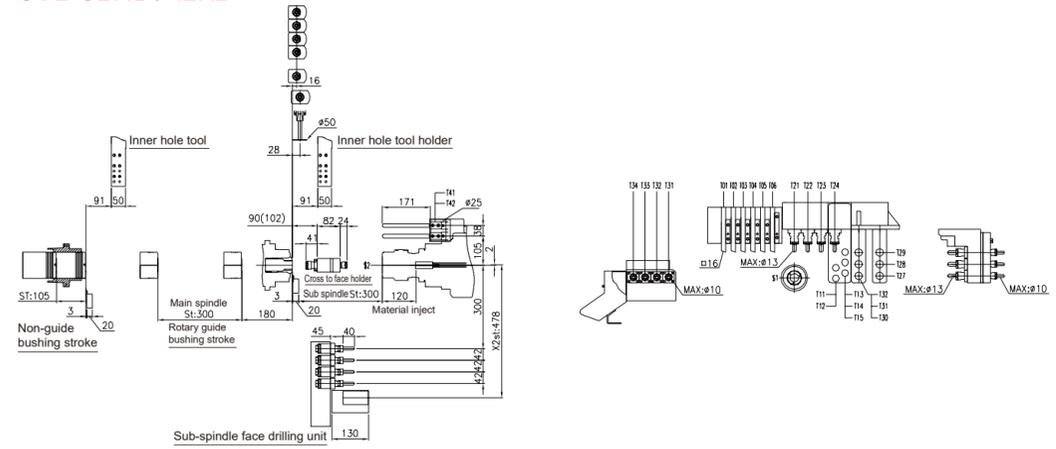
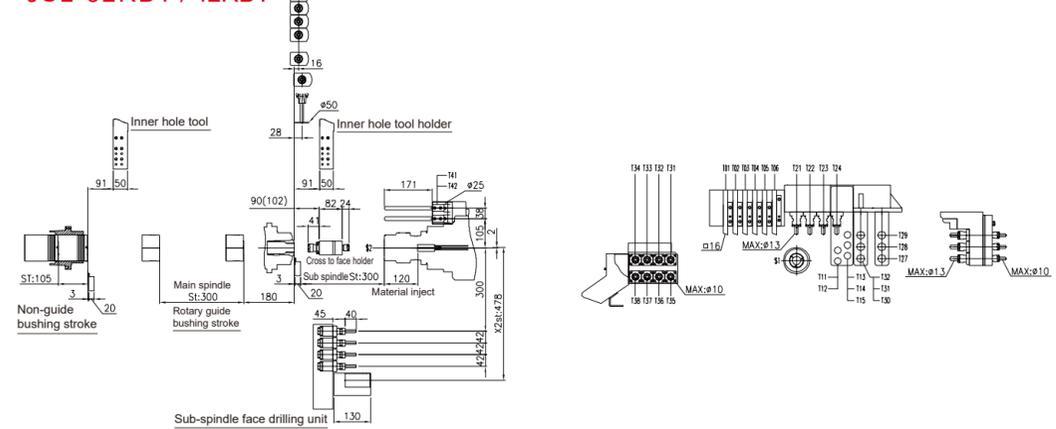


TOOL SYSTEM LAYOUT

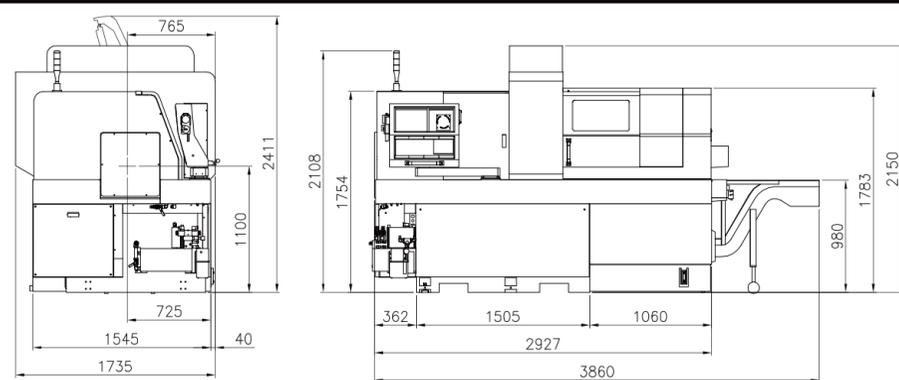
JSL-32RB / 42RB



JSL-32RBY / 42RBY



DIMENSION



SPECIFICATION

ITEM	Unit	JSL-32RB	JSL-32RBY	JSL-42RB	JSL-42RBY
Max. turning diameter of main spindle	mm	32		42	
Max. turning diameter of sup spindle	mm	32		42	
Max. turning length (Rotary guide bushing)	mm		310		
Max. turning length (Non-guide bushing)	mm		105		
Max. turning length (Fixed bushing)	mm		350		
Max.drilling / tapping capacity of main spindle	mm		Ø25 / M12		
Max.drilling / tapping capacity of sub spindle	mm		Ø20 / M10		
Max. cross drilling / tapping capacity	mm		Ø12 / M8		
O.D tool holder	pcs		6 (□16mm) / 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	4	8
Controlled axes (incl. C-axis)	pcs	7	8	7	8
Main / sub-spindle bore	mm		Ø34		Ø44
Max.speed of main / sub-spindle	rpm	7000		6000	
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		1.5		
S2 face tool motor	KW		1.5		
Max. speed of S2 face drilling tool	rpm		4000		
Main. Spindle motor	KW		5.5 / 7.5		
Sub-spindle motor	KW		5.5 / 7.5		
X1/Z1 axis motor	KW		1.4		
Y1/X2/Z2 axis motor	KW		1.0		
Y2 axis motor	KW	non	1.0	non	1.0
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		3115 x 1735 x 2146		
Weight	KG	4900	4920	4900	4920

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

STANDARD ACCESSORIES

	JSL-32RB	JSL-32RBY	JSL-42RB	JSL-42RBY		JSL-32RB	JSL-32RBY	JSL-42RB	JSL-42RBY
External tool holder (6 tools)	○	○	○	○	Sub-spindle	○	○	○	○
Inner tool holder (5 tools)	○	○	○	○	Face drilling/milling tool holder (4 tools) for sub-spindle	○	-	○	-
Cross drilling tool holder (6 tools)	○	○	○	○	Face drilling/milling tool holder (8 tools) for sub-spindle	-	○	-	○
Parts catcher and conveyer	○	○	○	○	Y2-axis	-	○	-	○
Tool & toolbox	○	○	○	○	Fixed tool holder (Sub-spindle)	2pcs	3pcs	2pcs	3pcs
Lighting device	○	○	○	○	Rotary tool holder (Sub-spindle)	2pcs	3pcs	2pcs	3pcs
Fixed guide bushing holder	○	○	○	○	3-position O.D. tool holder (Sub-spindle)	-	1pcs	-	1pcs
Main spindle servo motor	○	○	○	○	Chuck gripper	2pcs	2pcs	2pcs	2pcs
Main spindle with C-axis function	○	○	○	○	Machining room with safety lock	○	○	○	○
Cutting coolant	○	○	○	○	Cutting bush	1pcs	1pcs	1pcs	1pcs
Cutting coolant inspection (Electronic type)	○	○	○	○	Spindle collet chuck	2pcs	2pcs	2pcs	2pcs
Cut-off inspection	○	○	○	○	Operation manual	○	○	○	○
Lubrication device	○	○	○	○	NC control operation manual	○	○	○	○
Sub-spindle with C-axis function	○	○	○	○	NC control maintenance manual	○	○	○	○

OPTIONAL ACCESSORIES

- ER16 M2 double side inner tool holder
- Simultaneous rotary guide bush holder
- Non guide bush holder
- Long part catcher
- Chip conveyor & cart
- ER 16/20 collet set
- Cutting oil chiller
- Stationary drilling tool holder (Sub-spindle)
- Rotary drilling tool holder (Sub-spindle)
- Power driven saw unit
- 3-position eccentric tool holder (main and sub-spindle)
- 3-position angel drilling tool holder (Manual)
- 1-position cross live tool holder (Sub-spindle)
- O.D tool holder (Sub-spindle)
- Shortened type Ø16 I.D. tool holder (Sub-spindle)
- Ø16 I.D. tool holder (Sub-spindle)
- Extended I.D. tool holder for sub-spindle (Ø16, 1-2)
- Extended tool holder Ø16 (With one Ø16 1-2 I.D. tool holder)
- Oil mist collector
- High pressure coolant system
- 15/50/100 bars (With sub-coolant tank)
- Hydraulic bar feeder
- Hydraulic chuck for sub-spindle
- CE
- Transformer
- Voltage Stabilizer



SWISS TURN MACHINE



www.jinnfa.com

JSL-32RB/32RBY
42RB/42RBY



HIGH EFFICIENCY IN TURNING & MILLING A NEW STANDARD IN MACHINING

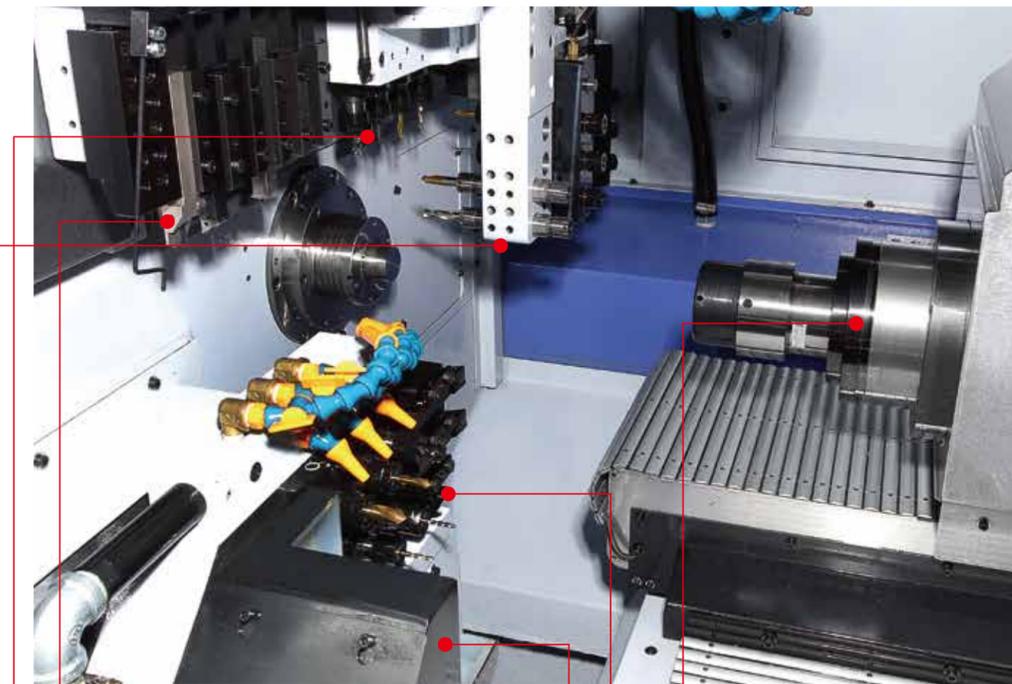
MAIN AND SUB-SPINDLE COMBINED WITH COMPREHENSIVE TOOL SYSTEM

Focus on high efficiency and multi-tasking features, Jinn Fa JSL-32/42RB and JSL32/42RBY 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

- 6-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-32RB/42RB



Sub-spindle Tooling System

- Apply to backside machining

JSL-32RBY/42RBY



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

JSL-32RB/32RBY/42RB/42RBY



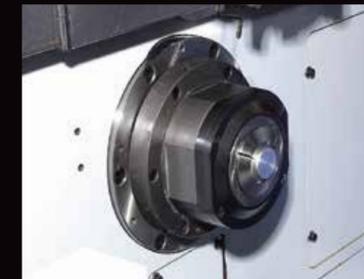
Fanuc 32i CNC Controller

- Rotary control panel is easier for operator to use.



Deep Hole Drilling Device (Max. 135mm)

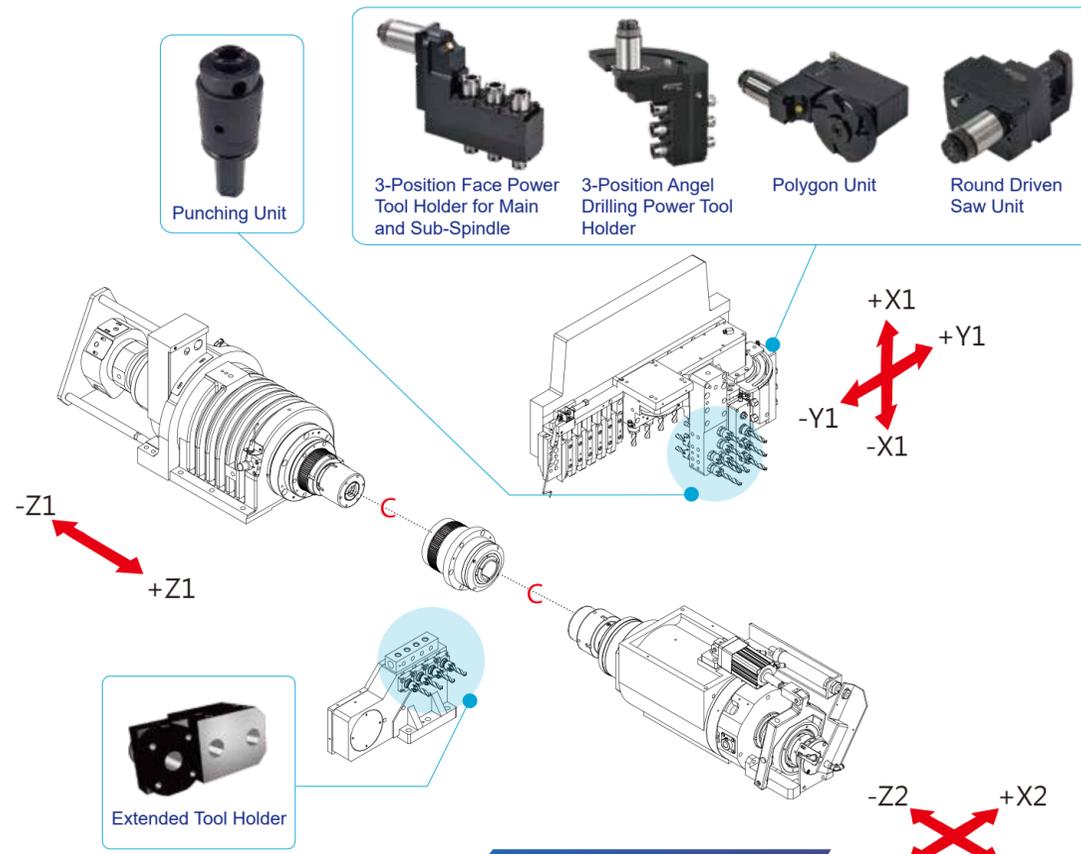
- Sub-spindle can add deep hole drilling device with center coolant function.



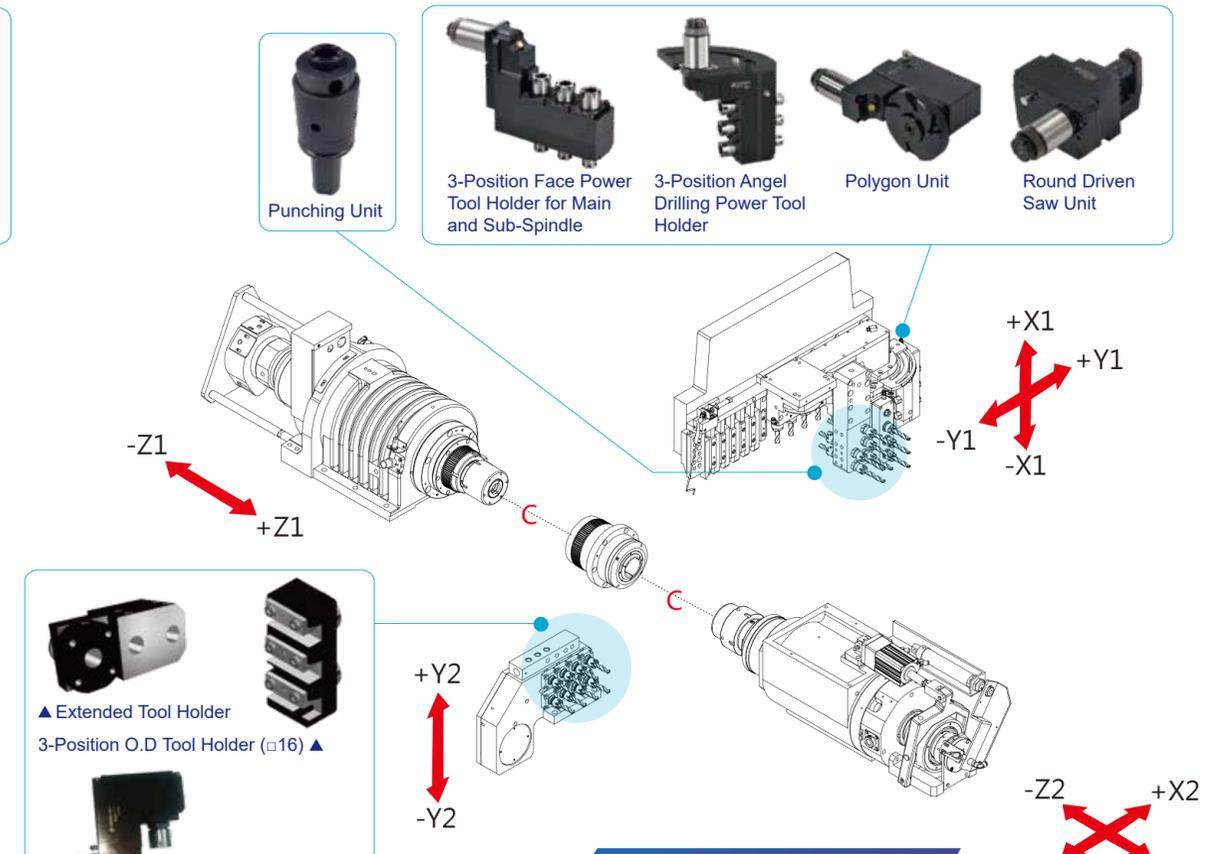
Simultaneously Rotary Guide Bushing Holder (6000RPM)

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

TOOL SYSTEM LAYOUT



JSL-32/42RB



JSL-32/42RBY