



BLIN MACHINERY

TAIWANESE/JAPANESE TECHNOLOGY

S PRECISE SERIES

SLANT BED CNC LATHE
CNC TURNING CENTER

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Machines' design and specification are subjected to update without notice



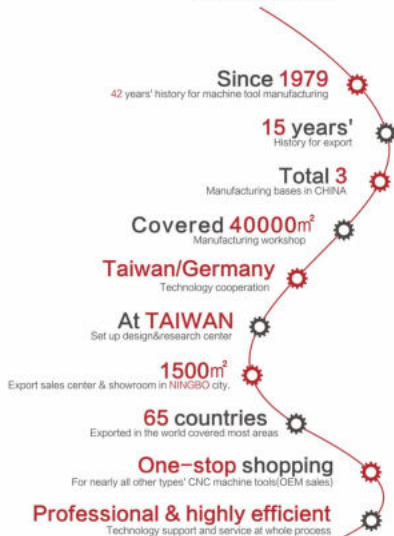
2021A

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NINGBO BLIN MACHINERY CO.,LTD.

History

Our advantages:

www.blincnc.com



SLANT BED CNC LATHE/ CNC TURNING CENTER

• 5 PRECISE SERIES

S32 Linear guideway, A2-4 spindle, 5" collet, gang tool, without tailstock	01/03
S32T Linear guideway, A2-4 spindle, 5" chuck, 8T hydraulic-servo tool turret, without tailstock	01/03
S36 Linear guideway, TSUGAMI structure, A2-5 spindle, 6" chuck, gang tool, without tailstock	04/06
S36T Linear guideway, TSUGAMI structure, A2-5 spindle, 6" chuck, 8T hydraulic-servo tool turret, without tailstock	04/06
S40 Linear guideway, TAKISAWA structure, A2-5/A2-6 spindle, 6"/8" chuck, 8/12T hydraulic-servo tool turret, hydraulic tailstock	07/09
S40M Linear guideway, TAKISAWA structure, A2-5 spindle, 6" chuck, 12T powered tool turret, hydraulic tailstock	07/09
S205 ROLLER type linear guideway, MAZAK structure, A2-6 spindle, 8"/10" chuck, 8/12T hydraulic-servo tool turret, programmable hydraulic tailstock	10/12
S205M ROLLER type linear guideway, MAZAK structure, A2-6 spindle, 8"/10" chuck, CS axes & 12T powered tool turret, programmable hydraulic tailstock	10/12
S205Y ROLLER type linear guideway, MAZAK structure, A2-6 spindle, 8"/10" chuck, CS axes & 12T powered tool turret & Y axes, programmable hydraulic tailstock	10/12
S205S ROLLER type linear guideway, MAZAK structure, A2-6 main spindle(8"/10" chuck), 8/12T hydraulic-servo tool turret, A2-5 Sub-spindle(6" chuck)	10/12
S205SM ROLLER type linear guideway, MAZAK structure, A2-6 main spindle(8"/10" chuck), CS axes & 12T powered tool turret, A2-5 Sub-spindle(6" chuck)	10/12
S205SY ROLLER type linear guideway, MAZAK structure, A2-6 main spindle(8"/10" chuck), CS axes & 12T powered tool turret & Y axes, A2-5 Sub-spindle(6" chuck)	10/12



Features:

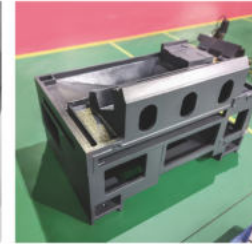
- New generation high precision slant bed cnc lathe after optimization based on old S32/32T model
- S32 mount gang tool device, S32T mount 8 station HYDRAULIC-SERVO tool turret
- Super compact structure(similar as JAPAN machine), big inside space, modern appearance
- Adopt TAIWAN technology, designed 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 linkage, 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



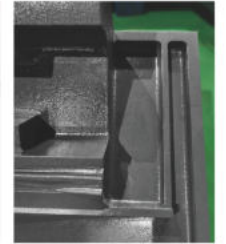
S32 mount collet+gang tool



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	Isolation transformer	CHINA top-CHINT/JIUKO
X,Z axes driver&motor	GERMANY-SIEMENS	Circuit breaker	FRANCE-SCHNEIDER
Spindle driver&motor	GERMANY-SIEMENS	AC contactor	FRANCE-SCHNEIDER
Spindle unit	TAIWAN-VOLIS/KENTURN	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	JAPAN-NSK/NTN	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-AUTOGRIIP	Shaft coupling	GERMANY-KTR/R+W
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

Specification:				
Item	Specification	Unit	BL-S32	BL-S32T
Capacity	Chuck size	/	5" 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	180
Spindle	Max. turning dia.	mm	Φ200	Φ250
	Spindle bore	mm	Φ46	Φ46/Φ56 [*]
	Spindle end type	/	A2-4	A2-4/A2-5 [*]
	Spindle speed	rpm		5000
	Max. bar through dia.	mm	Φ32	Φ32/Φ44 [*]
	Spindle motor power	kw		5.5
	X axes travel	mm		290
X/Z axes	Z axes effective travel	mm		250
	X/Z axes motor	Nm		6/6
	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	/	0.57
	Toolshank size	mm	16×16(20×20) [*] , Φ25	20×20, Φ25
Tailstock	Tailstock quill taper	/		None
	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
Others	Repeat positioning accuracy(X/Z)	mm		0.002/0.004
	Coolant motor	w		480
	Coolant liquid flux	m ³ /h		2.5
	Overall size	mm		1800×1400×1500/2500×1400×1500 (exclude/include chip conveyor)
	N.W.	kg		1700

*As option



Features:

- S36 mount gang tool device, S36T mount 8 station HYDRAULIC-SERVO tool turret
- 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 linkage, 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
- For S36T, mount energy-storage tank,reduce pressure fluctuation during tool change
- Can mount right-setting or back-setting chip conveyor

Standard configuration:

- SIEMENS 808D ADVANCED 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
- Air conditioner
- Automatic tool setting probe

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



S36 mount gang tool



S36T mount 8T servo tool turret



JAPANESE style structure



Double nuts ball screw



Spindle



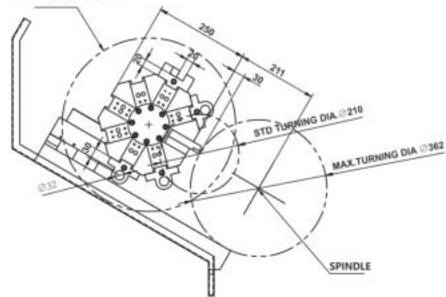
SCHNEIDER electricity parts



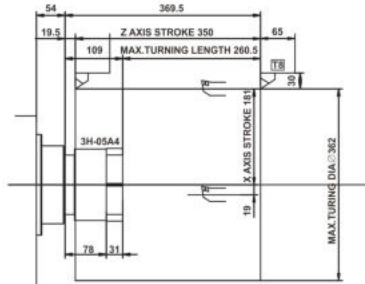
Automatic Tool setting probe



Solution for SEALS process(opt.)

 MAX.TOOL SWING. $\varnothing 460$


S36T Tools interference(SAUTER 8T)



S36T Travel(SAUTER 8T)

Standard configuration:

- SIEMENS 808D ADVANCED CNC controller
- Hydraulic chuck
- Gang tool(S36)/8 station Hydraulic-servo tool turret(S36T)

Optional configuration:

- SIEMENS 828D/FANUC Oi TF CNC controller
- Automatic chip conveyor
- Tool setting probe

Specification:

Item	Specification	Unit	BL-S36	BL-S36T
Capacity	Chuck size	mm	6"	6"
	Max. swing dia. over bed	mm	$\varnothing 460$	$\varnothing 460$
	Max. swing dia. over slide	mm	$\varnothing 130$	$\varnothing 265$
	Max. turning length	mm	330	260
Spindle	Max. turning dia.	mm	$\varnothing 300$	$\varnothing 320$
	Spindle bore	mm	$\varnothing 56$	$\varnothing 56$
	Spindle end type	/	A2-5	A2-5
	Spindle speed	rpm	5000	5000
	Max. bar through dia.	mm	$\varnothing 44$	$\varnothing 44$
	Spindle motor power	kw	5.5	5.5
	Max. bar through dia.	mm	160+20	160+20
X/Z axes	Z axes effective travel	mm	350	300
	X axes travel	mm	350	300
	X/Z axes motor	Nm	6/6	6/6
	X/Z axes rapid moving speed	m/min	28	28
Tool turret	X/Z axes ball screw dia./pitch	mm	32/12	32/12
	X/Z axes linear guideway width	mm	30/35	30/35
	Tool turret type	/	Gang tool	Hydraulic-servo tool turret
	Tool qty	/	5	8
Tailstock	Vicinal tool changing time	s	/	0.4
	Farthest tool changing time	s	/	0.57
	Toolsank size	mm	20×20, $\varnothing 25$	20×20, $\varnothing 32$
Accuracy	Tailstock	/	N/A	N/A
	Ex-circle finish turning accuracy	/	IT6	IT6
	Finish turning roughness	mm	Ra0.4-1.6	Ra0.4-1.6
	Finish turning roundness	mm	≤ 0.003	≤ 0.003
Others	Positioning accuracy(X/Z)	mm	0.005/0.008	0.005/0.008
	Repeat positioning accuracy(X/Z)	mm	0.002/0.004	0.002/0.004
	Coolant pump power	w	480	480
	Coolant flow	m ³ /h	2.5	2.5
	Overall size	mm	1650×1600×1550/2450×1600×1550 (exclude/include chip conveyor)	1650×1600×1550/2450×1600×1550 (exclude/include chip conveyor)
N.W.	kg	2300	2400	

Main parts list:

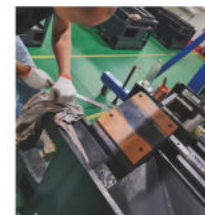
Item	Brand	Item	Brand
CNC controller	GERMANY-SIEMENS	Tri-color indication lamp	KOREA-QLIGHT
X,Z axes driver&motor	GERMANY-SIEMENS	Breaker	FRANCE-SCHNEIDER
Spindle driver&motor	GERMANY-SIEMENS	AC contactor	FRANCE-SCHNEIDER
Spindle unit	TAIWAN-VOLIS/KENTURN	Relay	JAPAN-OMRON
Ball screw	TAIWAN-PMI/HIWIN	DC switch power supply	TAIWAN-MEANWELL
Ball screw bearing	JAPAN-NSK/NTN	Terminal block	GERMANY-WEIDMULLER
Linear guideway	TAIWAN PMI/HIWIN	Synchronous belt	USA-GATES
Tool turret	GERMANY-SAUTER/INDIA PRAGATI	Synchronous belt wheel	TAIWAN-PTP
Lubrication system	TAIWAN-ISHAN	Nuts	TAIWAN-YINSH
Rotary oil cylinder&chuck	TAIWAN-AUTOGRIP	Shaft coupling	GERMANY-KTR/R+W
Hydraulic parts	TAIWAN/JAPAN	Scrapping plate & Extensile cover	TAIWAN-WANHE
Coolant pump	Joint-venture	Chip conveyor&chip bucket	TAIWAN-WANHE
MPG	USA-HESS	Coolant pipe	TAIWAN-WEIDING



30° mono-block frame



Honeycomb shape strong structure



Contact face strapping



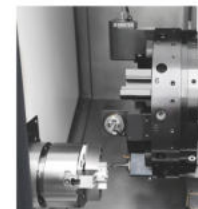
Spindle



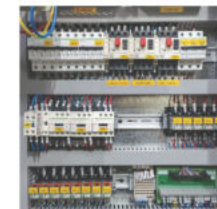
S40M Hydraulic brake and high precision magnet ring encoder



S40 8T Hydraulic-Servo tool turret



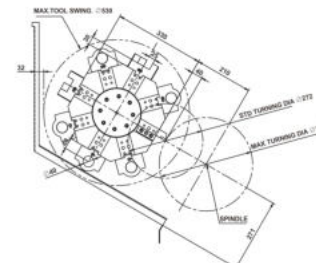
S40M VDI30 12T powered tool turret



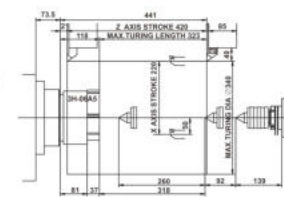
SCHNEIDER electricity parts

Features:

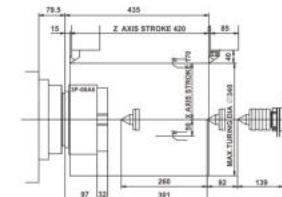
- Super compact structure, big inside space, modern appearance
- Adopt TAIWAN technology, designed by TAIWAN engineer, most parts adopt GERMANY/JAPAN/TAIWAN brand
- Adopt 30° integral slant bed design/structure similar as JAPAN TAKISAWA 106, high rigidity, good machining flexibility, easy for chip conveying
- Adopt modularization design, has strong extended function, easy for various especial configuration choice, such as tool setter, parts catcher, robot etc
- 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 beds' 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 feeding motor directly by linkage, 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 heavy loading and precise machining
- Mount energy-storage tank, reduce pressure fluctuation during tool change
- Can mount right-setting or back-setting chip conveyor, strong chip conveying capacity
- S40: 8T/12T Hydraulic-servo tool turret
- S40M: 12T VDI30 Servo powered tool turret and CS axes



S40 Tools interference(SAUTER 8T)



S40 A2-6 6" chuck travel(SAUTER 8T)



S40 A2-6 8" chuck travel(SAUTER 8T)

Standard configuration:

- SIEMENS 808D ADVANCED CNC controller
- Hydraulic chuck
- S40: Hydraulic-servo tool turret
S40M: 12T VDI30 powered tool turret
- Hydraulic tailstock

Optional configuration:

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

TAIWAN TECHNOLOGY, 6"18" CHUCK, 8T/12T TOOL TURRET, HYDRAULIC TAILSTOCK

Specification:				
Item	Specification	Unit	BL-S40	BL-S40M
Capacity	Chuck size	/	8"	6"
	Max. swing dia. over bed	mm		Φ500
	Max. swing dia. over slide	mm		Φ270
	Max. turning length	mm	320	290
Spindle	Max. turning dia.	mm	Φ360	Φ340
	Spindle bore	mm	Φ56	Φ56
	Spindle end type	/	A2-5	A2-5
	Spindle speed	rpm	5000	4000
	Max. bar through dia.	mm	44	51
	Spindle motor power	kw	7.5	11
X/Z axes	CS axes division accuracy	Deg	/	0.001°
	X axes travel	mm	180+20	160+20
	Z axes effective travel	mm	360	290
	X/Z axes rapid moving speed	m/min		30
Tool turret	Tool turret type	/	HYDRAULIC-SERVO	SERVO POWERED
	Tool qty	/	8/12*	12
	Vicinal tool changing time	s		0.4
	Farthest tool changing time	s		0.57
	Toolshank size	mm	25×25(SAULTER 8T)/20×20(SAULTER 12T*), Φ40(SAULTER 8T)/Φ32(SAULTER 12T*)	20×20,Φ32
	Live tool driven motor	kw	/	3.3(SIEMENS 828D)
	Live tool driven motor torque	N.m	/	16(SIEMENS 828D)
Tailstock	Live tool max. speed	rpm	/	4500
	Live tool type	/	/	VDI30
	Tailstock quill taper	/		MT4#
	Tailstock quill dia./travel	mm		Φ70/90
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
Others	Repeat positioning accuracy(X/Z)	mm		0.002/0.004
	Coolant pump power	w		580
	Coolant flow	m ³ /h		2.5
	Overall size	mm		1900×1500×1600/2700×1500×1600(exclude/include chip conveyor)
	N.W.	kg	2700	2800

* As option

Main parts list:			
Item	Brand	Item	Brand
CNC controller	GERMANY-SIEMENS/JAPAN-FANUC	Tri-color indication lamp	KOREA-QLIGHT
Servo driver&motor	GERMANY-SIEMENS/JAPAN-FANUC	Breaker&AC contactor	FRANCE-SCHNEIDER
Spindle unit	TAIWAN-VOLIS/KENTURN	Relay	JAPAN-OMRON
Hydraulic-servo tool turret(S40)	GERMANY-SAULTER/INDIA PRAGATI	DC switch power supply	TAIWAN-MEANWELL
Powered tool turret(S40M)	GERMANY-SAULTER	Terminal block	GERMANY-WEIDMULLER
Ball screw	TAIWAN-PMI/HIWIN	Synchronous belt	USA-GATES
Ball screw bearing	JAPAN-NSK/NTN	Synchronous belt wheel	TAIWAN-PTP
Linear guideway	TAIWAN-PMI/HIWIN	Nuts	TAIWAN-YINSH
Lubrication system	TAIWAN-ISHAN	Shaft coupling	GERMANY-KTR/R+W
Rotary oil cylinder&chuck	TAIWAN-AUTOGRIP	Scrapping plate&Extensable cover	TAIWAN-WANHE
Hydraulic parts	TAIWAN/JAPAN	Chip conveyor&chip bucket	TAIWAN-WANHE
MPG	USA-HESS	Coolant pipe	TAIWAN-WEIDING

JAPAN TECHNOLOGY, 8"110" CHUCK, 8T/12T TOOL TURRET, HEAVY-DUTY TYPE



- Features:**
- Adopt similar structure as JAPAN MAZAK, bed adopt flat bed, slide board adopt 30°slant design, high rigidity, good machining flexibility
 - Adopt JAPAN technology, designed by JAPAN engineer, most parts adopt GERMANY/JAPAN/TAIWAN brand
 - Adopt modularization design, has strong extended function, easy for various especial configuration choice, such as tool setter, parts catcher, robot etc.
 - 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 rotor 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 linkage, high transmission rigidity, can realize μ class precise turning.
 - Adopt high precision ROLLER type linear guideway, high rigidity, good accuracy holding, suitable for heavy loading and precise machining
 - Adopt Hydraulic-servo tool turret/powered tool turret, fast tool changing, good repeatability, high efficiency
 - S205/205M/205Y adopt special structure programmable tailstock, tailstock quill not move, whole tailstock body driven by hydraulic cylinder on linear guideway
 - S205S/205SM/205SY adopt high precision electro-spindle as Sub-spindle
 - Can mount right-setting or back-setting chip conveyor, strong chip conveying capacity
 - S205: 8T/12T hydraulic-servo tool turret+tailstock; S205M: 12T powered tool turret+tailstock; S205Y: 12T powered tool turret+Y axes+tailstock; S205S: 12T hydraulic-servo tool turret+Sub-spindle; S205SM: 12T powered tool turret+Sub-spindle; S205SY: 12T powered tool turret+Y axes+Sub-spindle



Similar structure as MAZAK



Hydraulic programmable tailstock



S205 Strong spindle



CS axes and hydraulic brake



Sub-spindle CS axes and hydraulic brake



S205 8T Hydraulic-servo tool turret



S205SM 12T SAUTER power tool turret



S205Y 205SY YS axes

Main parts list:

Item	Brand	Item	Brand
CNC controller	GERMANY-SIEMENS/JAPAN-FANUC	Working lamp	JAPAN-NIKKI
Servo driver&motor	GERMANY-SIEMENS/JAPAN-FANUC	Breaker	FRANCE-SCHNEIDER
Spindle bearing	JAPAN-NSK/NTN	AC contactor	FRANCE-SCHNEIDER
Tool turret	Own-made/GERMANY-SAUTER	Relay	JAPAN-OMRON
Ball screw	TAIWAN-PMI/HIWIN	DC switch power supply	FRANCE-SCHNEIDER
Ball screw bearing	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/JAPAN-NBK
Coolant pump	Joint-venture	Scrapping plate & Extensible cover	JAPAN-LOCOSO
Tri-color indication lamp	KOREA-QLIGHT	Chip conveyor&chip bucket	TAIWAN-WANHE

Standard configuration:

- SIEMENS/FANUC CNC controller
- Hydraulic chuck

Optional configuration:

- Tool setting probe
- Automatic chip conveyor

Specification:		Unit	BL-S205	BL-S205M	BL-S205Y	BL-S205S	BL-S205SM	BL-S205SY
Capacity	Max. swing dia. over bed	mm	Φ550					
	Max. swing dia. over slide	mm	Φ290	Φ290	Φ200	Φ290	Φ290	Φ200
	Max. turning length	mm	530					
	Max. turning dia.	mm	Φ380	Φ380	Φ300	Φ380	Φ380	Φ300
Spindle	Spindle transmission type	/	Mechanical spindle, belt-drive					
	Spindle bore	mm	Φ66					
	Spindle end type	/	A2-6					
	Spindle speed	rpm	4500					
	Spindle max. bar through dia.	mm	Φ51					
	Spindle motor power	kw	11					
	Spindle chuck size	"	8"					
	Spindle C axes division accuracy	Deg	/	0.001*	0.001*	/	0.001*	0.001*
	Sub-spindle transmission type	/	Electro-spindle, direct-drive					
	Sub-spindle bore	mm	Φ56					
Sub-spindle	Sub-spindle end type	/	A2-5					
	Sub-spindle rated/max. speed	rpm	1750/6000					
	Sub-spindle max. bar through dia.	mm	Φ44					
	Sub-spindle motor power	kw	11					
	Sub-spindle chuck size	"	6"					
	Sub-spindle rapid moving speed	m/min	28					
	Sub-spindle travel	mm	490					
	XY/Z axes linear guideway type	/	ROLLER type					
XY/Z axes	X axes travel	mm	190+10	190+10	170+20	190+10	190+10	170+20
	Y axes travel	mm	/	/	±45	/	/	±45
	Z axes travel	mm	550					
	X/Z axes rapid moving speed	m/min	30					
	Y axes rapid moving speed	m/min	/	/	30	/	/	30
	Tool turret type	/	Hydraulic-servo tool turret	BMT55 Powered tool turret	BMT55 Powered tool turret	Hydraulic-servo tool turret	BMT55 Powered tool turret	BMT55 Powered tool turret
Tool turret	Tool qty	/	8T(opt-12T)	12T	12T	12T	12T	
	Vicinal tool changing time	s	0.28					
	Farthest tool changing time	s	0.4					
	Toolshank size	mm	25×25, Φ40					
	Live tool motor power	kw	/	4.5	4.5	/	4.5	4.5
	Live tool motor torque	Nm	/	15	15	/	15	15
Tailstock	Live tool max. speed	rpm	/	4000	4000	/	4000	4000
	Distance from tailstock center to chuck jaw(programmable range)	mm	65-565					
	Tailstock rapid move speed	m/min	Servo tailstock:30; Hydraulic tailstock: 15					
	Tailstock quill taper	/	MT4#					
	Ex-circle finish turning accuracy	/	IT6					
	Finish turning roughness	mm	Ra0.4-1.6					
Accuracy	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					
	Coolant pump motor	w	480					
	Coolant pump flow	m ³ /h	2.5					
Others	Overall size	mm	2455×1720×1740/3480×1720×1740 (exclude/include chip conveyor)			2605×1720×1840/3630×1720×1840 (exclude/include chip conveyor)		
	N.W.	kg	4100	4100	4200	4450	4450	4550