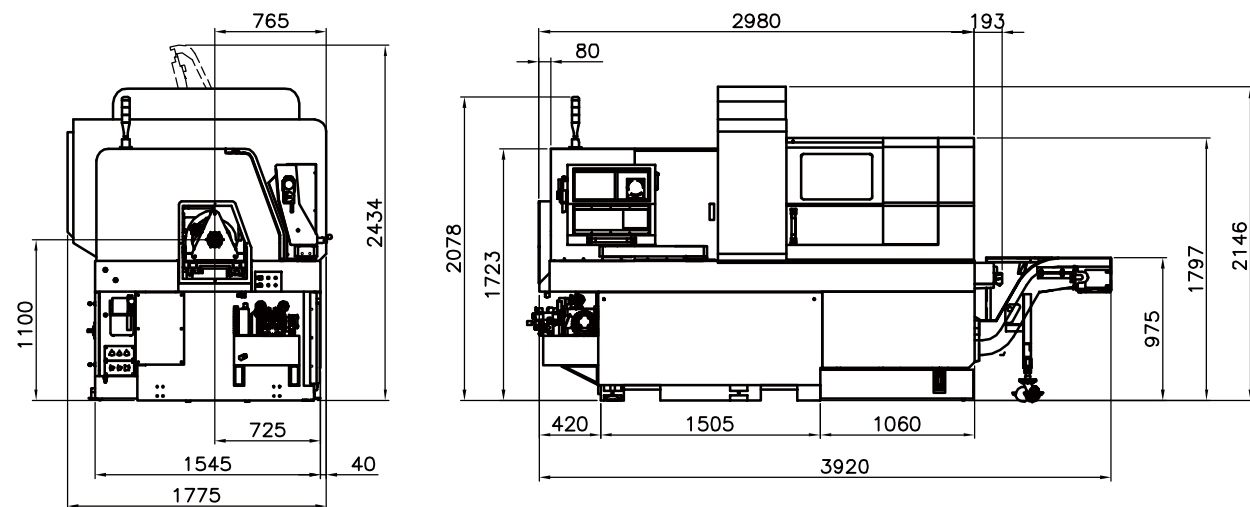


JSL-51RB



ITEM	Unit	JSL-51RB	JSL-51RBY
Max. turning diameter of main spindle	mm	51	
Max. turning diameter of sub-spindle	mm	51	
Max. turning length (Rotary guide bushing)	mm	300	
Max. turning length (Non-guide bushing)	mm	130	
Max. turning length (Fixed bushing)	mm	non	
Max.drilling / tapping capacity of main spindle	mm	Ø26/M16	
Max.drilling / tapping capacity of sub-spindle	mm	Ø20/M12	
Max.cross drilling / tapping capacity	mm	Ø12/M10	
O.D tool holder	pcs	5/(□20mm)	
I.D tool holder	pcs	5 /Ø25mm	
S1 cross live tool holder	pcs	6 (ER-20)	
Sub-spindle face drilling tool	pcs	4	8
Controlled axes (incl. C-axis)	pcs	7	8
Main / sub-spindle bore	mm	Ø 52 / Ø 52	
Max. speed of main / sub-spindle	Rpm	4500 / 4500	
X1/Z1/Y1/X2/Z2/Y2 axis rapid traverse	m/min	24	
Max. speel of S1 cross drilling tool	Rpm	4000	
S1 cross tool motor	Kw	2.5	
S2 face tool motor	Kw	2.5	
Max. speed of S2 face drilling tool	Rpm	4000	
Main. spindle motor	Kw	11 / 15	
Sub-spindle motor	Kw	7.5 / 11	
Y1/X1/Z1/X2/Z2 axis motor	Kw	2.5	
Y2 axis motor	Kw	Non	2.5
Coolant pump motor	Kw	0.54	
Power requirement	KVA	30	
Lubrication oil capacity	L	2	
Coolant tank capacity	L	250(100%)	
Machine dimension (L*W*H)	Mm	3173 x 1695 x 2146	
Weight	KG	5450	5480

STANDARD ACCESSORIES

	JSL-51RB	JSL-51RBY		JSL-51RB	JSL-51RBY
External tool holder (5 tools)	○	○	Lubrication device	○	○
Inner tool holder (5 tools)	○	○	C-axis of sub-spindle	○	○
Cross drilling tool holder (6 tools)	○	○	Sub-spindle face drilling/milling tool holder (4 tools)	○	-
Parts catcher & conveyor	○	○	Sub-spindle face drilling/milling tool holder (8 tools)	-	○
Tools & tool box	○	○	Y2-axis	-	○
Working lamp	○	○	Sub-spindle fixed tool holder	2pcs	3pcs
Non-guide bushing holder	○	○	Sub-spindle power tool holder	2pcs	3pcs
Main/sub-spindle hydraulic rotary cylinder	○	○	Sub-spindle 3-position O.D tool holder	-	1pcs
C-axis of main spindle	○	○	Spindle collet	2pcs	2pcs
Coolant device	○	○	Operation manual	○	○
Coolant inspection (Electronic type)	○	○	NC control operation manual	○	○
Cut-off inspection	○	○	NC control maintenance manual	○	○

OPTIONAL ACCESSORIES

- | | | |
|--|--|---|
| <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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) | <ul style="list-style-type: none"> • 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 TURN MACHINE



www.jinnfa.com

JSL-51RB/51RBY



HIGH EFFICIENCY IN TURNING & MILLING

A NEW STANDARD IN MACHINING

MAIN AND SUB-SPINDLE COMBINED WITH COMPREHENSIVE TOOL SYSTEM

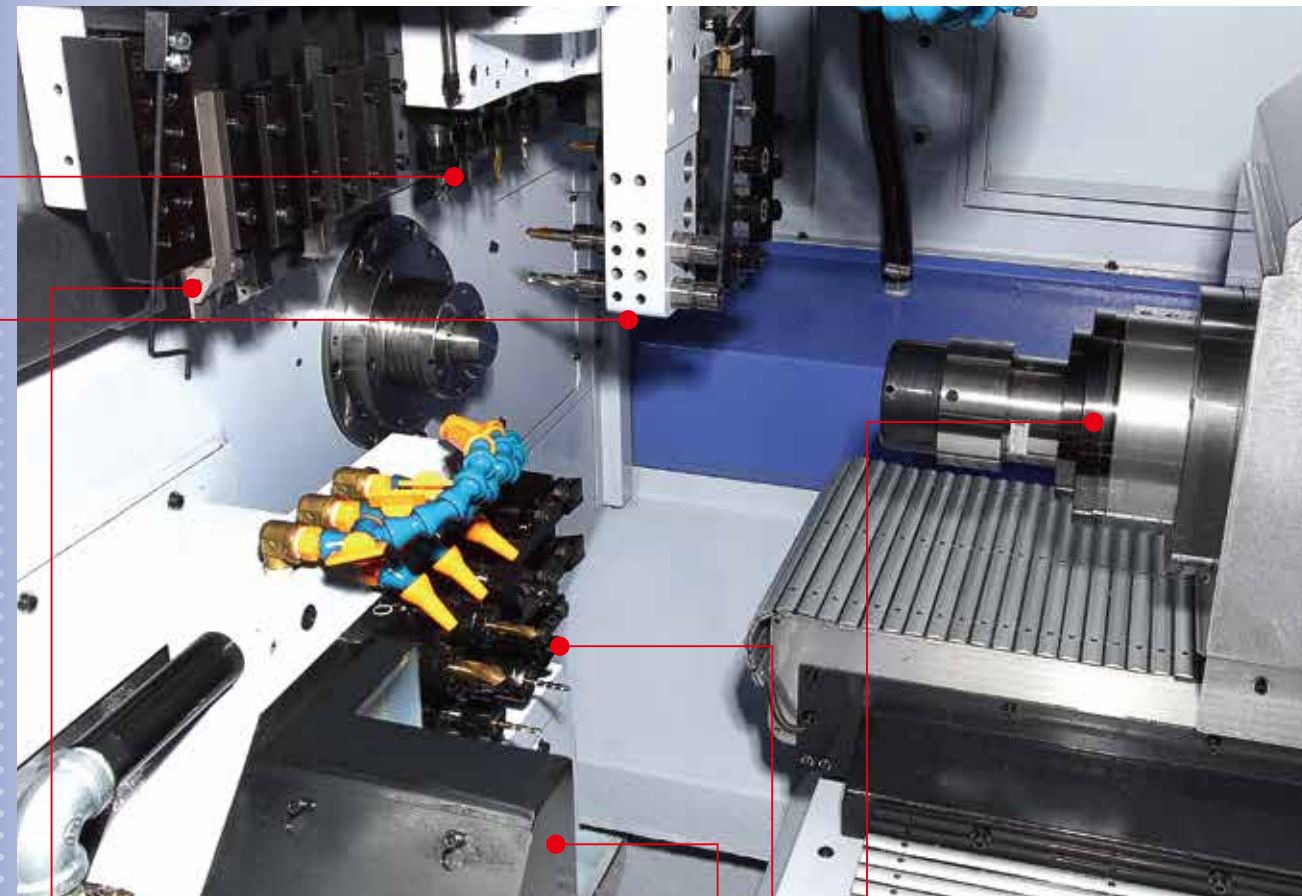
Focus on high efficiency and multi-tasking features, Jinn Fa JSL-51RB/51RBY Swiss Turning Machines intergrate sliding head and sliding tool in one single machine.

For applications in traveling-tool machining, these series are constructed around three axes (X,Y & Z) in combination with powered tool function. It allows for turning, milling, drilling and tapping operations with only one setup. The main spindle and sub-spindle perform machining synchronously, saving time for primary and secondary machining while ensuring higher accuracy for parts.

APPLICABLE PARTS MACHINING

Automotive and motorcycle parts / Electronic parts / Instrument parts / Pneumatic and hydraulic parts / Medical instruments

TOOL SYSTEM LAYOUT



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 tool system
- Parts catcher

JSL-51RB/51RBY



Sub-Spindle Tooling System with Y Axis

- Apply to backside machining.



Cross/Face Drilling Function

- Cross drilling tool can convert into 3-position face drilling tool for main and sub-spindle.
- Able to adjust angle.



Fanuc 32i CNC Controller

- Rotary control panel is easier for operator to use.



Deep Hole Drilling Device (Max. 135mm)

- Sub-spindle can add deep hole drilling device with center coolant function.



Simultaneously Rotary Guide Bushing Holder (4000PRM)

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



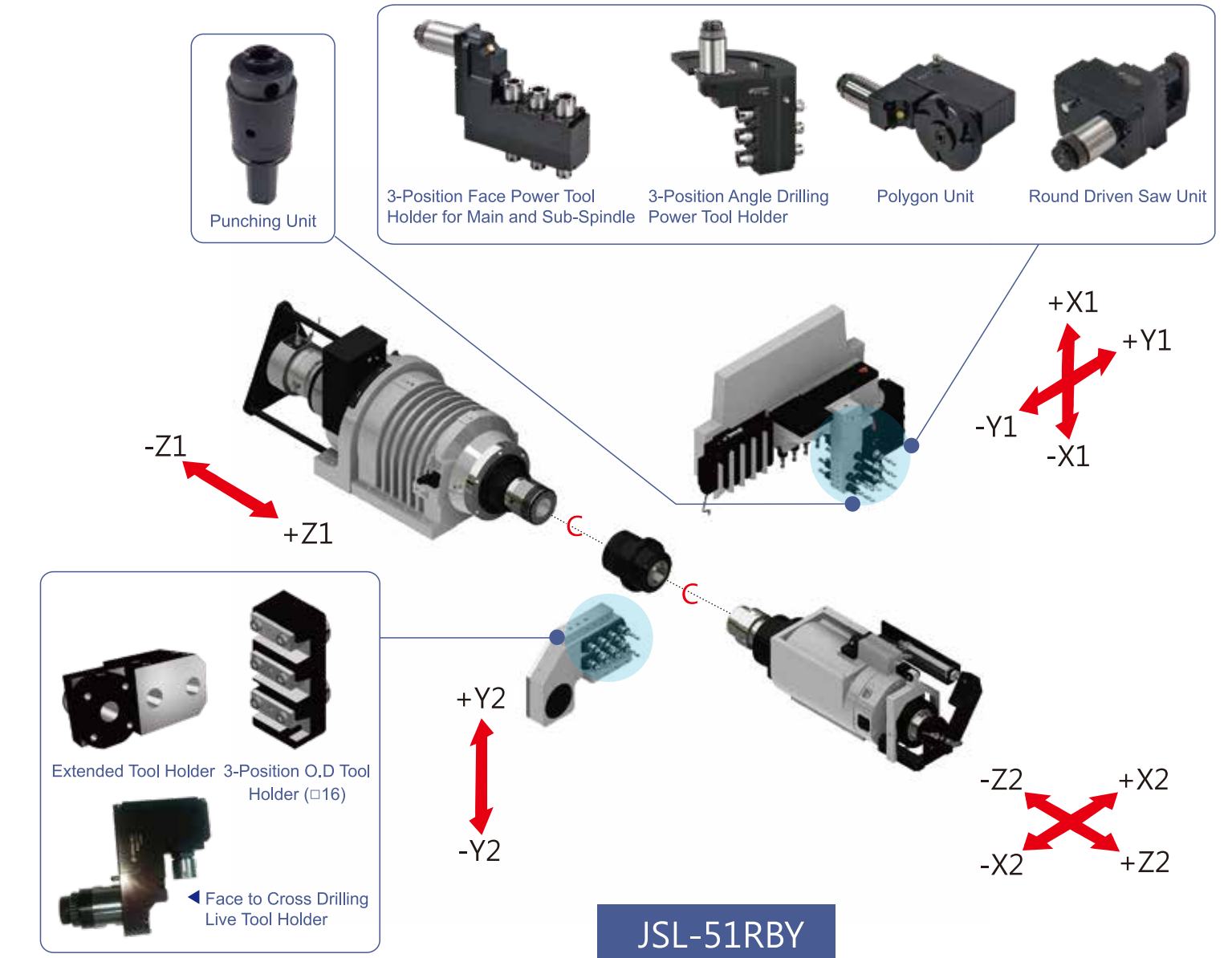
Non Guide Bushing Holder

- For use in short parts and reduce rest bar.

TOOL SYSTEM LAYOUT



JSL-51RB



JSL-51RBY