



SELICA
INTERNATIONAL CO.,LTD



PRECISION CNC LATHE
CNC MULTI-TASKING TURNING CENTER

▶▶▶ <http://www.selica.com.tw>

CE

DUAL SPINDLE TURNING CENTERS

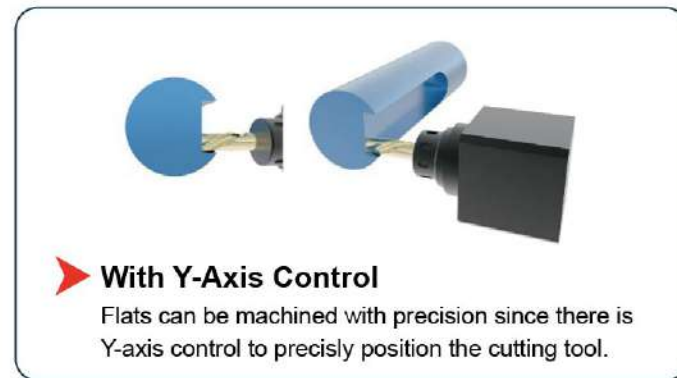
SZ-2000T2 / 2000T2Y / 2000T3Y2

SZ-2000T2 / 2000T2Y / 2000T3Y2



▶ **Twin Spindles & Twin Turrets**

Model	Unit	SZ-2000T2	SZ-2000T2Y	SZ-2000T3Y2
Swing over bed	mm	660		325
Swing over saddle	mm	620		325
Max. Spindle turning diameter	mm	320		320
Max. turning length	mm	810		295
Spindle nose taper	ASA	A2-5 (A2-8 / A2-11)		A2-5 (A2-6)
Spindle chuck diameter	inch	6 (10 / 15)		6 (8)
Spindle speed	rpm	5000 (3500 / 2500)		5000 / 4500
Spindle motor power Cont./30min	kW	11 / 15 (15 / 18.5)		11 / 15
Spindle bar capacity	mm	52 (78 / 105)		52 (65)
Sub spindle nose taper	ASA		A2-5 (A2-6)	
Sub spindle chuck diameter	inch		6 (8)	
Sub spindle speed	rpm		5000 / 4500	
Sub spindle motor power Cont./30min	kW		11 / 15	
Sub spindle bar capacity	mm		52 (65)	
Z-axis travel	mm	Z1 / Z2: 840		Z1 / Z3: 350 Z2: 840
Y-axis travel	mm	-	Y1: -40 / +60	Y1 / Y3: +65 / -45
X-axis travel	mm	X1 / X2: 210		X1 / X2 / X3: 210
B-axis travel	mm		920	
X/Z-axis rapid Traverse rate	m/min	30 / 40		24 / 40
Y-axis rapid Traverse rate	m/min	-	30	20
Tooling system			BMT 40	
Turret driven type			Servo mechanical	
Number of tools	station	16x2=32		16x3=48
Square tool shank size	mm		20	
Round tool shank size	mm		32	
Rotary tool spindle power	kW	3.7 / 5.5		4.5
Rotary tool spindle speed	rpm		6000	
Machine dimension L x W x H	m		4.7 x 2.4 x 2.3	
Net weight	kg	10500	11000	11500



Standard accessory

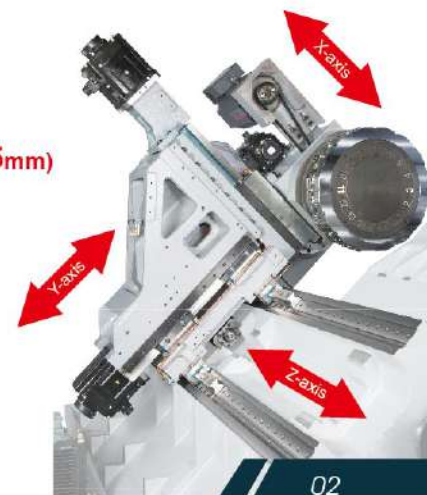
- Hollow 3-jaw hydraulic cylinder and chuck
- RS-232 interface
- Heat exchanger for electric cabinet
- Hydraulic power supply unit
- Coolant system (4-bar)
- Central lubrication unit
- Three-color warning light
- Chip conveyor and chip cart
- Standard soft jaw and hard jaw
- Tool kit
- Operation manual

Optional accessory

- Radial rotary tool holder
- Axial rotary tool holder
- Auto door
- Oil-coolant skimmer
- Oil mist collector
- Transformer
- CE certification

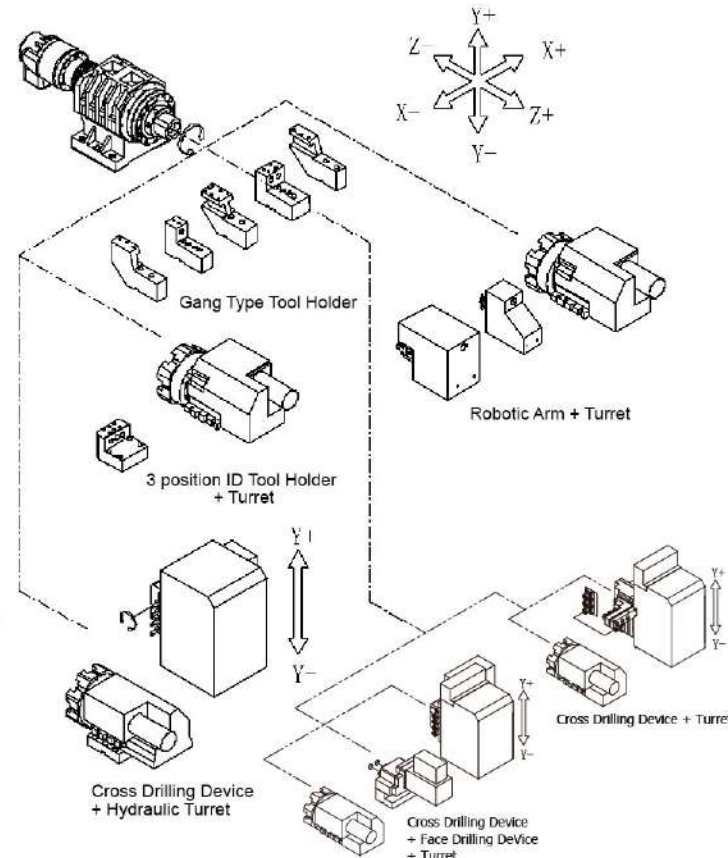
Axial travel

Travels
X1, X2 axis
210mm
Y1, Y2 axis
110mm
(+65 -45mm)
2 Turret
Z1, Z2 axis
840mm
3 Turret
Z1, Z3 axis
350mm
Z2 axis
840mm

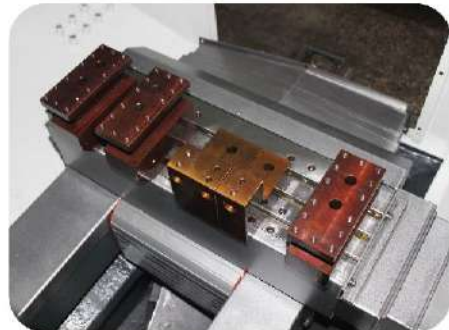


CNC GANG / TURRET LATHE

SD-32



➤ Collet Chuck



➤ Gang Type Tool Holder



➤ Hydraulic Turret + Face Drilling Device



➤ Robotic Arm



➤ Hydraulic Turret + 3 position ID Tool Holder



➤ Hydraulic Turret + Cross Drilling Device

Model	Unit	SD-32	SD-32Y
Max. swing over bed	mm	500	
Max. turning diameter	mm	Ø100	
Spindle bore diameter	mm	Ø32	
Max. turning length	mm	100	
X/Z-axis travel	mm	175	135
X/Z-axis rapid traverse	m/min	20	
Positioning accuracy	mm	0.005	
Transmission		Belt	
Spindle motor	kw	3.7	
Spindle speed	rpm	50-6000	
Spindle chuck		4"	
Ballscrew diameter	mm	Ø25	
X/Z-axis motor	kw	0.75	
Number of tool station	pcs	8	
Turret indexing time	sec	0.3	
Front drilling motor	kw	-	0.75
Cross drilling motor	kw	-	0.75
Y-axis motor	kw	-	0.75
Slideway type		Linear guide way	
Turning tool diameter	mm	□16	
Boring tool diameter	mm	Ø20	
Coolant motor	HP	3/4	
Coolant tank capacity	L	80(85%)	
Hydraulic motor	HP	1	
Hydraulic tank capacity	L	20(85%)	
Power requirement	kva	10	
Machine dimensions(LxWxH)	mm	1950 x 1670 x 1700	
Weight	kg	1700	1750

Standard accessory

- Cutting coolant
- Central lubrication unit
- Tools and tool box
- Foot switch
- Operation manual
- NC operation manual
- NC maintenance manual
- Collet chuck
- Barfeeder interface
- Inner tool holder
- Wedge block
- Cutting tool sleeve
- Heat exchanger

Optional accessory

- 4" 3 jaw chuck
- Chip conveyor and cart
- Parts conveyor
- Parts catcher
- Voltage stabilizer
- Transformer
- Hydraulic bar feeder

CNC SLANT BED LATHE

SL-60L Linear Guideway



SH-90 Square Guideway

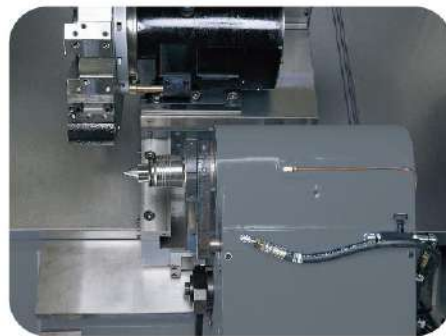


Model	Unit	SL-42	SL-52	SL-60	SL-60L
Max. swing over bed	mm	510	510	510	510
Max. turning diameter	mm	Ø320	Ø320	Ø320	Ø320
Max. turning length	mm	320	320	320	500
Spindle max.bar capacity	mm	Ø42	Ø50	Ø60	Ø60
Spindle bore diameter	mm	Ø56	Ø70	Ø75	Ø75
Spindle nose		A2-5	A2-5	A2-6	A2-6
Spindle speed range	rpm	45~3500	45~3500	45~3500	45~3500
Spindle motor	kw	Standard: 7.5 , Optional: 15		15	
Number of tool station		10	10	12(8)	12(8)
Max. stroke X/Z-axis	mm	171 / 360	171 / 360	170 / 360	171 / 550
Rapid traverse X/Z-axis	m/min	16 / 20	16 / 20	16 / 20	16 / 20
Turret indexing time	sec	0.3	0.3	0.3	0.3
Machine slant design	deg	30°	30°	30°	30°
Slideway type		Linear guideway		Linear guideway	
Quill taper		MT4	MT4	MT4	MT4
Tailstock traverse	mm	100	100	100	100
Spindle hydraulic chuck		8"	8"	8"	8"
Turning tool diameter	mm	□20	□20	□20	□20
Boring tool diameter	mm	Ø32	Ø32	Ø32	Ø32
X/Z-axis ballscrew	mm	Ø32	Ø32	Ø32	Ø32
Hydraulic motor	kw	1.5	1.5	1.5	1.5
Lubrication system motor	kw	3.5	3.5	3.5	3.5
Power requirement	kva	20	20	32	32
Coolant tank capacity	L	120	120	120	120
Machine dimensions(LxWxH)	mm	2165x1555x1890	2165x1555x1890	2475x1605x1910	2780x1625x1948
Weight	kg	3100	3200	2800	3200



➤ 3-Jaw Chuck, Turret and Tailstock

The 12-position heavy turret features large diameter curvic coupling and high pressure of 4396 kgf. Tool change time between adjacent tools is 0.3 seconds.



➤ Programmable Tailstock

The widely spaced tailstock slideways and heavy duty construction assure maximum rigidity. The center sleeve can be controlled by foot switch or programs.



➤ Precision Spindle

The spindle stock is manufactured from high quality meehanite cast iron. The spindle stock surface has fins to increase heat dissipation efficiency while assuring spindle accuracy.

Standard accessory

- Cutting coolant
- Splash guard
- Hydraulic turret
- Tailstock
- Chuck air blow
- Tools and tool box
- Wedge block
- Leveling pads
- Heat exchanger
- Operation manual

Optional accessory

- Tool presetter
- Chip conveyor
- Parts conveyor
- Parts catcher
- Voltage stabilizer
- Transformer
- Hydraulic bar feeder
- CE certification



CNC SLANT BED LATHE

Model	Unit	SH-75/90	SH-75L/90L	SH-75M/90M	SH-75ML/90ML
Max. swing over bed	mm	Ø670	Ø670	Ø670	Ø670
Max. turning diameter	mm	Ø520	Ø520	Ø400	Ø400
Max. turning length	mm	610	1100	540	1100
Spindle max. bar capacity	mm	Ø73 / Ø89		Ø73 / Ø89	
Spindle bore diameter	mm	Ø87 / Ø102		Ø87 / Ø102	
Spindle nose		A2-8		A2-8	
Spindle speed range	rpm	45~3000		45~3000	
Spindle motor	kw	18.5 / 22		18.5 / 22	
Number of tool station		12 / 10	12 / 10	12	
Max. stroke X-axis	mm	270		270	
Max. stroke Z-axis	mm	650	1150	550	1050
Rapid traverse X-axis	m/min	16		16	
Rapid traverse Z-axis	m/min	20		20	
Machine slant design	deg	45°		45°	
Slideway type		Square guideway		Square guideway	
Tailstock taper		MT5		MT5	
Spindle hydraulic chuck	inch	10" / 12"		10" / 12"	
Turning tool diameter	mm	□32		□32	
Boring tool diameter	mm	Ø50		VDI 50	
Driven tool motor power /30min	kw	-		7.5	
Hydraulic pump motor	kw	1.5		1.5	
Lubrication motor	kw	75		75	
Power requirement	kva	44		56 / 62	
Coolant tank capacity	L	190		190	
Machine dimensions(LxWxH)	mm	3209x1990x2200	3965x1990x2200	3290x1990x2200	3965x1990x2200
Weight	kg	6350 / 6380	7510 / 7530	6400 / 6430	7560 / 7590

Standard accessory

- Cutting coolant
- Splash guard
- Hydraulic turret
- Tailstock
- Chuck air blow
- Tools and tool box
- Wedge block
- Leveling pads
- Heat exchanger
- Operation manual
- Power turret
(For SH-75M/75ML/90M/90ML)
- C axis
(For SH-75M/75ML/90M/90ML)

Optional accessory

- Tool presetter
- Chip conveyor and cart
- Parts conveyor
- Parts catcher
- Voltage stabilizer
- Transformer
- CE certification



Model	Unit	SH-550					SH-680					SH-700				SH-900			
Max. swing over bed	mm	750					850					900				1030			
Max. turning diameter	mm	550					680					700				900			
Max. turning length	mm	630	1130	1630	2130	3062	630	1130	1630	2130	3062	1400	2100	3000	4000	1350	2050	2950	3950
Spindle max. bar capacity	mm	90 (105 / 116.5)					90 (105 / 116.5 / 166.5)					116 (190 / 235 / 260 / 320 / 360)							
Spindle bore diameter	mm	101 (116 / 131)					101 (116 / 131 / 181)					131 (205 / 235 / 258)				205 (235 / 258 / 320 / 375)			
Spindle nose		A2-8 (A2-11)					A2-8 (A2-11 / A2-15)					A2-11 (A2-15)				A2-15 (A2-20)			
Spindle speed range	rpm	2700 (2500 / 2000)					2700 (2500 / 2000 / 1800)					2000 (1500 / 850 / 800)				1500 (850 / 800 / 400 / 300)			
Spindle motor	kw	18.5 / 22 (30 / 37)					18.5/22 (30/37) +2-speed gearbox					30 / 37 (37 / 45) +2-speed gearbox							
Number of tool station		12 (12)										12							
Max. stroke X-axis	mm	275+30					340+30					350+30				450+20			
Max. stroke Z-axis	mm	750	1250	1750	2250	3182	750	1250	1750	2250	3182	1500	2100	3100	4100	1500	2100	3100	4100
Rapid traverse X-axis	m/min	20										20							
Rapid traverse Z-axis	m/min	20	20	20	15	10	20	20	20	15	10	24	15	10	6	24	15	10	6
Slideway type		Square guideway																	
Tailstock taper		MT6										MT6							
Spindle hydraulic chuck	inch	12 (15)					12 (15 / 18)					15 (18 / 20 / 24)				24 (32)			
Turning tool diameter	mm	□32										□32							
Boring tool diameter	mm	Ø50										Ø50							
Machine length	cm	340	570	610	640	790	340	570	610	640	790	620	690	790	890	620	690	790	890
Machine width	cm	220					220					280							
Machine height	cm	230					235 / 240					270				300			
Weight	kg	6200	7000	8000	9500	11000	6500	7500	8500	10000	11000	14000	15000	17000	19000	14500	15500	17500	19500

Standard accessory

- Hollow 3-jaw hydraulic cylinder and chuck
- RS-232 interface
- Heat exchanger for electric cabinet
- Hydraulic power supply unit
- Coolant system (4-bar)
- Central lubrication unit
- Three-color warning light
- Chip conveyor and chip cart
- Standard soft jaw and hard jaw
- Tool kit
- Operation manual

Optional accessory

- Radial rotary tool holder
- Axial rotary tool holder
- Auto door
- Oil-coolant skimmer
- Oil mist collector
- Transformer
- CE certification



CNC SWISS TYPE LATHE

SS-20A / 20AS / 20AB / 20AST

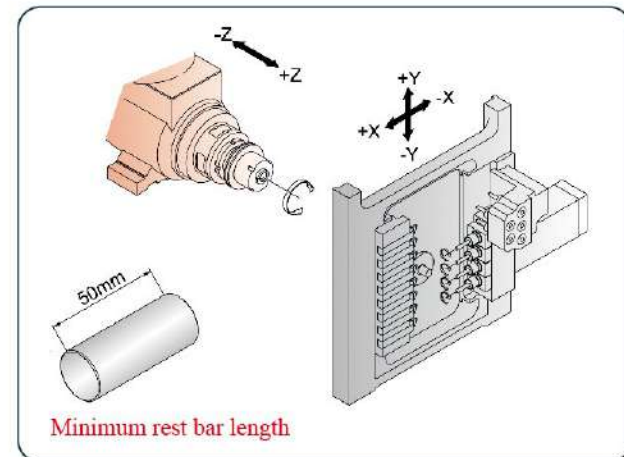


Standard accessory

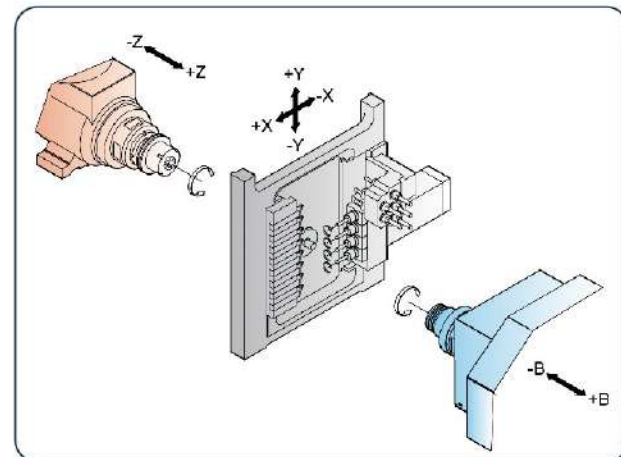
- Guide bush
- Non guide bushing holder
- Spindle collet
- Cutting coolant inspection
- Cut-off inspection
- Central lubrication unit
- Parts catcher
- Leveling pads
- Cutting coolant
- Lighting device
- Tool and tool box
- Operation manual
- Stationary tool holder (\$2) x 2 (for SS-20AB)
- Rotary tool holder (\$2) x 2 (for SS-20AB)

Optional accessory

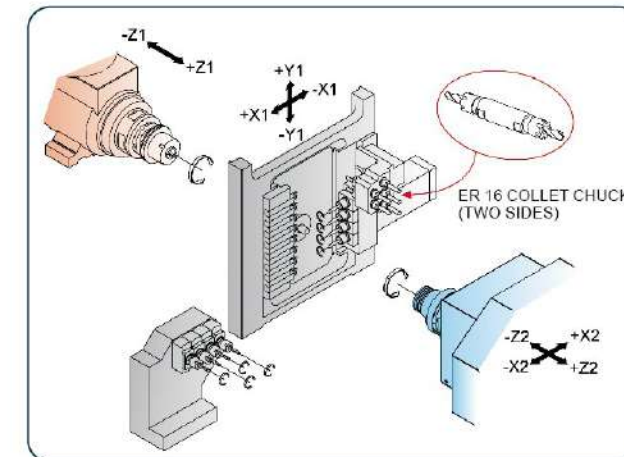
- Fixed guide bushing holder
- Simultaneously rotary guide bushing holder
- Chip conveyor
- Parts conveyor
- Long parts catcher
- 3 position eccentric rotary tool holder
- ER16 collet chuck (double side)
(for SS-20AS/20AB/20AST)
- ER16 collet set
- Voltage stabilizer
- Transformer
- Hydraulic bar feeder
- CE certification



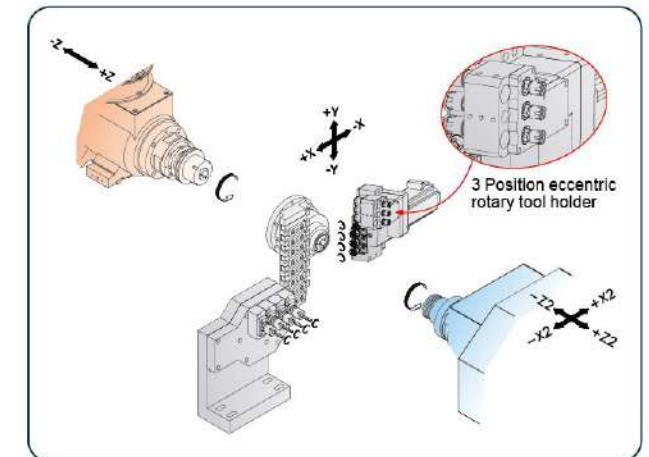
SS-20A



SS-20AS



SS-20AB



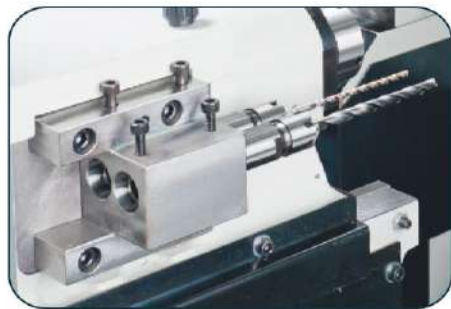
SS-20AB (With 3 position eccentric rotary tool holder)

Model	Unit	SS-20A	SS-20AS	SS-20AB	SS-20AST
Max. turning dia. of main spindle	mm	20			20
Max. turning dia. of sub-spindle	mm	-	20		20
Max. turning length (fixed guide bush)	mm	200			200
Max. turning length (rotary guide bush)	mm	85			85
Max. turning length (non guide bush)	mm	45			45
Max. drilling capacity of main spindle	mm	12			12
Max. drilling capacity of sub-spindle	mm	-	10		10
Max. tapping capacity of main spindle		M8			M8
Max. tapping capacity of sub-spindle		-	M8		M8
Max. cross drilling capacity	mm	10			10
Max. cross tapping capacity		M6			M6
No. of external turning tools	pcs	8			8
No. of internal turning tools	pcs	5			5
No. of cross drillings	pcs	4 (optional: 7)		4 (optional: 7)	
No. of face tool holder of sub-spindle	pcs	-	-		4
Size of tool	mm	12 x 12 x 90		12 x 12 x 90	
No. of axis controls		4 (X/Y/Z/C)	5 (X/Y/Z/C/B)	7 (X1/Y1/Z1/X2/Z2/C1/C2)	6 (X1/Y1/Z1/X2/Z2/C1)
Bore of spindle	mm	29			29
Spindle speed range	rpm	15~8000		15~8000	
Rapid traverse X/Z	m/min	24			24
Main spindle motor	kw	3.7			3.7
Sub-spindle motor	kw	-	2.2		2.2
X1/Z1 motor	kw	0.5 / 0.75		0.5 / 0.75	
Y-axis motor	kw	0.75		0.75	
Cross drilling motor	kw	0.5	0.5	0.75	0.75
Face drilling motor	kw	-	-	0.75	-
X2/Z2 motor	kw	-	-0.5		0.5 / 0.5
Coolant motor	kw	0.375		0.375	
Power requirement	kva	10	15	15	15
Machine dimensions	mm	1950x970x1750	1950x1190x2025	2540x1340x2150	2540x1340x2150
Weight	kg	1800	2140	2400	2400

CNC SWISS TYPE LATHE

SS-20RB / RBY

The cutting edge of parts turning and milling main and sub-spindle combined with multiple tooling systems for maximum flexibility of machining



- **SS-20RB/20RBY**
Deep Hole Drilling Device
- The sub-spindle side is available to equip with deep hole drilling device with coolant through drill.



- **SS-20RBY**
Main Spindle and Tooling System
- OD tool holder : 6 tools
 - ID tool holder : 4 tools
 - Cross live tool holder : 5 tools



- **SS-20RBY**
Sub-spindle Tooling System
- The sub-spindle tooling system allows the machine to perform back side machining on a part.



- **SS-20RB/20RBY**
Non-guide Bushing Holder
- For use on the conserving tool lathe to reduce end bar for saving material and cost.



- **SS-20RB/20RBY**
Fanuc 32iB CNC Control
- Control panel can be moved and swiveled for upgrading convenience of operation.



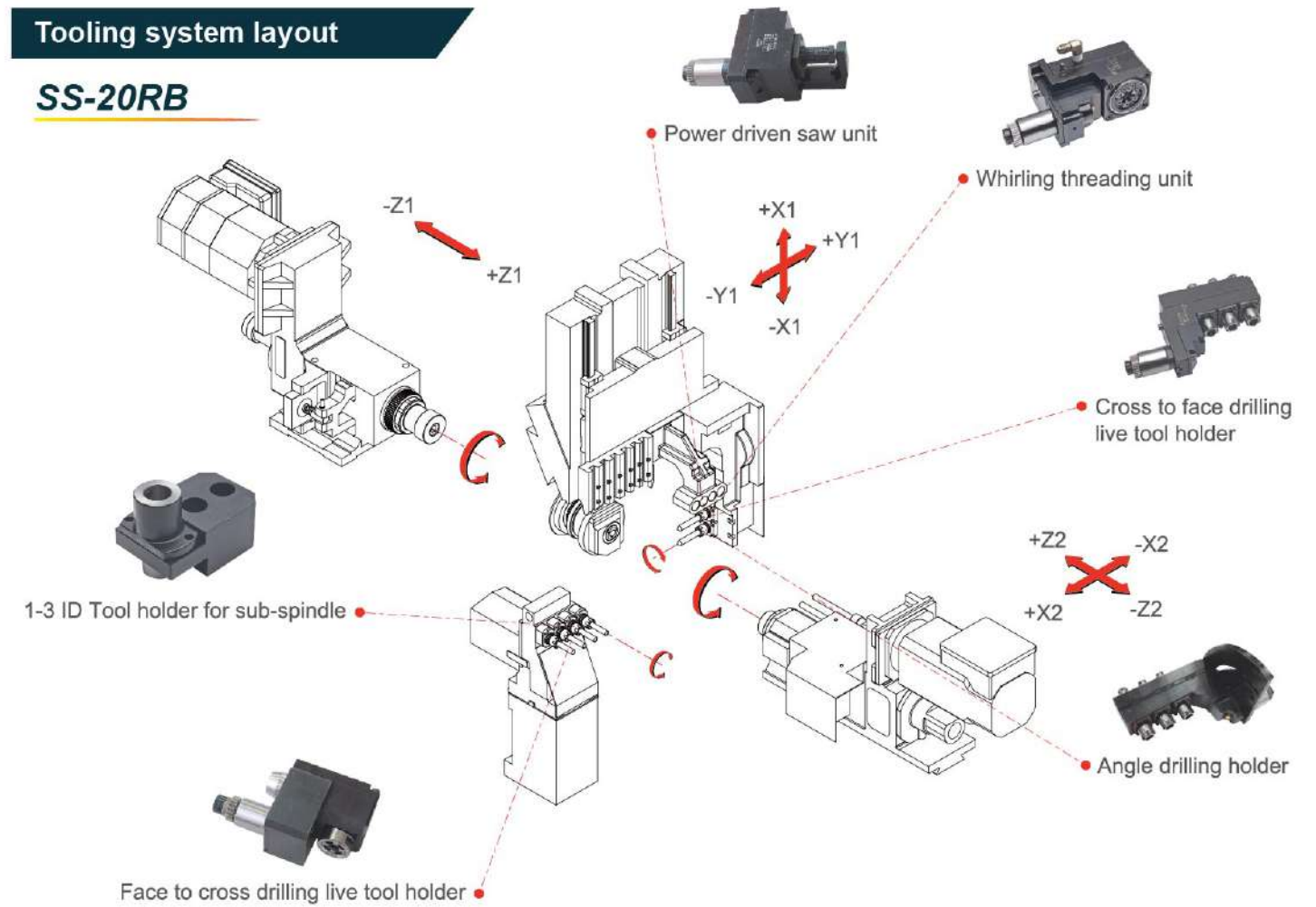
- **SS-20RB**
Sub-spindle Tooling System
- The sub-spindle tooling system allows the machine to perform back side machining on a part.



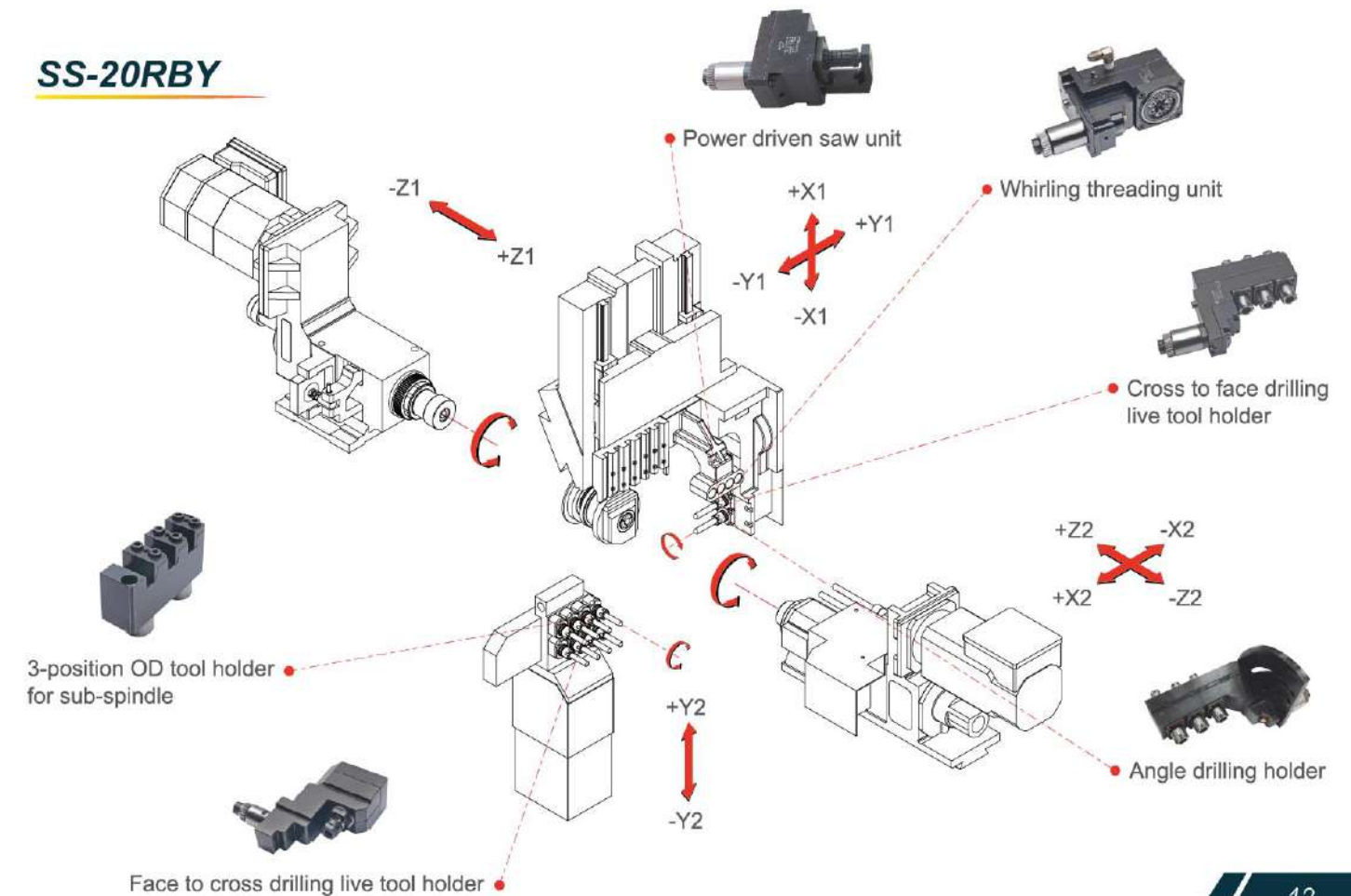
- **SS-20RB/20RBY**
Rotary Guide Bushing Holder
- For use on the sliding head lathe to increase stability and surface finish in long part machining.

Tooling system layout

SS-20RB



SS-20RBY

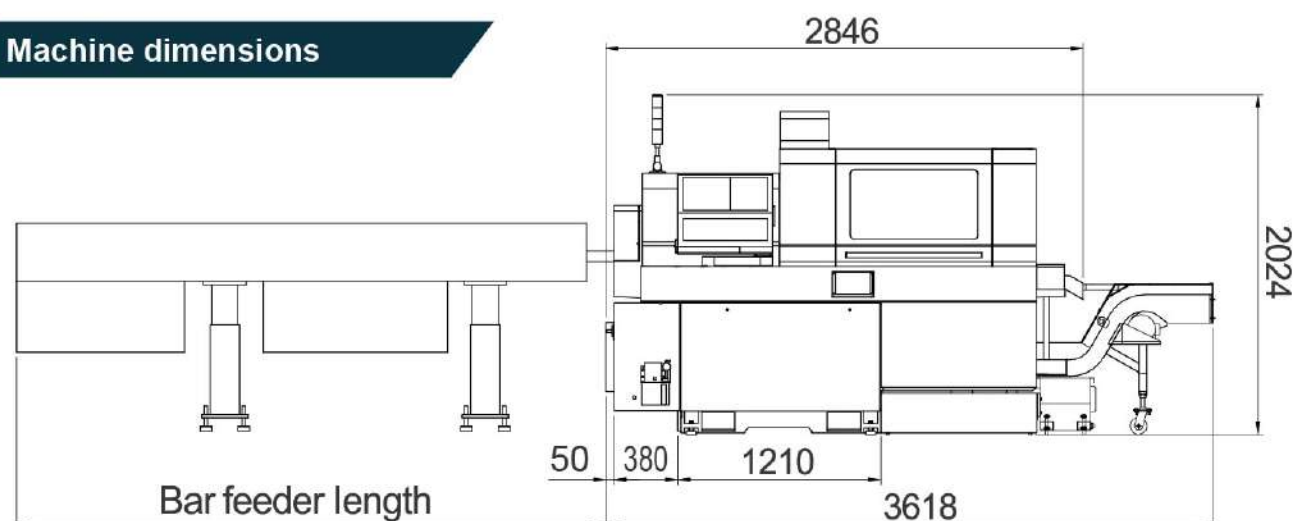


CNC SWISS TYPE LATHE

SS-20RB / RBY

Model	Unit	SS-20RB		SS-20RBY	
Max. turning dia. of main spindle	mm	20			
Max. turning dia. of sub-spindle	mm	20			
Max. turning length (rotary guide bush)	mm	250	190	250	190
Max. turning length (non guide bush)	mm	-	50	-	50
Max. turning length (fixed guide bush)	mm	280	220	280	220
Max. drilling / tapping capacity of main spindle	mm	Ø10 / M8			
Max. drilling / tapping capacity of sub-spindle	mm	Ø8 / M8			
Max. cross drilling / tapping capacity	mm	Ø8 / M6			
OD tool holder	pcs	6 / □12mm			
ID tool holder	pcs	4 / Ø22mm			
Main spindle cross live tool holder	pcs	5 / ER-16			
Sub-spindle face live tool holder	pcs	4		8	
No. of axis controls	pcs	7		8	
Main / sub-spindle bore	mm	Ø26.6			
Main / sub-spindle max. speed	rpm	10000 / 8000			
X1/Z1/Y1/X2/Z2/Y2 rapid traverse	m/min	24			
Main spindle cross drilling max. speed	rpm	8000			
Main spindle cross driven motor	kw	1.2			
Sub-spindle face driven motor	kw	0.5		0.75	
Sub-spindle face drilling max. speed	kw	8000			
Main spindle motor	kw	2.2 / 3.7			
Sub-spindle motor	kw	2.2 / 3.7			
X1/Z1/Y1 motor	kw	0.75			
X2/Z2 motor	kw	0.5			
Y2 motor	kw	-		0.5	
Coolant pump motor	kw	0.54			
Power requirement	kva	20			
Lubrication capacity	L	2			
Coolant tank capacity	L	220 (100%)			
Machine dimensions (LxWxH)	mm	2846 x 1334 x 2024			
Weight	kg	2670		2700	

Machine dimensions



Standard accessory

	20RB	20RBY
• External tool holder (6 tools)	○	○
• Inner tool holder (4 tools)	○	○
• Cross drilling tool holder (5 tools)	○	○
• Parts catcher and conveyor	○	○
• Tools and tool box	○	○
• Lighting device	○	○
• Non guide bushing holder or fixed guide bushing holder	○	○
• Spindle servo motor	○	○
• Main spindle C-axis	○	○
• Cutting coolant	○	○
• Cutting coolant inspection (electronic type)	○	○
• Cut-off inspection	○	○
• Central lubrication unit	○	○
• Sub-spindle C-axis	○	○
• Sub-spindle	○	○
• Sub-spindle tool holder for 4 position eccentric and drilling	○	-
• Sub-spindle tool holder for 8 position eccentric and drilling	-	○
• Y2-axis	-	○
• Fixed tool holder (sub-spindle)	2pcs	3pcs
• Rotary tool holder (sub-spindle)	2pcs	3pcs
• 3 position OD tool holder □10 (sub-spindle)	-	1pcs
• Chuck gripper	2pcs	2pcs
• Machining room with safety lock	○	○
• Guide bush	1pcs	1pcs
• Spindle collet chuck	2pcs	2pcs
• Operation manual	○	○
• NC operation manual	○	○
• NC maintenance manual	○	○

Optional accessory

• Stationary tool holder (sub-spindle) ER-16	
• Rotary tool holder (sub-spindle) ER-16	
• Whirling threading unit (without inserts and insert holder)	
• Power driven saw unit (main spindle)	
• Power driven saw unit (sub-spindle)	
• 3 position face live tool holder for main and sub-spindle	
• 3 position angle drilling tool holder (manual adjusting)	
• 1 position cross live tool (sub-spindle)	
• 1 position OD tool holder (sub-spindle)	
• Ø16 ID tool holder shortened type (sub-spindle)	
• Ø16 ID tool holder (sub-spindle)	
• Extended ID tool holder Ø16	
• Extended ID tool holder Ø16 (with one Ø16 ID tool holder)	
• ER 16 M2 double sided inner tool holder	
• ER 16 collet set	
• Long parts catcher (sub-spindle)	
• Chip conveyor and cart	
• Cutting oil cooler	
• Collet spring	
• Chuck gripper	
• H.P. coolant system 15/50/100 bar (with sub coolant tank)	
• Oil mist collector	
• Voltage stabilizer	
• Transformer	
• Hydraulic bar feeder	
• CE certification	

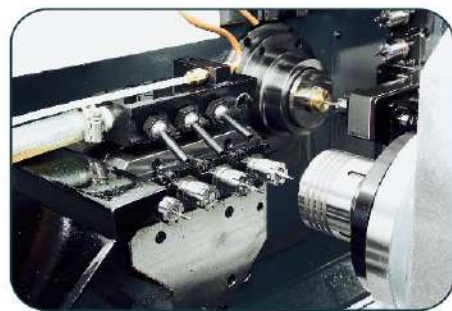


CNC SWISS TYPE LATHE

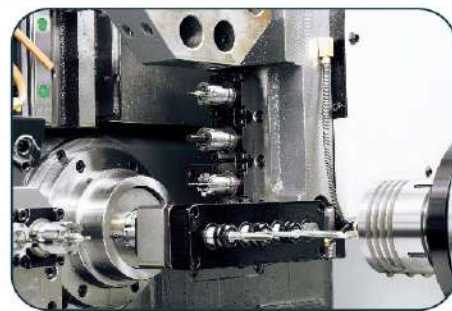
SS-32A / 32S / 32AS / 32AB / 42AB



➤ Control panel can be moved and swiveled for upgrading convenience of operation.



➤ **SS-32AB/SS-42AB**
The main spindle and sub-spindle perform machining synchronously.



➤ **SS-32AB/SS-42AB**
Main spindle and sub-spindle perform machining synchronously.

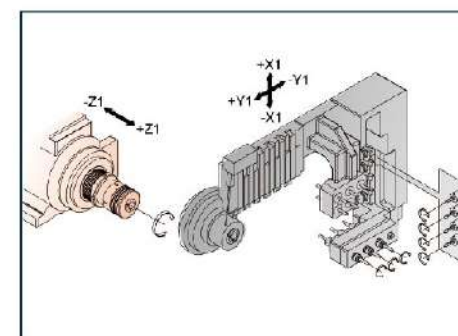
Standard accessory

- Spindle servo motor
- External tool holder (6 tool)
- Internal tool holder (5 tool)
- Cross drilling tool holder (4 tool)
- Parts catcher
- Tool and tool box
- Lighting device
- Cutting coolant
- Cutting coolant inspection
- Cut-off inspection
- Central lubrication unit
- Operation manual
- Spindle collet
- Guide bush
- Main spindle hydraulic system

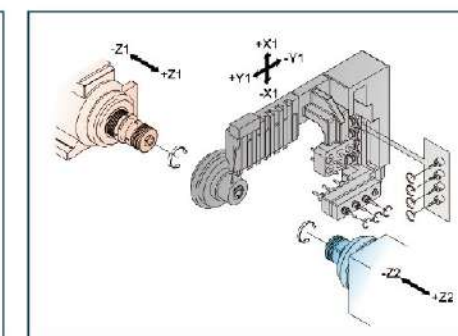
Optional accessory

- Non guide bushing holder
- Simultaneously rotary guide bushing holder
- 3 position eccentric rotary tool holder
- Chip conveyor
- Parts conveyor
- Long parts catcher
- ER16 collet chuck (double side) (for SS-32S/32AS/32AB/42AB)
- ER16 collet set
- ER20 collet set
- Cutting oil cooler
- Voltage stabilizer
- Transformer
- Hydraulic bar feeder
- CE certification

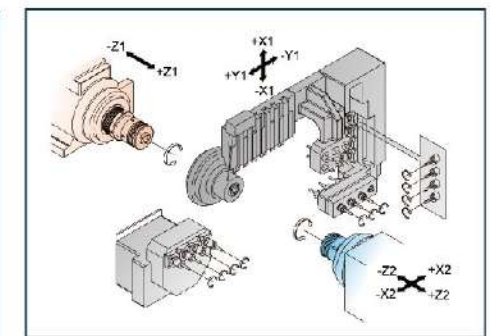
Model	Unit	SS-32A	SS-32S	SS-32AS	SS-32AB	SS-42AB
Max. turning dia. of main spindle	mm	32	32	32	32	42
Max. turning dia. of sub-spindle	mm	-	32	32	32	42
Max. turning length (fixed guide bush)	mm	220				
Max. turning length (rotary guide bush)	mm	200				
Max. turning length (non guide bush)	mm	80	80	80	80	80
Max. drilling capacity of main spindle	mm	13				
Max. drilling capacity of sub-spindle	mm	-	13	13	13	13
Max. tapping capacity of main spindle		M10				
Max. tapping capacity of sub-spindle		-	M10	M10	M10	M10
Max. cross drilling capacity	mm	10	-	10	10	10
Max. cross tapping capacity		M8	-	M8	M8	M8
No. of external turning tools	pcs	6 / 5 (type 42)				
No. of internal turning tools	pcs	5				
No. of cross drillings	pcs	4 + (1)				
No. of face tool holder of sub-spindle	pcs	-	-	-	4	4
Size of tool	mm	16 x 16 x 95~155 / 20 x 20 x 95~155 (type 42)				
No. of axis controls		4	4	5	7	7
Bore of spindle	mm	45	45	45	45	55
Spindle speed range	rpm	200 ~ 7000 / 200 ~ 6000 (type 42)				
Rapid traverse X / Z	m/min	24				
Main spindle motor	kw	7.5				
Sub-spindle motor	kw	-	7.5	7.5	7.5	7.5
X1 / Z1 motor	kw	1.4				
Y-axis motor	kw	0.75				
Cross drilling motor	kw	1.4	-	1.4	1.4	1.4
Face drilling motor	kw	-	-	-	0.75	0.75
X2 / Z2 motor	kw	-	-/0.75	-/0.75	0.75/0.75	0.75/0.75
Coolant pump motor	kw	2.3				
Machine dimensions	mm	2360x1725x2095		2865x1625x2045		
Weight	kg	2500	2650	2700	3100	3100



➤ **SS-32A**



➤ **SS-32AS/42AS**



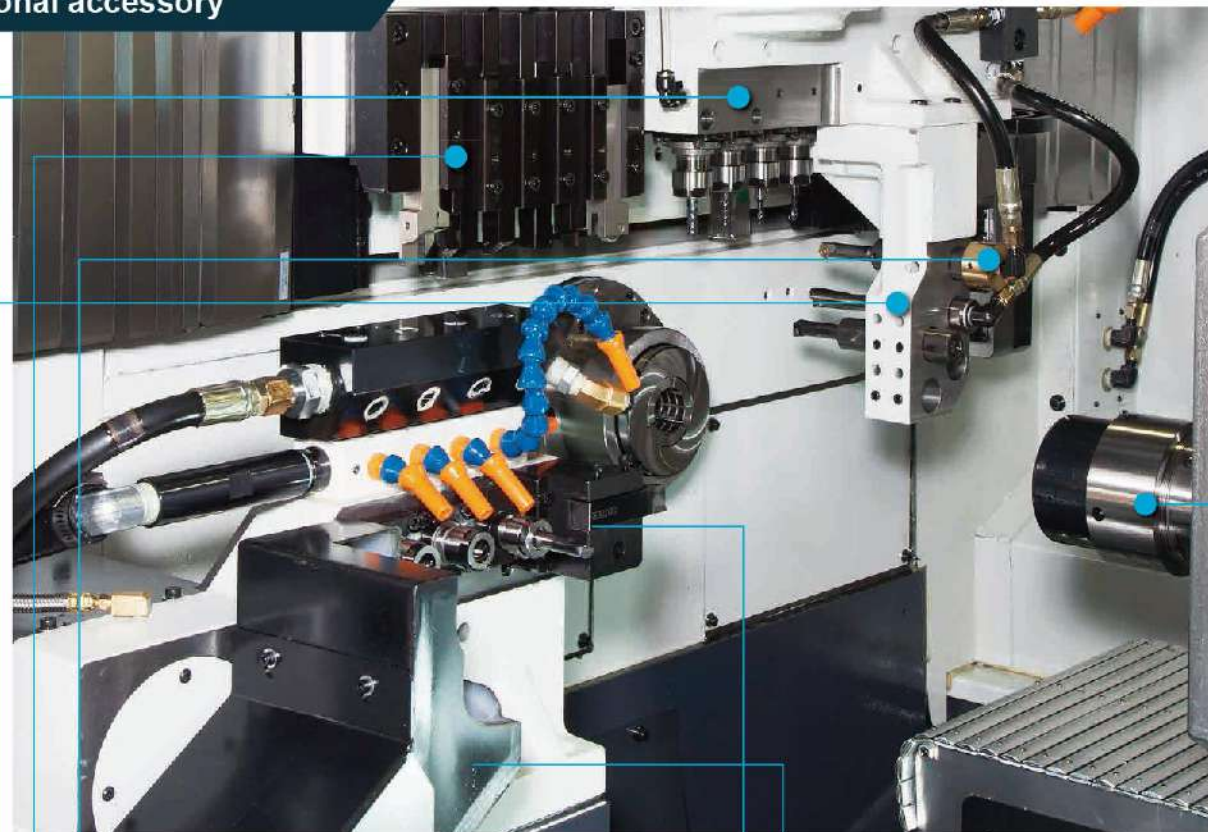
➤ **SS-32AB/42AB**

CNC SWISS TYPE LATHE

SS-32RB / 32RBY / 42RB / 42RBY



Optional accessory



First tooling system

- 6-position O.D. tool holder
- 6-position cross drilling & milling tool holder
- 5-position I.D. tool holder
- High pressure coolant system

Second tooling system

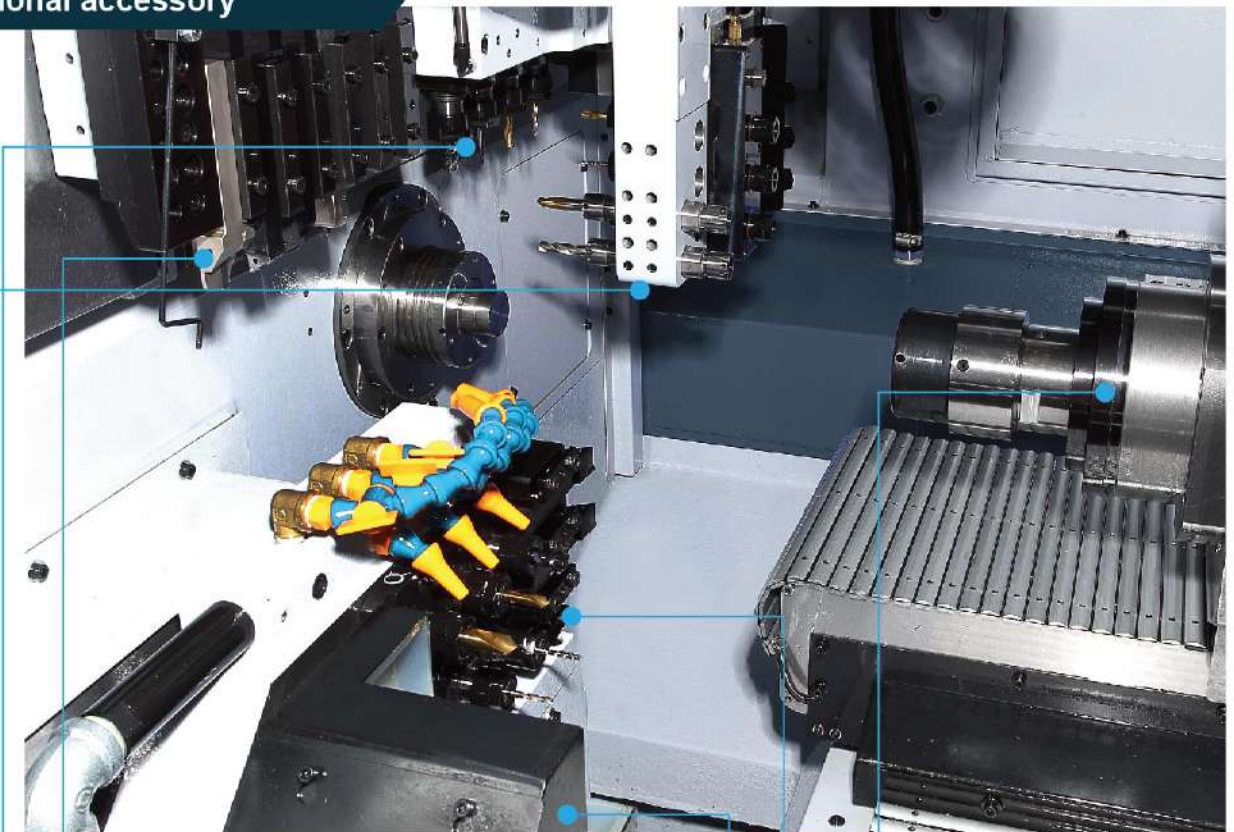
- Parts catcher
- Sub-spindle tooling system
- Sub-spindle

CNC SWISS TYPE LATHE

SS-51RBY



Optional accessory



System 1

- 5-position O.D. tool holder
- 6-position cross drilling tool holder
- 5-position I.D. tool holder

System 2

- Sub-spindle
- Sub-spindle tooling system
- Parts catcher

CNC SWISS TYPE LATHE

SS-32RB/42RB



Sub-spindle tooling system

- The sub-spindle tooling system allows the machine to perform backside machining on a part.

SS-32RBY/42RBY



Sub-spindle tooling system - Y axis

- The sub-spindle tooling system allows the machine to perform backside machining on a workpiece.

SS-32RB/32RBY/42RB/42RBY



Cross/Face drilling function

- The side drilling unit can be converted to 3-position face drilling for main and sub spindle.
- Angle adjustment (manually)

SS-32RB/32RBY/42RB/42RBY



Fanuc 32i CNC control

- The control panel can be moved and swiveled for upgrading operating convenience.



Deep hole drilling device (Max. 135mm)

- The sub-spindle can be equipped with a deep hole drilling device with coolant through drill.



Rotary guide bushing holder

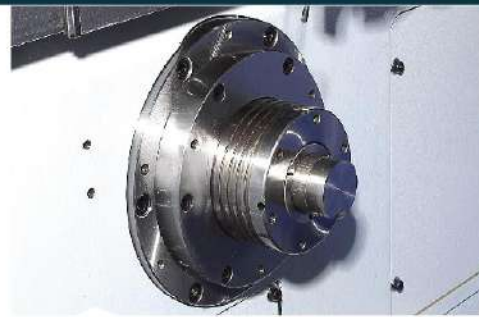
- For use in sliding head lathe to increase stability and surface finish for long part machining.

SS-51RBY



Simultaneously Rotary Guide Bushing Holder (4000PRM)

- Apply to sliding head more, increase the stability and the quality for long parts.

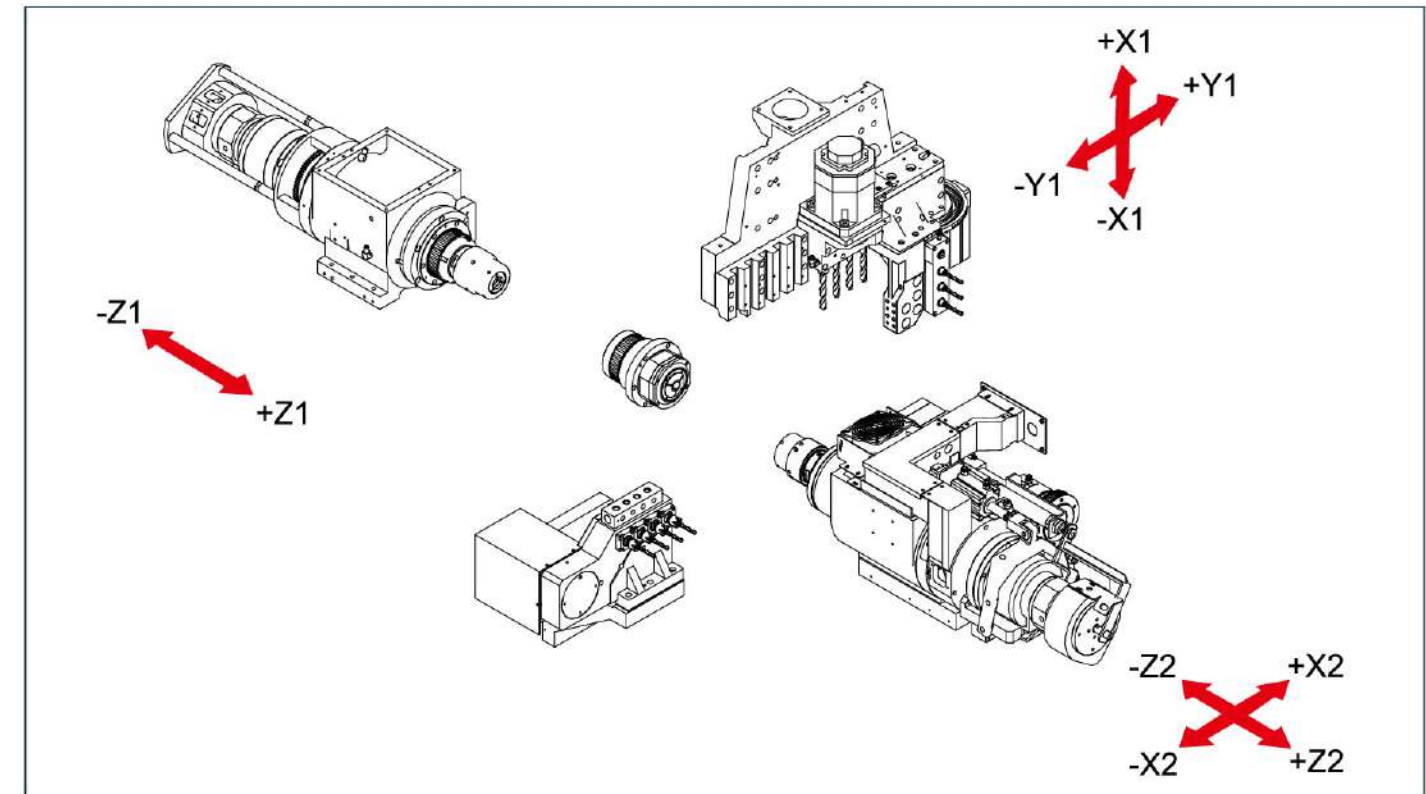


Non Guide Bushing Holder

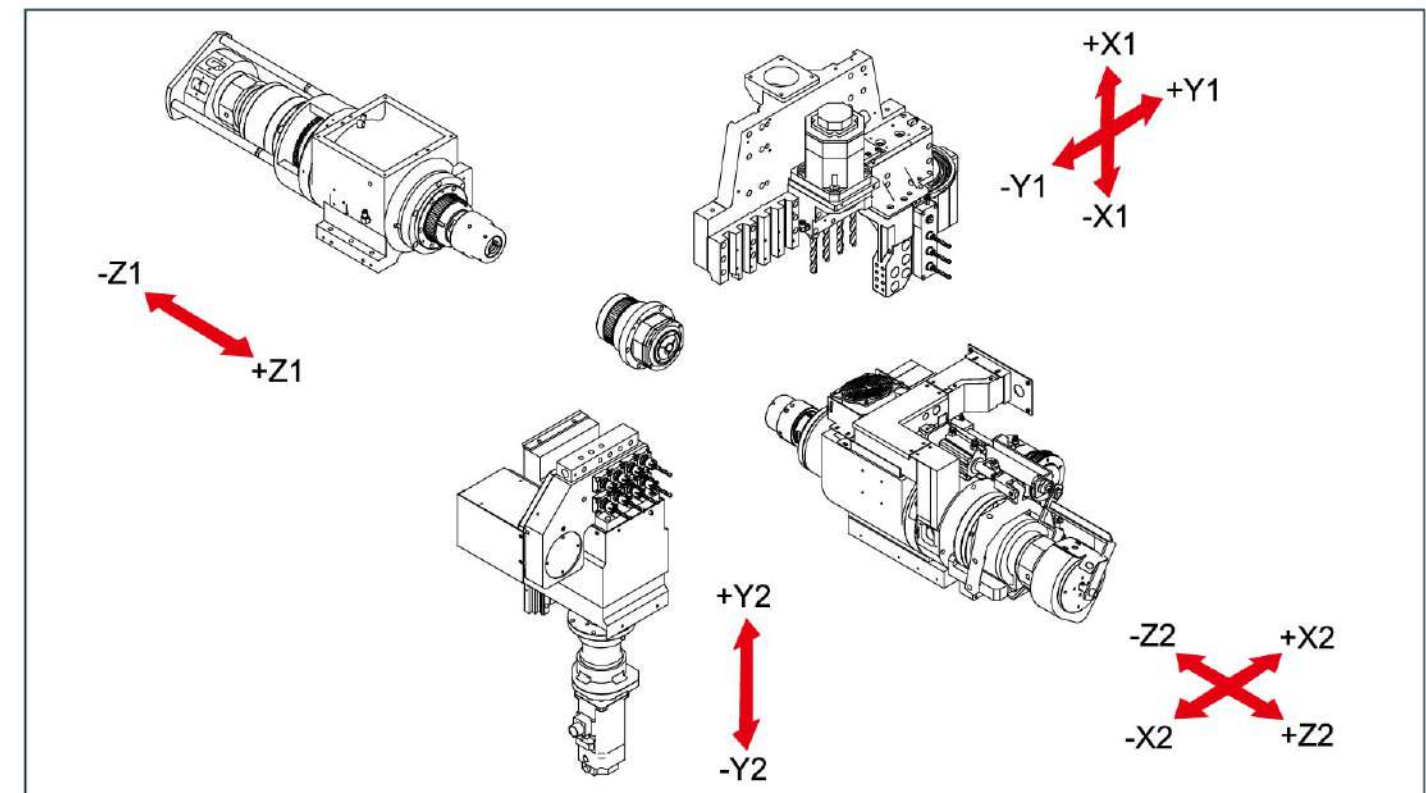
- For use in short parts and reduce rest bar.

Tooling system layout

SS-32RB/42RB



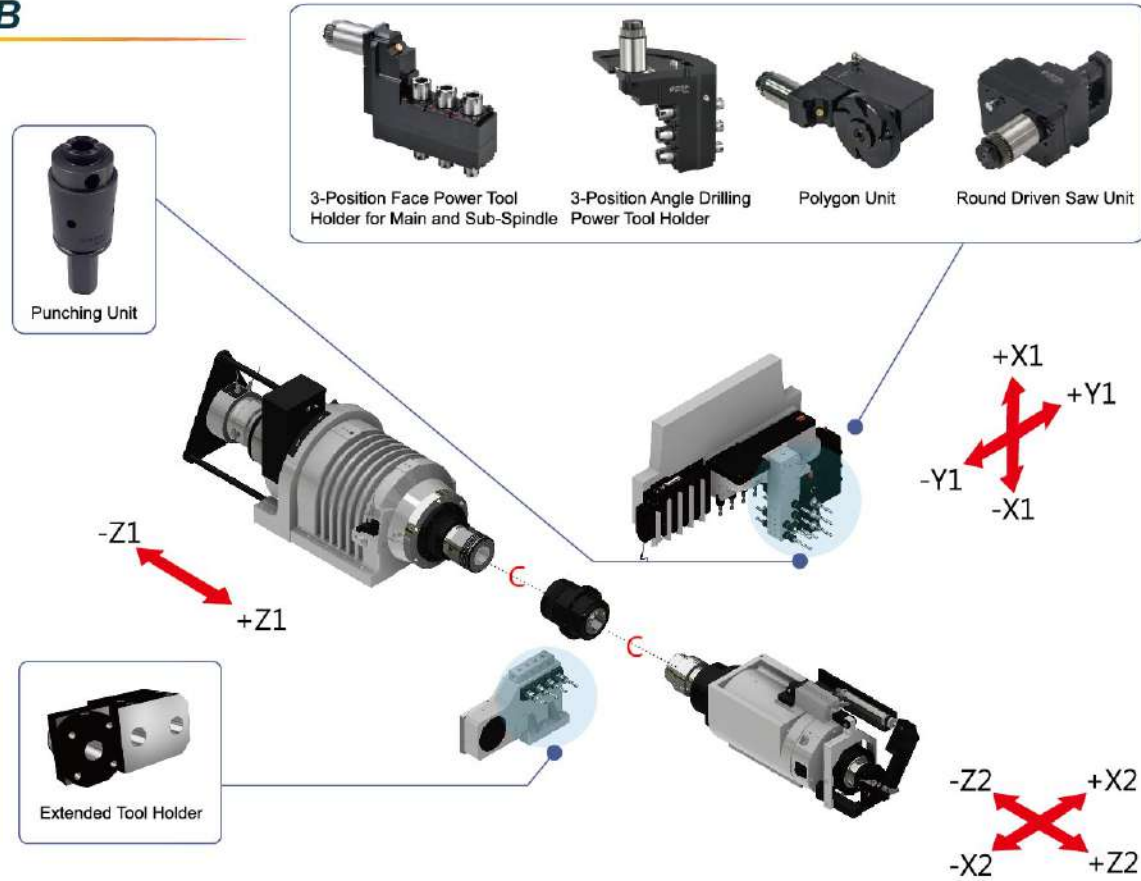
SS-32RBY/42RBY



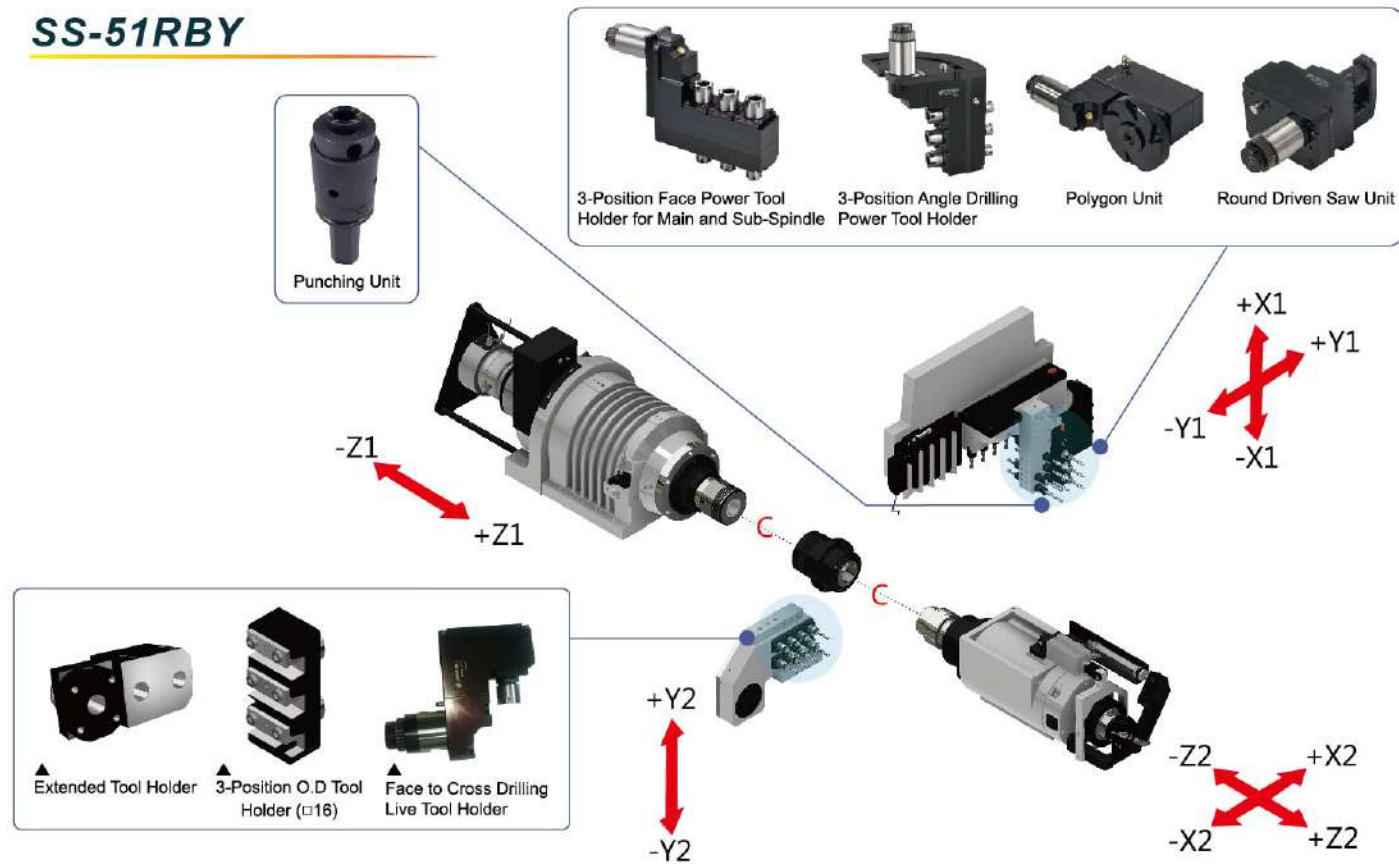
CNC SWISS TYPE LATHE

Tooling system layout

SS-51RB

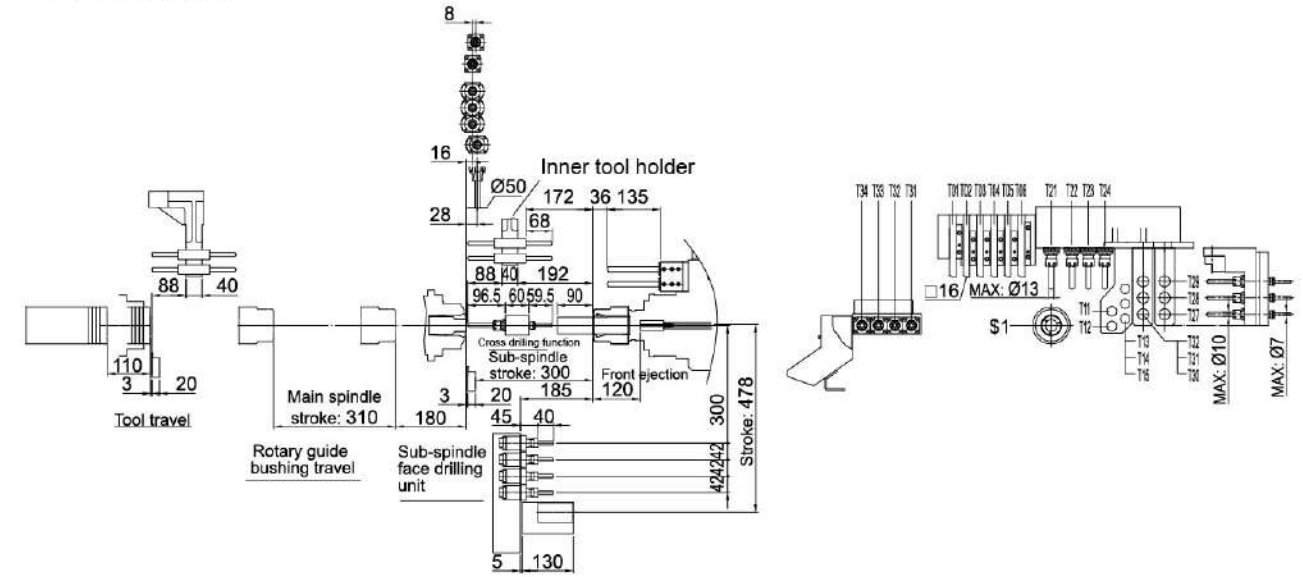


SS-51RBY

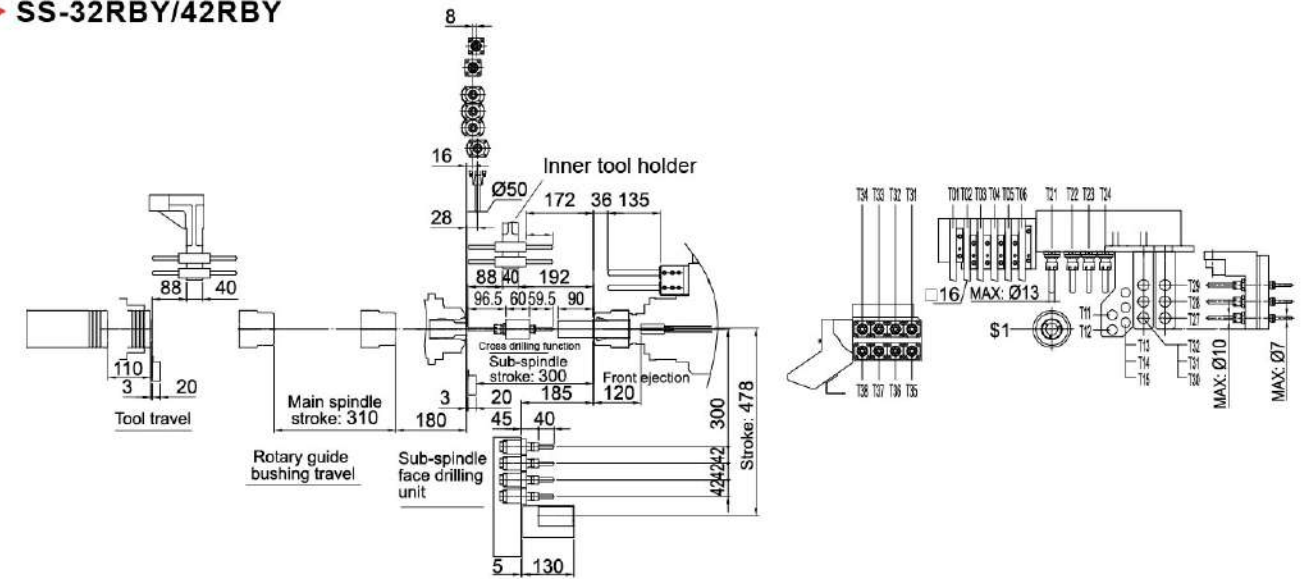


Tooling system layout

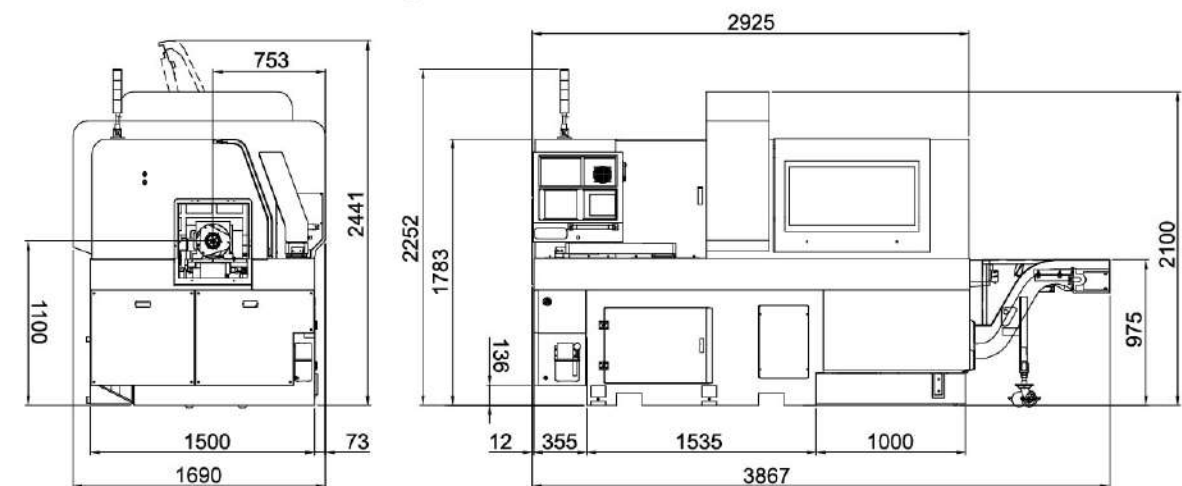
SS-32RB/42RB



SS-32RBY/42RBY



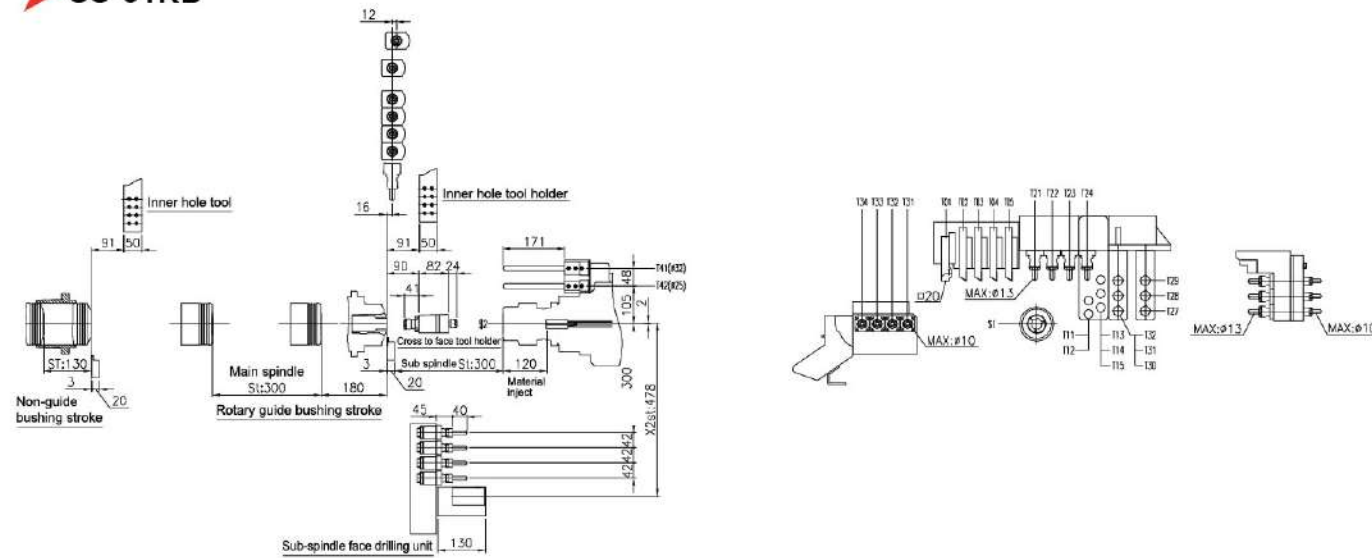
Dimensional machine drawing



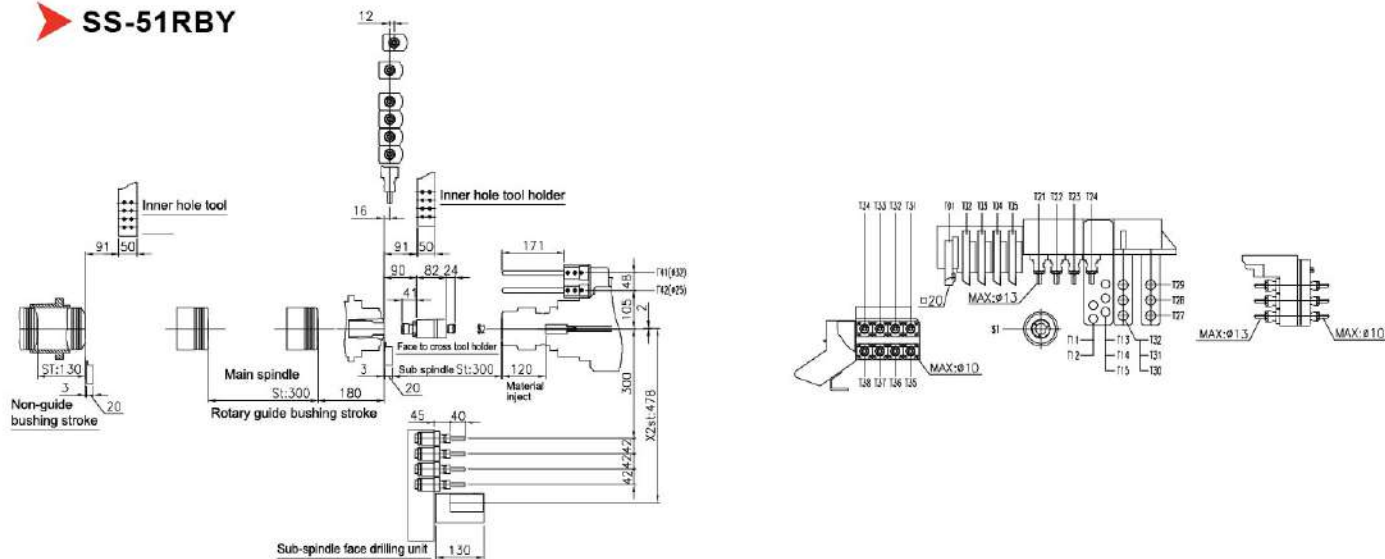
CNC SWISS TYPE LATHE

Tooling system layout

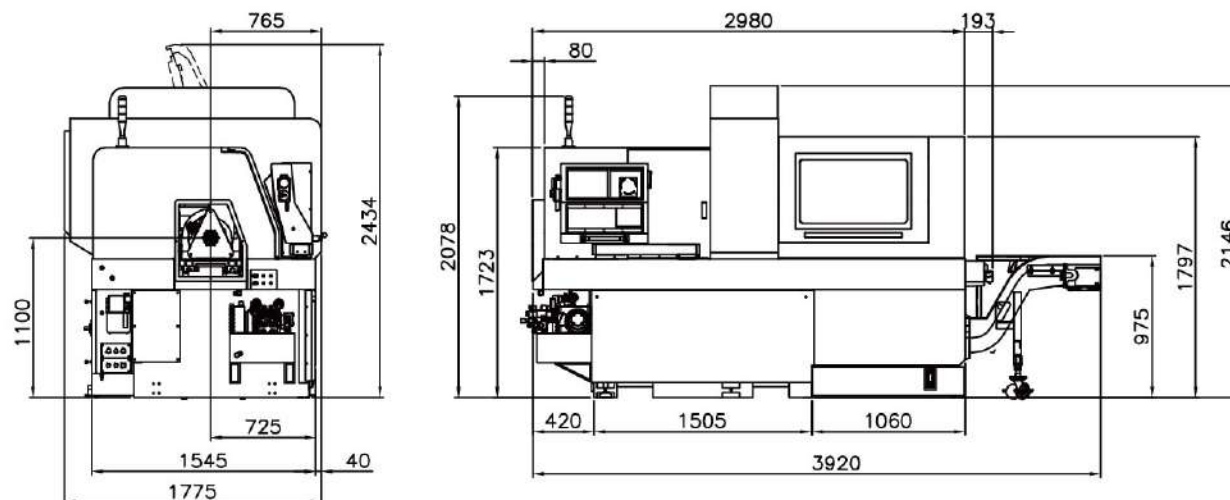
SS-51RB



SS-51RBY



Dimensional machine drawing



SS-32RB / 32RBY / 42RB / 42RBY / 51RB / 51RBY

Model	Unit	SS-32RB	SS-32RBY	SS-42RB	SS-42RBY	SS-51RB	SS-51RBY
Max. turning diameter of main spindle	mm	32		42		51	
Max. turning diameter of sub-spindle	mm	32		42		51	
Max. turning length (rotary guide bush)	mm		310			300	
Max. turning length (non-guide bush)	mm		105			130	
Max. turning length (fixed guide bush)	mm		350			non	
Max. drilling / tapping capacity of main spindle	mm		ø25 / M12			ø26 / M16	
Max. drilling / tapping capacity of sub-spindle	mm		ø20 / M10			ø20 / M12	
Max. cross drilling / tapping capacity	mm		ø12 / M8			ø12 / M10	
No. of external turning tools	pcs		6 (□16)mm / 5 (□20mm)			5 (□20mm)	
No. of internal turning tools	pcs		5 / ø25mm			5 / ø25mm	
No. of cross drillings of main spindle	pcs		6 (ER-20)			6 (ER-20)	
No. of face tool holder of sub-spindle	pcs	4	8	4	8	4	8
No. of axis controls	pcs	7	8	7	8	7	8
Main / sub-spindle bore	mm	ø34		ø44		ø52	
Max. speed of main / sub-spindle	rpm	7000		6000		4500	
X1/Z1/Y1/X2/Z2/Y2-axis rapid traverse	m/min		24			24	
Max. speed of main spindle cross drilling	rpm		4000			4000	
Main spindle cross tooling drive motor	kw		1.5			2.5	
Sub-spindle face tooling drive motor	kw		1.5			2.5	
Max. speed of sub-spindle face drill	rpm		4000			4000	
Main spindle motor	kw		5.5/7.5			11/15	
Sub-spindle motor	kw		5.5/7.5			7.5/11	
X1/Z1-axis motor	kw		1.4			2.5	
Y1/X2/Z2 motor	kw		1.0			2.5	
Y2-axis motor	kw	-	1.0	-	1.0	-	2.5
Coolant pump motor	kw		0.54			0.54	
Power requirement	kva		30			30	
Lubrication capacity	L		2			2	
Coolant tank capacity	L		250(100%)			250(100%)	
Machine dimensions (LxWxH)	mm		3115 x 1735 x 2146			3173 x 1695 x 2146	
Weight	kg	4900	4920	4900	4920	5450	5480

* Machine specifications are subject to change without prior notice.



CNC SWISS TYPE LATHE

Standard accessories	SS-32RB	SS-32RBY	SS-42RB	SS-42RBY	SS-51RB	SS-51RBY
External tool holder (6 tools)	○	○	○	○	○ (5 tools)	○ (5 tools)
Internal tool holder (5 tools)	○	○	○	○	○	○
Cross drilling tool holder (6 tools)	○	○	○	○	○	○
Parts catcher and conveyor	○	○	○	○	○	○
Tools and tool box	○	○	○	○	○	○
Lighting device	○	○	○	○	○	○
Fixed guide bushing holder	○	○	○	○	○	○
Main spindle servo motor	○	○	○	○	○	○
Main spindle C axis	○	○	○	○	○	○
Coolant device	○	○	○	○	○	○
Cutting coolant inspection (electronic type)	○	○	○	○	○	○
Cut-off inspection	○	○	○	○	○	○
Central lubrication unit	○	○	○	○	○	○
Sub-spindle C axis	○	○	○	○	○	○
Sub-spindle	○	○	○	○	○	○
Face drilling / milling tool holder (4 tools) for sub-spindle	○	-	○	-	○	-
Face drilling / milling tool holder (8 tools) for sub-spindle	-	○	-	○	-	○
Y2 axis	-	○	-	○	-	○
Fixed tool holder (sub-spindle)	2pcs	3pcs	2pcs	3pcs	2pcs	3pcs
Rotary tool holder (sub-spindle)	2pcs	3pcs	2pcs	3pcs	2pcs	3pcs
3 position OD tool holder □10 (sub-spindle)	-	1pcs	-	1pcs	-	1pcs
Chuck gripper	2pcs	2pcs	2pcs	2pcs	2pcs	2pcs
Machining room with safety lock	○	○	○	○	○	○
Guide bush	1pcs	1pcs	1pcs	1pcs	1pcs	1pcs
Spindle collet	2pcs	2pcs	2pcs	2pcs	2pcs	2pcs
Operation manual	○	○	○	○	○	○
NC operation manual	○	○	○	○	○	○
NC maintenance manual	○	○	○	○	○	○
Main and sub-spindle oil cooling system	○	○	○	○	○	○

Optional accessories for 32RB/RBY & 42RB/RBY

- Non guide bushing holder
- Simultaneous rotary guide bushing holder
- Stationary tool holder (sub-spindle) ER-16
- Rotary tool holder (sub-spindle) ER-16
- Whirling threading unit (without inserts and insert holder)
- High pressure coolant system 15/50/100 bars (with sub coolant tank)
- Hydraulic chuck for sub-spindle
- Power driven saw unit
- 3 position eccentric tool holder (main and sub-spindle)
- 3 position angle drilling tool holder (manual adjusting)
- 1 position cross live tool (sub-spindle)
- 1 position OD tool holder (sub-spindle)
- Ø16 ID tool holder shortened type (sub-spindle)
- Ø16 ID tool holder (sub-spindle)
- Extended ID tool holder for sub-spindle Ø16, 1-2
- Extended ID tool holder Ø16 (with one Ø16, 1-2 ID tool holder)
- ER 16 M2 double side inner tool holder
- ER 16/20 collet set
- Chip conveyor and cart
- Long parts catcher
- Cutting oil cooler
- Oil mist collector
- Voltage stabilizer
- Transformer
- Hydraulic bar feeder
- CE certification

Optional accessories for 51RB/RBY

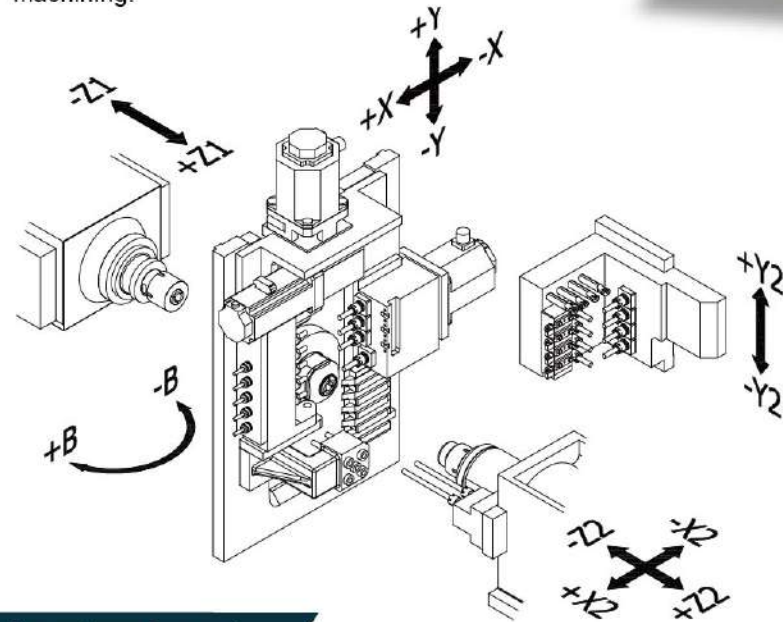
- ER16 M2 double side collet shank
- Simultaneously rotary guide bushing holder
- Long parts catcher (Sub-spindle)
- Chip conveyor & cart
- ER16 collet set
- ER20 collet set
- Cutting oil chiller
- Stationary drilling tool holder (Sub-spindle)
- Power drilling tool holder (Sub-spindle)
- Oil mist collector
- Power saw unit (Spindle cross drilling tool)
- Power saw unit (Sub-spindle face drilling tool)
- 3-position eccentric tool holder (Main & sub-spindle)
- 3-position angle drilling tool holder (Manual)
- 1-position O.D tool holder (Sub-spindle)
- Ø16 Shortened type I.D tool holder (Sub-spindle)
- Ø16 I.D tool holder (Sub-spindle)
- Sub-spindle extended I.D tool holder Ø16 1-2
- Extended tool holder Ø16 (With one Ø16 1-2 I.D tool holder)
- High pressure coolant system 15/50/100 bars (With sub-coolant tank)
- Hydraulic bar feeder

CNC SWISS TYPE LATHE

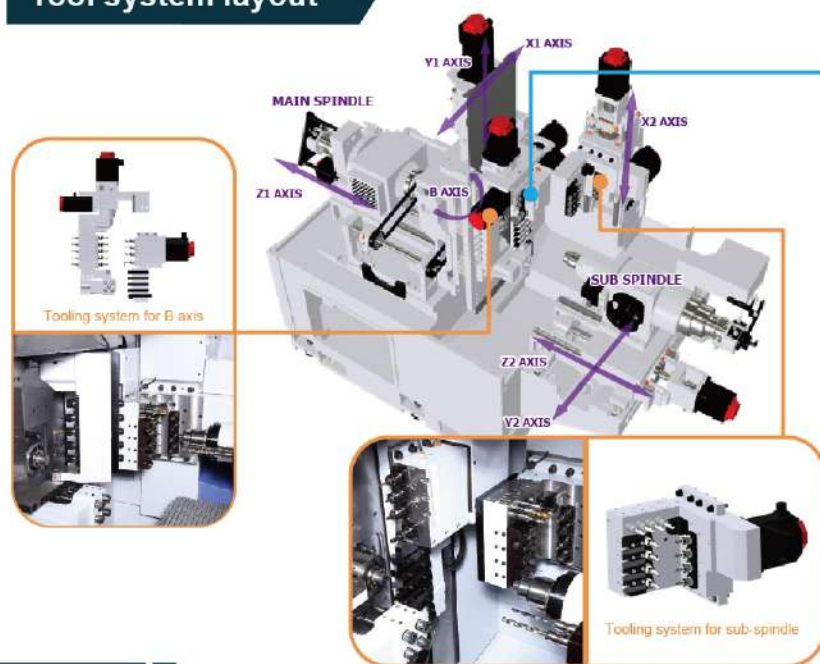
SS-26ABY / 32ABY

High rigidity and high accuracy Sliding head machine (Swiss type machine), with modularized tooling system. Complex working piece can be easier done by one machine and 20%~40% working time can be reduced.

- ▶ Both guide bush mode and non guide bush mode are available according to customer's need.
- ▶ Both spindles are build-in motors.
- ▶ Both spindles are built with hydraulic clamping system.
- ▶ Customer can choose the most suitable tooling system machine according to works. Max. 21 tool positions can be installed for main spindle and max. 16 tool positions can be installed for sub-spindle.
- ▶ B axis (min. 0.001 degree) can help both main and sub-spindle to do multi-angle/surface precision machining.



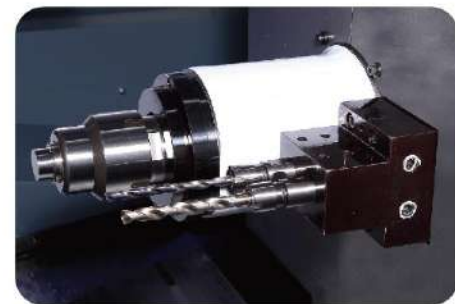
Tool system layout



- Cross face drilling live tool holder ER16(Ø1-Ø10)
- Whirling threading unit
- Polygon unit
- Power driven saw unit
- Driven gear hobber



Tooling system for sub-spindle



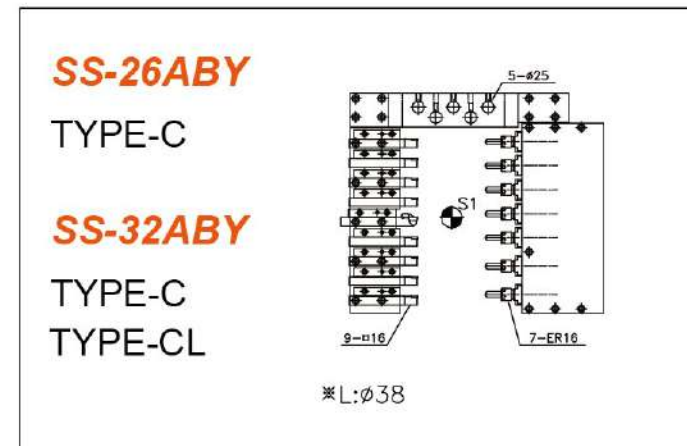
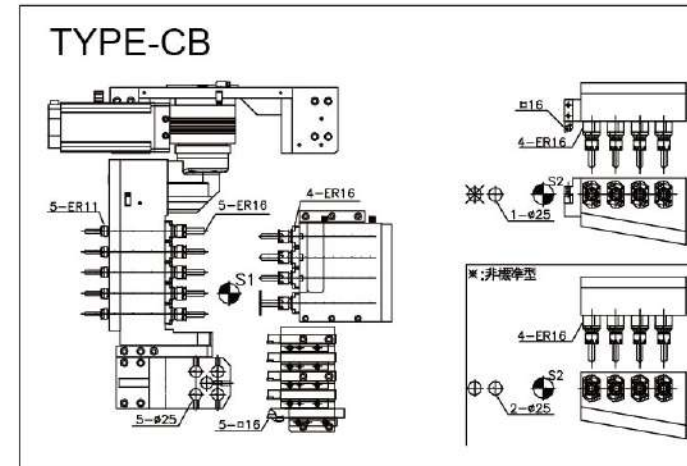
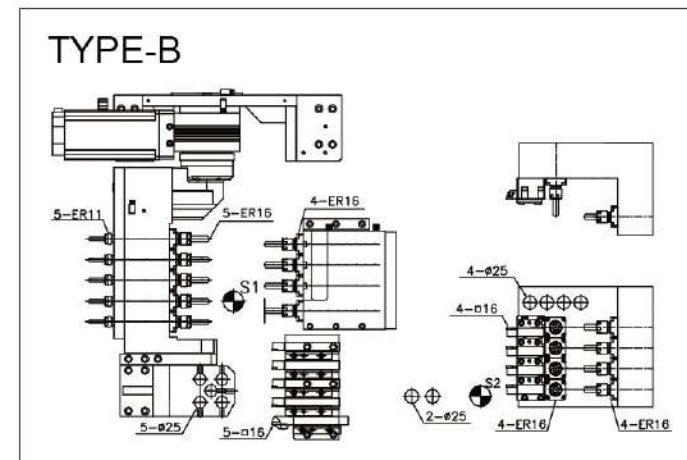
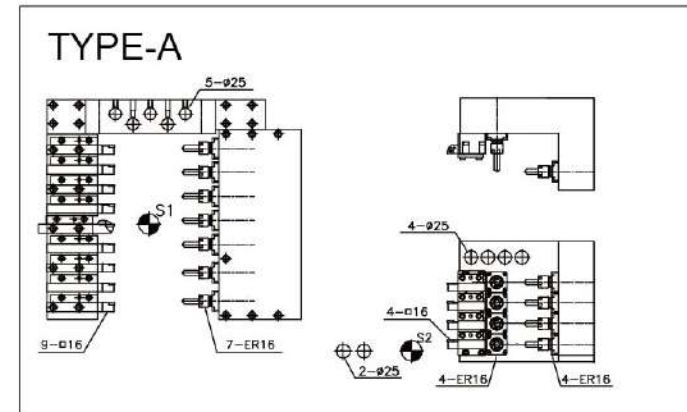
Depth drill side sub-spindle



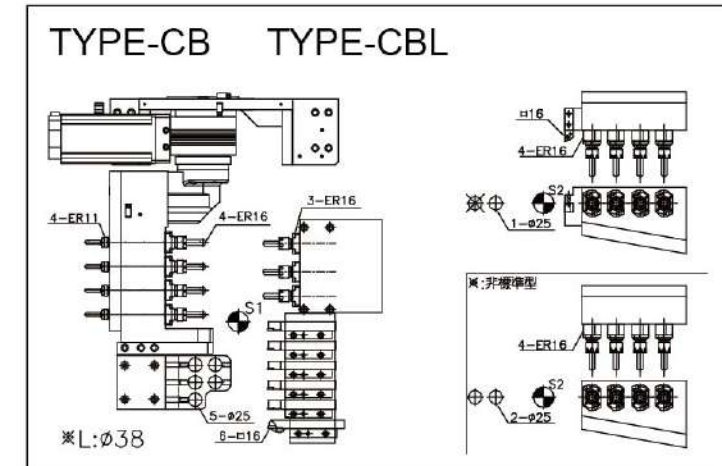
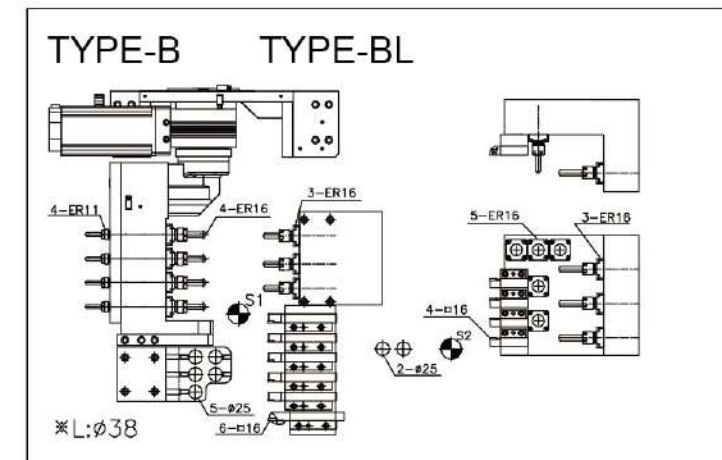
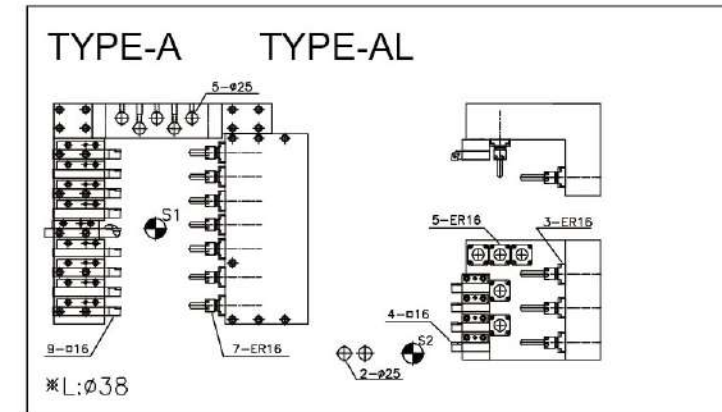
CNC CONTROLLER

Tool system layout

SS-26ABY



SS-32ABY



CNC SWISS TYPE LATHE

Standard accessory

	A	A(AL)	B	B(BL)	C	C(CL)	CB	CB(CBL)
	26#	32#	26#	32#	26#	32#	26#	32#
MAIN SPINDLE EXTERNAL TOOL HOLDER (9 TOOL)	●	●	-	-	●	●	-	-
MAIN SPINDLE EXTERNAL TOOL HOLDER (8 TOOL)	-	-	-	●	-	-	-	●
MAIN SPINDLE EXTERNAL TOOL HOLDER (5 TOOL)	-	-	●	-	-	-	●	-
INNER TOOL HOLDER (5 TOOL)	●	●	●	●	●	●	●	●
MAIN SPINDLE SIDE DRILLING TOOL HOLDER (7 TOOL)	●	●	-	-	●	●	-	-
MAIN SPINDLE SIDE DRILLING TOOL HOLDER (4 TOOL)	-	-	●	-	-	-	●	-
MAIN SPINDLE SIDE DRILLING TOOL HOLDER (3 TOOL)	-	-	-	●	-	-	-	●
B AXIS TOOL HOLDER(5 TOOL)	-	-	●	-	-	-	●	-
B AXIS TOOL HOLDER(4 TOOL)	-	-	-	●	-	-	-	●
SUB SPINDLE TOOLING SYSTEM(16 TOOL) (OD * 4 · ID * 4 · CROSS LIVE TOOL * 4 · FACE LIVE TOOL * 4)	●	-	●	-	-	-	-	-
SUB SPINDLE TOOLING SYSTEM(12 TOOL) (OD * 4 · CROSS LIVE TOOL * 3 · FACE LIVE TOOL * 5)	-	●	-	●	-	-	-	-
SUB SPINDLE TOOLING SYSTEM(4 TOOL) (OD * 1 · FACE LIVE TOOL * 4)	-	-	-	-	●	●	●	●
MAIN SPINDLE HYDRAULIC CYLINDER	●	●	●	●	●	●	●	●
SUB SPINDLE HYDRAULIC CYLINDER	●	●	●	●	●	●	●	●
MAIN SPINDLE C AXIS	●	●	●	●	●	●	●	●
SUB SPINDLE C AXIS	●	●	●	●	●	●	●	●
SPINDLE COLLET CHUCK	●	●	●	●	●	●	●	●
FIXED GUIDE BUSHING HOLDER	●	●	●	●	●	●	●	●
PARTS CATCHER & PARTS CONVEYOR	●	●	●	●	●	●	●	●
TOOL & TOOL BOX	●	●	●	●	●	●	●	●
LIGHTING DEVICE	●	●	●	●	●	●	●	●
CUTTING COOLANT DEVICE	●	●	●	●	●	●	●	●
LUBRICATION DEVICE	●	●	●	●	●	●	●	●
CUTTING COOLANT INSPECTION (ELECTRONIC TYPE)	●	●	●	●	●	●	●	●
CUT-OFF INSPECTION	●	●	●	●	●	●	●	●
OPERATION MANUAL	●	●	●	●	●	●	●	●
NC OPERATION MANUAL	●	●	●	●	●	●	●	●
NC MAINTENANCE MANUAL	●	●	●	●	●	●	●	●

Optional accessory

3 POSITION FACE LIVE TOOL HOLDER FOR MAIN AND SUB SPINDLE	○	○	-	-	○	○	-	-
2 POSITION FACE LIVE TOOL HOLDER FOR MAIN AND SUB SPINDLE	○	○	○	○	○	○	○	○
3 POSITION ANGLE DRILLING TOOL HOLDER (MANUAL ADJUSTING)	○	○	-	-	○	○	-	-
WHIRLING THREADING UNIT (MAIN SPINDLE)	○	○	○	○	○	○	○	○
POLYGON MILLING UNIT(MAIN SPINDLE)	○	○	○	○	○	○	○	○
POWER DRIVEN SAW UNIT (MAIN SPINDLE)	○	○	○	○	○	○	○	○
GEAR HOBBING UNIT(MAIN SPINDLE)	○	○	○	○	○	○	○	○
STATIONARY TOOL HOLDER(SUB SPINDLE)	○	○	○	○	○	○	○	○
ROTARY TOOL HOLDER(SUB SPINDLE)	○	○	○	○	○	○	○	○
POWER DRIVEN SAW UNIT (SUB SPINDLE)	○	○	○	○	○	○	○	○
1 POSITION CROSS LIVE TOOL (SUB SPINDLE)	-	-	-	-	○	○	○	○

●:STANDARD ○:OPTION - :NON

※: SS-32ABY-AL 38#

- Handwheel Program Run
- Simultaneously Rotary Guide Bush Holder
- ER16 Collet Set(10 pcs.)
- Chip Conveyor & Cart
- Oil Mist Collector
- Non Guide Bush Holder
- Long Parts Catcher
- Voltage Stabilizer
- Cabinet Air Condition
- Coolant Chiller
- High Pressure Cooling System
- Barfeeder

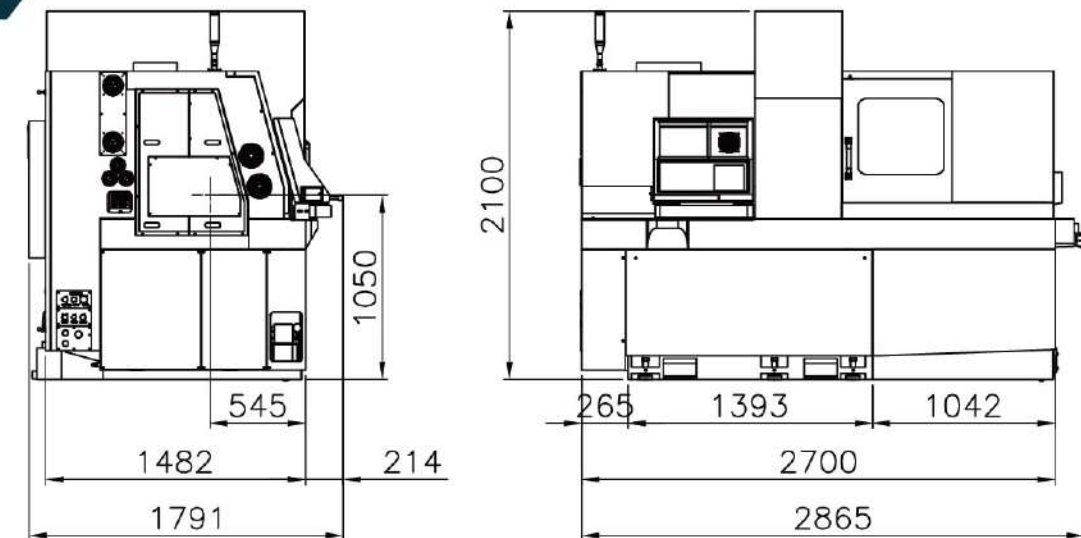
Specification

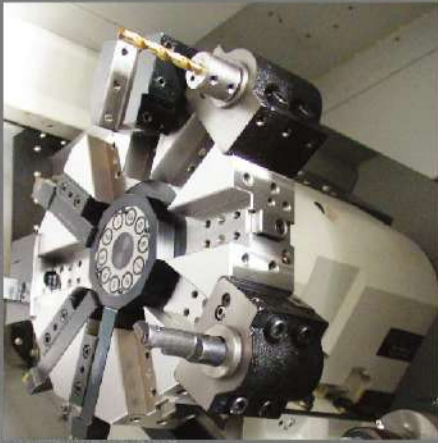
MODEL		Unit	SS-26ABY								SS-32ABY								
SYSTEM			S1				S2				S1				S2				
SPECIFICATION	TOOL NO.	TYPE	A	B	C	CB	A	B	C	CB	A(L)	B(L)	C(L)	CB(L)	A(L)	B(L)	C(L)	CB(L)	
		O.D. tool(□16)	9	5	9	5	4		1	9	6	9	6	4	1				
		I.D. tool(∅25)	5				4	5											
		Cross tool(ER16)	7	4	7	4	4					7	3	7	3	3			
		B axis tool(ER16)	5		5						4	4							
		Face tool(ER16)					4								5	4			
		Depth drill(∅25)					2								2				
		Bar capacity	mm	26								32							
Max. drilling diameter	mm	13				10				13				10					
Max. tapping size		M10				M8				M10				M8					
Max. drilling diameter of live tool	mm	10																	
Max. tapping size of live tool		M8																	
Max. turning length (Collet open once)	mm	BUSH:260 NON-BUSH:100																	
Max. speed of main spindle	rpm	8000								6000									
Max. speed of sub spindle	rpm	8000								6000									
Max. speed of live tool	rpm	8000																	
Max. speed of B axis live tool	rpm	5000																	
AXIS	Spindle(Conti./Peak)	kw	2.5/5.5				2.2 / 3.7				2.5 / 5.5				2.2 / 5.5				
	X axis	kw	1.4				1.4				1.4				1.4				
	Y axis	kw	1.6				2.5				1.6				2.5				
	Z axis	kw	2.5				1.4				2.5				1.4				
	B axis	kw	2.5																
	Live tool	kw	2.5																
Rapid traverse	m/min	30																	
OTHERS	Coolant tank capacity	L	407 (100%)																
	Machine dimension (L x W x H)	mm	3108 x 2046 x 2100								3108 x 2046 x 2100								
	Weight	kg	4870								4970								

NOTE: SYMBOL(L) MEANS TYPE 38

*Our company reserves the right to change the specifications without notice.

Dimension





SELICA INTERNATIONAL CO.,LTD

12F.-2, No. 6, Ln. 256, Sec. 2, Xitun Rd., Xitun Dist.,
Taichung City 407, Taiwan (R.O.C.)

TEL: +886-4-27082112 E-mail: info@selica.com.tw

FAX: +886-4-27082113 <http://www.selica.com.tw>



Agents:



SELICA

Note: To research and improve, our company keep the right of changing designs and specifications without further notice.