m/min	28/16/28
Tool turret	Tool turret type	/	8T Hydraulic tool turret & 4+4 Independent live tool group with Y axes
	Live tool collet size	/	ER25
	Toolshank size	mm	20×20, Φ25
Tailstock	Tailstock	/	N/A
Accuracy	Positioning accuracy(X/Z)	mm	0.01/1000
	Repeat positioning accuracy(X/Z)	mm	0.008/1000
Others	Overall size	mm	2200×1600×1700
	N.W.	kg	3000

Main parts list:

Item	Brand
CNC controller	GERMANY-SIEMENS
Feeding driver&motor	GERMANY-SIEMENS
Spindle unit	TAIWAN-VYU CHENG
Tool turret	TAIWAN-GSA
Live tool group	CHINA top
Ball screw	TAIWAN-HIWIN
Ball screw bearing	GERMANY-FAG
Linear guideway	TAIWAN HIWIN
Lubrication system	TAIWAN-ISHAN
Rotary oil cylinder&chuck	TAIWAN-CHANDOX/AUTOGRIP
Hydraulic parts	TAIWAN/JAPAN
Heat exchanger	TAIWAN
Main electricity parts	FRANCE-SCHNEIDER

Standard configuration:

- SIEMENS 808D ADVANCED CNC controller
- Hydraulic chuck
- Hydraulic tool turret
- 4+4 Independent live tool group with Y axes

Optional configuration:

- SYNTEC 21TB/SIEMENS 828D/FANUC 0i TF CNC controller
- Automatic chip conveyor
- Tool setting probe
- Parts catcher

SLANT BED CNC LATHE/CNC TURNING CENTER H STANDARD SERIES

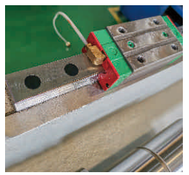
BL-H40T/TC/TY

TAIWAN TECHNOLOGY, 6"/8" CHUCK, 8T/12T TOOL TURRET,HYDRAULIC TAILSTOCK

Features:

- Adopt TAIWAN technology, designed by TAIWAN engineer, most parts adopt GERMANY/TAIWAN brand
- Adopt 30° integral slant bed design
- Z axes adopt 35mm width ROLLER type linear guideway, super high rigidity
- Adopt modularization design, easy for various especial configuration choice, such as tool setter, 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 precision C3 class pre-stretched ball screw(double nuts), coupled with feeding motor directly by linkager, no gap, high transmission rigidity
- H40T mount 8T hydraulic tool turret
- H40TC mount C axes and 12T BMT type Powered tool turret
- H40TY mount C axes and 12T BMT type Powered tool turret with 90° Y axes

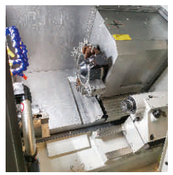
H40T frame



Z axes 35mm ROLLER type linear guideway

Ball screw double nuts

Spindle



H40TY 90° Y axes

H40TC TY powered tool turret

Specification:

Item	Specification	Unit	BL-H40T/BL-H40TC/BL-H40TY	
Capacity	Chuck size	/	6"	8"
	Max. swing dia. over bed	mm	Φ400	
	Max. turning length	mm	300	
	Max. turning dia.	mm	Φ280	
	Standard turning dia.	mm	Φ150	Φ200
Spindle	Spindle bore	mm	Φ56	Φ66
	Spindle end type	/	A2-5	A2-6
	Spindle speed	rpm	5000	4000
	Max. bar through dia.	mm	44	51
	Spindle motor power	kw	5.5(opt.:7.5)	7.5(opt.:11)
X/Z axes	X,Z axes linear guideway type	/	BALL type, ROLLER type	
	X,Z axes linear guideway width	mm	30,35	
	X,Z axes ball screw O.D.	mm	Φ32	
	X,Z axes ball screw pitch	mm	10	
	X axes travel	mm	180	
	Y axes travel	mm	None/None/70	
	Z axes travel	mm	320	
	X/Z axes rapid moving speed	m/min	28	
	Y axes rapid moving speed	m/min	None/None/16	
Tool turret	Tool turret type	/	8T Hydraulic type/12T Powered BMT40 type/12T Powered BMT40 type with Y axes	
	Toolshank size	mm	25×25, Φ32	
Tailstock	Tailstock quill taper	/	MT4#	
	Tailstock quill dia./travel	mm	Φ70/70	
Accuracy	Positioning accuracy(X/Z)	mm	0.01/1000	
	Repeat positioning accuracy(X/Z)	mm	0.008/1000	
Others	Overall size	mm	2300×1600×1700	
	N.W.	kg	3000	3100

* T means standard slant bed cnc lathe
TC means C axes and Powered tool turret
TY means C axes and Powered tool turret with 90°Y axes

Main parts list:

Item	Brand
CNC controller	GERMANY-SIEMENS
X,Z axes driver&motor	GERMANY-SIEMENS
Spindle unit	TAIWAN-VYU CHENG
C axes encoder	TAIWAN-GUBOA
Tool turret	TAIWAN-GSA/GERMANY-SAUTER/TAIWAN-SWIFT
Ball screw	TAIWAN-HIWIN
Ball screw bearing	GERMANY-FAG
Linear guideway	TAIWAN HIWIN
Lubrication system	TAIWAN-ISHAN
Rotary oil cylinder&chuck	TAIWAN-CHANDOX/AUTOGRIP
Hydraulic parts	TAIWAN/JAPAN
Heat exchanger	TAIWAN
Main electricity parts	FRANCE-SCHNEIDER

Standard configuration:

- SIEMENS 808D ADVANCED CNC controller
- Hydraulic chuck
- Hydraulic tool turret
- Hydraulic tailstock

Optional configuration:

- SIEMENS 828D/FANUC 0i TF CNC controller
- C axes& powered tool turret
- Y axes
- Automatic chip conveyor
- Tool setting probe
- Parts catcher

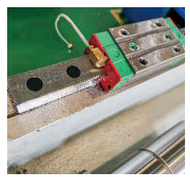
SLANT BED CNC LATHE/CNC TURNING CENTER H STANDARD SERIES

BL-H50T/TC/TY

TAIWAN TECHNOLOGY, 8"/10"/12" CHUCK, 12T TOOL TURRET, HYDRAULIC TAILSTOCK

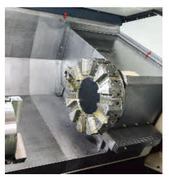
Features:

- Adopt TAIWAN technology, designed by TAIWAN engineer, most parts adopt GERMANY/JAPAN/TAIWAN brand
- Adopt 30° integral slant bed design
- X,Z axes adopt 45mm big width type linear guideway, super high rigidity
- Adopt modularization design, easy for various especial configuration choice, such as tool setter, 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 precision C3 class pre-stretched ball screw(double nuts), coupled with feeding motor directly by linkager, no gap,high transmission rigidity
- H50T mount 8T hydraulic tool turret
- H50TC mount C axes and 12T BMT type Powered tool turret
- H50TY mount C axes and 12T BMT type Powered tool turret with 90° Y axes

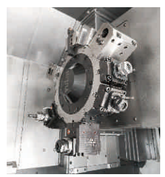


X Z axes 45mm THK linear guideway

Spindle



H50T 12 station hydraulic tool turret



H50TY 90° Y axes powered tool turret

SIEMENS 808D ADVANCED

Tool setting probe

Specification:

Item	Specification	Unit	BL-H50T/BL-H50TC/BL-H50TY		
Capacity	Chuck size	/	8"	10"	12"
	Max. swing dia. over bed	mm	Φ560		
	Max. turning length	mm	500		
	Max. turning dia.	mm	Φ450		
	Standard turning dia.	mm	Φ200	Φ250	Φ300
Spindle	Spindle bore	mm	Φ66		Φ86
	Spindle end type	/	A2-6		A2-8
	Spindle speed	rpm	4000		3500
	Max. bar through dia.	mm	51		74
	Spindle motor power	kw	7.5	11	15
X/Z axes	X,Z axes linear guideway type	/	BALL type		
	X,Z axes linear guideway width	mm	45		
	X,Z axes ball screw O.D.	mm	Φ32,Φ40		
	X,Z axes ball screw pitch	mm	10		
	X axes travel	mm	250		
	Y axes travel	mm	None/None/100		
	Z axes travel	mm	610		
	X/Z axes rapid moving speed	m/min	28		
	Y axes rapid moving speed	m/min	None/None/16		
Tool turret	Tool turret type	/	12T Hydraulic type/12T Powered BMT45 type/12T Powered BMT45 type with Y axes		
	Toolshank size	mm	25×25, Φ40		
Tailstock	Tailstock quill taper	/	MT4#		
	Tailstock quill dia./travel	mm	Φ80/80		
Accuracy	Positioning accuracy(X/Z)	mm	0.01/1000		
	Repeat positioning accuracy(X/Z)	mm	0.008/1000		
Others	Overall size	mm	2600×1800×1800		
	N.W.	kg	3600	3700	3800

* T means standard slant bed cnc lathe
TC means C axes and Powered tool turret
TY means C axes and Powered tool turret with 90°Y axes

Main parts list:

Item	Brand
CNC controller	GERMANY-SIEMENS
X,Z axes driver&motor	GERMANY-SIEMENS
Spindle unit	TAIWAN-VYU CHENG
C axes encoder	TAIWAN-GUBOA
Tool turret	TAIWAN-KING SUN/GERMANY-SAUTER/TAIWAN-SWIFT
Ball screw	JAPAN-THK
Ball screw bearing	GERMANY-FAG/JAPAN-NSK
Linear guideway	JAPAN-THK
Lubrication system	TAIWAN-ISHAN
Rotary oil cylinder&chuck	TAIWAN-CHANDOX/AUTOGRIP
Hydraulic parts	TAIWAN/JAPAN
Heat exchanger	TAIWAN
Main electricity parts	FRANCE-SCHNEIDER

Standard configuration:

- SIEMENS 808D ADVANCED CNC controller
- Hydraulic chuck
- Hydraulic tool turret
- Hydraulic tailstock

Optional configuration:

- SIEMENS 828D/FANUC 0i TF CNC controller
- C axes& powered tool turret
- Y axes
- Automatic chip conveyor
- Tool setting probe
- Parts catcher

SLANT BED CNC LATHE/CNC TURNING CENTER H STANDARD SERIES

BL-H50L/LC

TAIWAN TECHNOLOGY, 8"/10" CHUCK, 8T/12T TOOL TURRET, HYDRAULIC TAILSTOCK

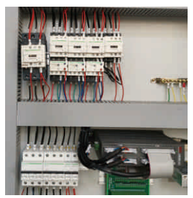
Features:

- Adopt TAIWAN technology, most parts adopt GERMANY/TAIWAN brand
- Adopt 45° mono-block slant bed, high rigidity
- Adopt high-class resin sand 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 pre-stretched ball screw(double nuts), coupled with feeding motor directly by linkager, no gap, high transmission rigidity
- Adopt SERVO tool turret, fast tool changing, good repeatability, high efficiency
- New cover, modern appearance
- H50L mount 8T hydraulic-servo tool turret
- H50LC mount C axes and 12T BMT type Powered tool turret

Hydraulic-servo tool turret

Hydraulic tailstock

H50LC 12 station powered tool turret



SCHNEIRDER electricity parts

SIEMENS 808D ADVANCED

Specification:

Item	Specification	Unit	BL-H50L/BL-H50LC	
Capacity	Chuck size	/	8"	10"
	Max. swing dia. over bed	mm	Φ470(for 400mm turning length) Φ520(for 750mm turning length)	
	Max. swing dia. over slide	mm	Φ170(for 400mm turning length) Φ210(for 750mm turning length)	
	Max. turning dia.	mm	Φ480/Φ420	
	Standard turning dia.	mm	Φ375/Φ420	
	Max. turning length	mm	400,750	
Spindle	Spindle bore	mm	Φ58	Φ82
	Spindle end type	/	A2-6	A2-8
	Spindle speed	rpm	4000	3000
	Max.bar through dia.	mm	Φ45	Φ65
	Spindle motor power	kw	7.5	11
X/Y/Z axes	X axes travel	mm	240	
	Z axes travel	mm	450,750	
	X,Z axes ball screw O.D.,pitch	mm	32,10	
	X/Z axes rapid moving speed	m/min	25	
	X/Z axes positioning accuracy	mm	0.008	
	X/Z axes repeat positioning accuracy	mm	0.004	
Tool turret	Tool turret type	/	H50L: 8 station Hydraulic-servo tool turret(25×25, Φ40mm) H50LC:12 station Servo powered tool turret(BMT45, 20×20, Φ32mm)	
Tailstock	Tailstock quill taper	/	MT5#	
	Tailstock quill dia.	mm	Φ100	
	Tailstock quill travel	/	100	
Others	Overall size	mm	2910×1800×1930(for 400mm turning length) 3160×2050×2000(for 750mm turning length)	
	N.W.	kg	4100(for 400mm turning length) 4900(for 750mm turning length)	

Main parts list:

Item	Brand
CNC controller	GERMANY-SIEMENS
X,Z axes driver&motor	GERMANY-SIEMENS
Spindle	Own-made
Servo tool turret	TAIWAN-SWIFT
Ball screw	TAIWAN-PMI
Linear guideway	GERMANY-REXROTH
Spindle bearing	GERMANY-NBGE
Ball screw bearing	JAPAN-NTN
Lubrication system	Joint-venture
Rotary oil cylinder&chuck	TAIWAN-AUTOSTRONG
Hydraulic parts	TAIWAN OMO
Coolant pump	Joint-venture
Tri-color indication lamp	TAIWAN-TEND
Main electricity parts	FRANCE-SCHNEIDER
Belt	GERMANY-OPTIBELT
Heat exchanger	TAIWAN-POINT
Extensible cover	TAIWAN

Standard configuration:

- SIEMENS 808D ADVANCED CNC controller
- Hydraulic chuck
- 8 station hydraulic-servo tool turret
- Hydraulic tailstock

Optional configuration:

- SYNTEC/SIEMENS 828D/FANUC 0i TF CNC controller
- Automatic chip conveyor
- C axes& Powered tool turret(H50LC)

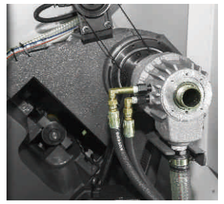
SLANT BED CNC LATHE Z ECONOMICAL SERIES

BL-Z5/Z6/Z6T/Z8T/Z10T

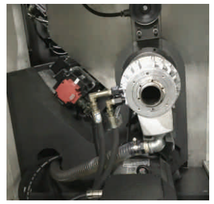
ECONOMICAL, 5"/6"/8"/10"/12" COLLET/CHUCK, GANG TOOL/8T, 10T TOOL TURRET

Features:

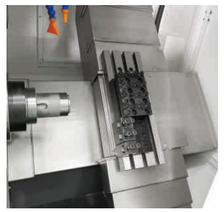
- Super high performance-price ratio
- Mono-block 45° slant bed
- For Z8T/Z10T, X,Z axes adopt ROLLER type linear guideway



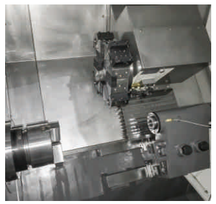
Z5 Z6 spindle



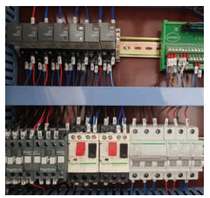
Z6T Z8T spindle



Z5 Z6 collet and gang tool



Z6T Z8T chuck and 8T/10T tool turret



SCHNEIDER electricity parts

GSK980TC3 controller

GSK988T controller

SIEMENS 808D ADVANCED

TAIWAN CL collet chuck(opt.)

Specification:

Item	Specification	Unit	BL-Z5	BL-Z6	BL-Z6T	BL-Z8T		BL-Z10T	
Capacity	Chuck size	/	Collet/5" chuck*	Collet/6" chuck*	6"/8"*	6"/8"*	8"/10"*	8"/10"*	10"/12"*
	Max. swing dia. over bed	mm	Φ400	Φ450	Φ360	Φ500		Φ520	
	Max. machining dia.(disc type)	mm	Φ200	Φ300	Φ250	Φ400		Φ460	
	Max. machining dia.(shaft type)	mm	Φ100	Φ120	Φ180	Φ250		Φ300	
	Center distance	mm	/	/	350	500	500/1000	620	
	Max. turning length	mm	160	250	300	400	400/1000	550	
	Max. bar through dia.	mm	Φ35	Φ45	Φ45	Φ45	Φ51	Φ51	Φ74
Spindle	Spindle speed	rpm	4500	4500	4000	4000	4000	4000	3000
	Spindle bore	mm	Φ45	Φ56	Φ56	Φ56	Φ62	Φ62	Φ86
	Spindle nose	/	A2-4	A2-5	A2-5	A2-5	A2-6	A2-6	A2-8
	Spindle motor	kw	5.5(Servo)	5.5(Servo)	5.5/7.5*(Servo)	7.5(Servo)	11(Servo)	11(Servo)	15(Servo)
Tool turret	Tool turret type	/	Gang tool	Gang tool/8 station tool turret*	8 station Hydraulic tool turret	10 station Hydraulic tool turret		10 station Hydraulic tool turret	
X/Z axes	X axes travel	mm	300	360	200	220		260	
	Z axes travel	mm	250	310	330	480/1000		620	
	X/Z axes servo motor	Nm	7.5/7.5(GSK)	7.5/7.5(GSK)	10/10(GSK)	15/15(GSK)		18/18(GSK)	
	X/Z axes Linear guideway width	mm	25	25/30	25/30	30/35(Roller type)		35/45(Roller type)	
	X/Z axes ball srew O.D./pitch	mm	Φ25/10	Φ32/10	Φ32/10	Φ32/10		Φ32/10, Φ40/10	
	X/Z axes rapid moving speed	m/min	20	20	20	20		20	
	X/Z axes positioning precision	mm	+/-0.006	+/-0.006	+/-0.006	+/-0.006		+/-0.006	
	X/Z axes repeatable positioning precision	mm	+/-0.005	+/-0.005	+/-0.005	+/-0.005		+/-0.005	
Tailstock	Tailstock quill travel	mm	N/A	Optional	80	80	100	100	
	Tailstock quill taper	/	N/A	Optional	MT4#	MT4#	MT5#	MT5#	
Others	Toolshank size	mm	16×16,Φ25	20×20,Φ25	25×25,Φ32	25×25,Φ32		25×25,Φ40	
	Overall size	mm	1720×1200×1500	2000×1450×1600	2220×1520×1670	2220/2900×1520×1670		2600×1600×1670	
	N.W.	kg	1500	2000	2500	2800	3000/4500	3800	4000

* As option

Main parts list:

Item	Brand
CNC controller	CHINA-GSK
Servo motor&driver	CHINA-GSK
Spindle Unit	CHINA Top
Spindle bearing	CHINA Top-HRB
Ball screw bearing	JAPAN-THT
Linear guideway	TAIWAN PMI(Opt.:CHINA Top-HTPM)
Ball screw	TAIWAN PMI(Opt.:CHINA&JAPAN joint venture-LAIEN)
Tool turret	TAIWAN
Chuck&oil cylinder	TAIWAN(Opt.: CHINA brand)
Electricity parts	FRANCE-SCHNEIDER

Standard configuration:

- GSK980TC3 CNC controller
- X.Z axes motor&driver:GSK servo
- Spindle: Spindel unit, GSK servo
- Hydraulic collet(Z5/Z6)/Hydraulic chuck (Z6T/Z8T/Z10T)
- Gang tool(Z5/Z6)/8,10 station hydraulic tool turret (Z6T/Z8T/Z10T)
- Hydraulic tailstock(Z6T/Z8T/Z10T)

Optional configuration:

- SIEMENS/FANUC controller
- Chip conveyor
- Bar feeder

SLANT BED CNC LATHE Y HEAVY-DUTY SERIES

BL-Y50/63/80

CHINA TOP QUALITY, LINEAR/BOX GUIDEWAY, HEAVY-DUTY TYPE, SUITABLE FOR LONG AXES TURNING

Features:

- 45° monoblock slant bed
- High rigidity, heavy-duty type, suitable for long axes heavy cutting
- Can choose LINEAR guideway or HARD BOX guideway
- CHINA top quality, high stability

Specification:

Item	Specification	Unit	BL-Y50	BL-Y63	BL-Y80
Capacity	Max. swing dia. over bed	mm	Φ500	Φ630	Φ800
	Max. swing dia. over slide	mm	Φ380	Φ440	Φ650
	Center distance	mm	1000/1500/2000/3000		
Spindle	Spindle bore	mm	Φ82	Φ105	Φ105
	Spindle speed	rpm	35~3000	15~1500	50~1500
	Chuck size	/	10"	15"	15"
	Spindle motor	kw	15	15	22
Feeding axes	X axes travel	mm	300	335	400
	Z axes travel	mm	1000/1500/2000/3000		
	X axes rapid moving speed	m/min	4(Box guideway)/10(Linear guideway)		
	Z axes rapid moving speed	m/min	6(Box guideway)/15(Linear guideway)		
Tool post	Tool post type	/	8T hydraulic tool turret	8T hydraulic tool turret	12T hydraulic tool turret
	Toolshank size	mm	25×25,Φ40	32×32,Φ50	32×32,Φ50
Tailstock	Tailstock quill travel	mm	150		
	Tailstock quill dia.	mm	Φ75	Φ130	Φ130
	Tailstock quill taper	/	MT5#		
Overall size	L	mm	4850/5350/5850/6850		
	W×H	mm	1800×1800	2050×2300	2570×2400
Weight	N.W.	T	6.5/7/7.5/8.5	7/7.5/8/9	7.5/8/8.5/9

Standard configuration:

- FANUC 0i TF controller
- Hydraulic chuck
- Hydraulic tool turret
- Hydraulic tailstock

Optional configuration:

- SIEMENS/GSK controller