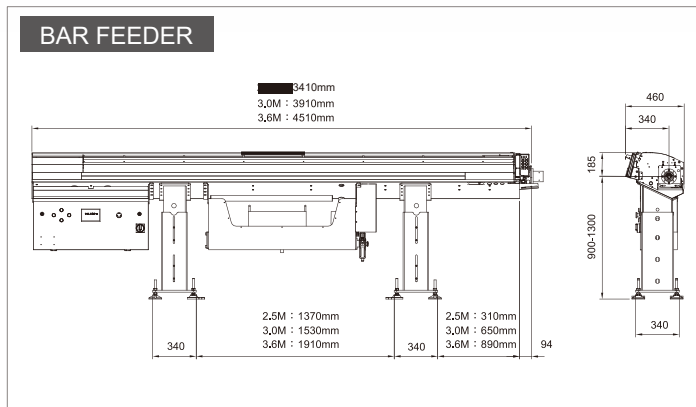
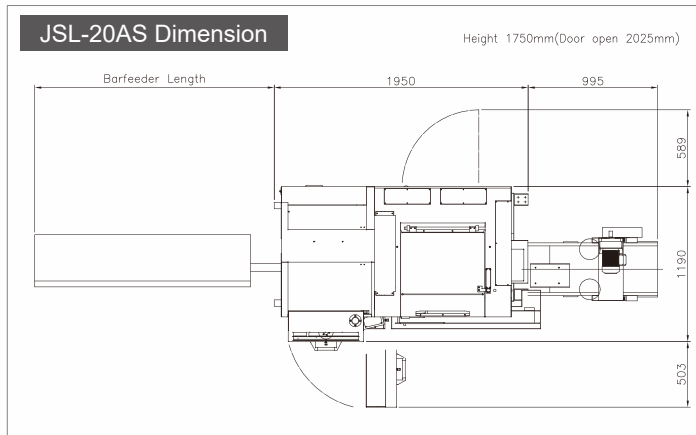
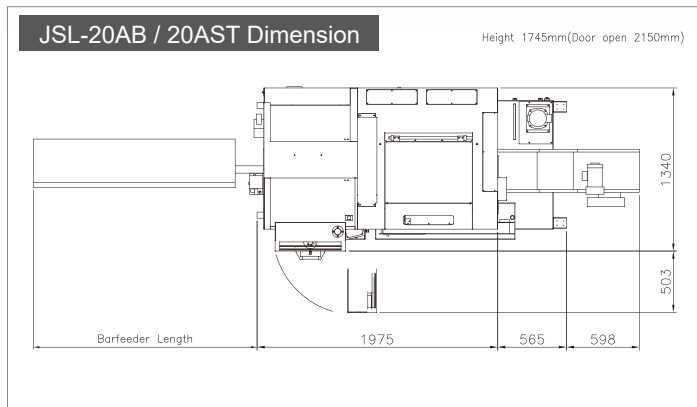
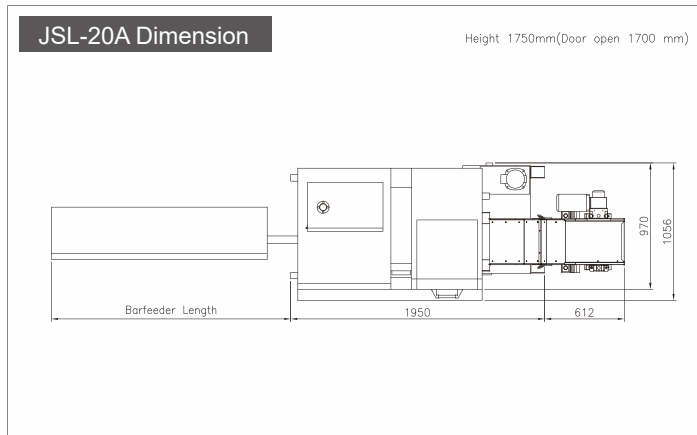
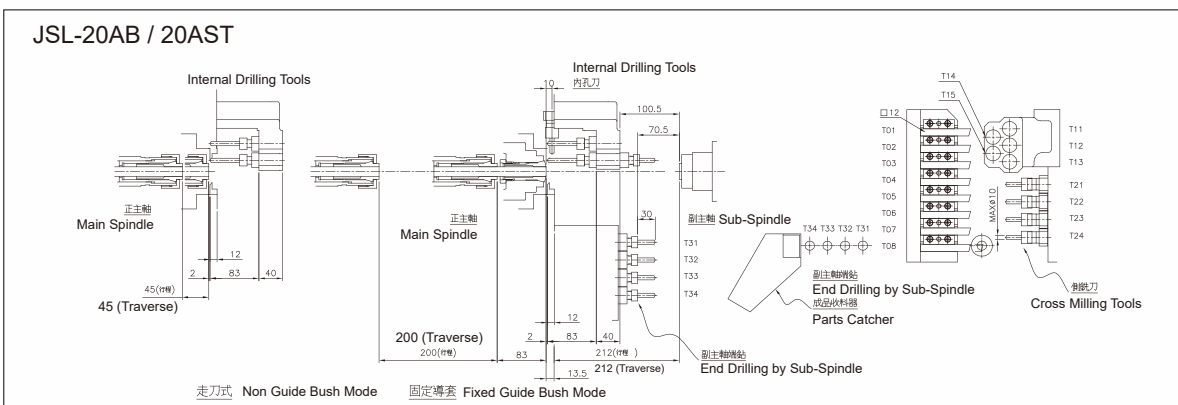
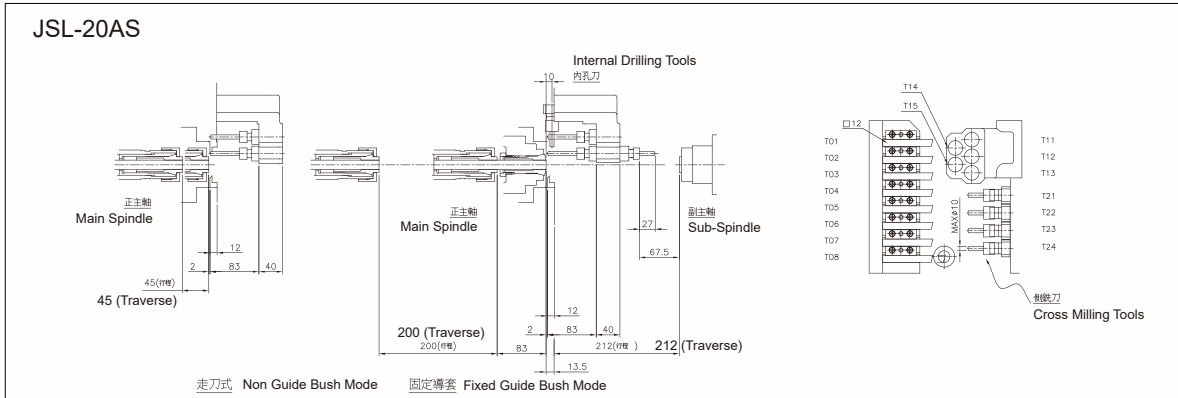
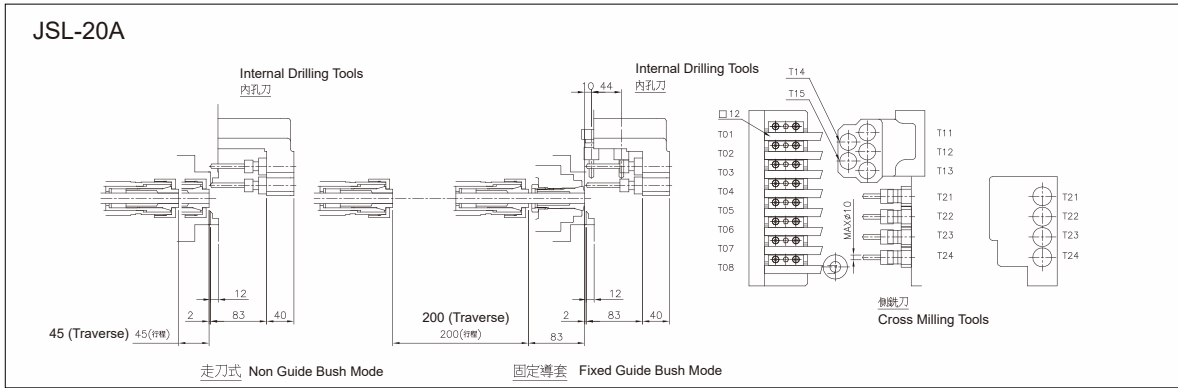


Tool System Layout



ITEM	Unit	20A	20AS	20AB	20AST
Max. turning dia. of main spindle	mm		20		
Max. turning dia. of sub spindle	mm	-	20		
Max. turning length (Fixed guide bush)	mm	200			
Max. turning length (Rotary guide bush)	mm	85			
Max. turning length (Non guide bush)	mm	45			
Max. drilling capacity of main spindle	mm	12			
Max. drilling capacity of sub spindle	mm	-	10		
Max. tapping capacity of main spindle		M8			
Max. tapping capacity of sub spindle		-	M8		
Max cross drilling capacity	mm	10			
Max. cross tapping capacity		M6			
No. of external turning tools	pcs	8			
No. of internal turning tools	pcs	5			
No. of cross drillings	pcs	4 (7*)			
Face tool holder (Sub-spindle)	pcs	-		4	
Size of tool	mm	12 x 12 x 90			
No. of axis controls		4	5	7	6
		(X/Y/Z/C)	(X/Y/Z/C/B)	(X1/Y1/Z1/X2/Z2/C1/C2)	(X1/Y1/Z1/X2/Z2/C1)
Bore of spindle	mm	29			
Spindle speed range	rpm	15-8000			
Rapid traverse X / Z	m/min	24			
Main spindle motor	kw	3.7			
Sub spindle motor	kw	Mitsubishi 1.5 / Fanuc 2.2		Fanuc 2.2	
X1 / Z1 motor	kw	0.5 / 0.75			
Y-Axis motor	kw	0.75			
Cross drilling motor	kw	0.5		0.75	
End drilling motor	kw	-		0.75	-
X2 / Z2 motor	kw	-	- / 0.5	0.5 / 0.5	
Coolant motor	kw	0.375			
Power requirement	KVA	10	15		
Machine dimensions	mm	1950x970x1750	1950x1190x2025	2540x1340x2150	
Weight	kg	1800	2140	2400	

* : OPTIONAL



JINN FA

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4~7 axis controls
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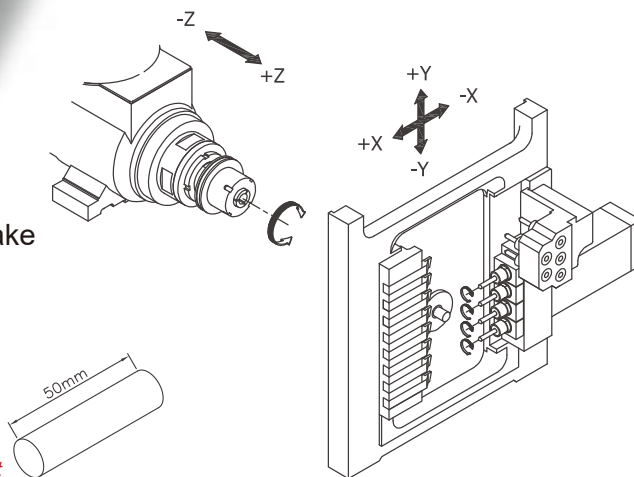


JSL-20A

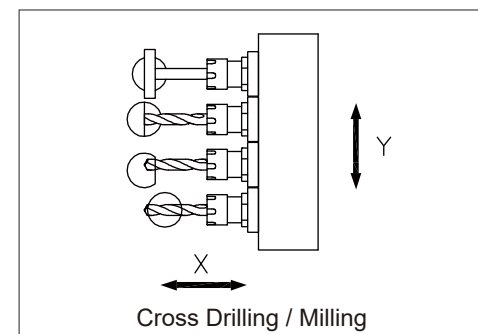
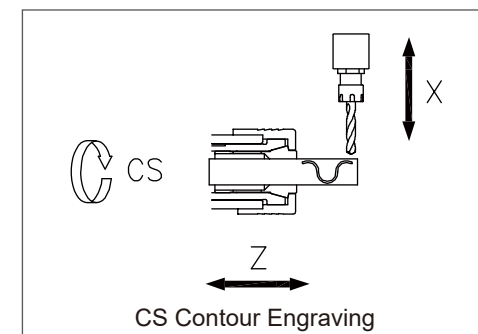
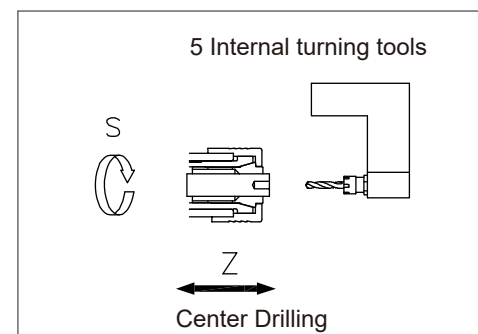
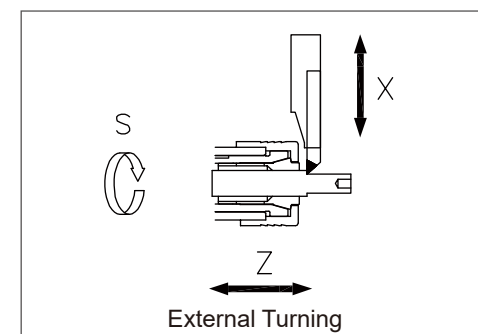
JSL-20A

- ◆ Max. turning diameter 20mm.
- ◆ With guide bush holder and long parts catcher, it can make long and complicated components.
- ◆ Four axes simultaneous movement (X/Y/Z/C*).
- ◆ Main spindle cross drilling, milling function.
- ◆ Surface contour machining available.

Minimum rest bar length!!



Machining Types



STANDARD ACCESSORIES

Main spindle C-axis control
Fixed guide bush holder
Guide bush x 1
Spindle collet x 1
Chuck gripper
Parts catcher
Coolant inspection
Cut off inspection
Cutting coolant device
Lubrication device
Leveling pad
Work light
Tool & tool box
Operation manual

OPTIONAL ACCESSORIES

Non guide bush holder
Simultaneously rotary guide bush holder
ER16 collet chuck shank Ø22*100L
ER16 collet set
Parts conveyor
Long parts catcher
Chip conveyor
Transformer
Voltage stabilizer
Multiple bar feeder 3.2M

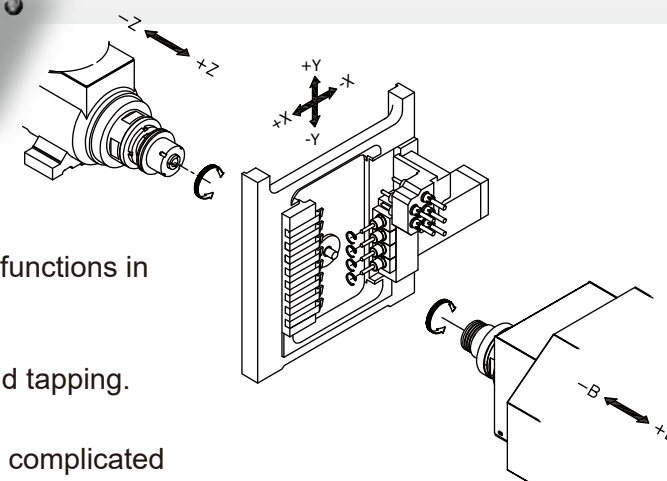
High Precision and High Production Design



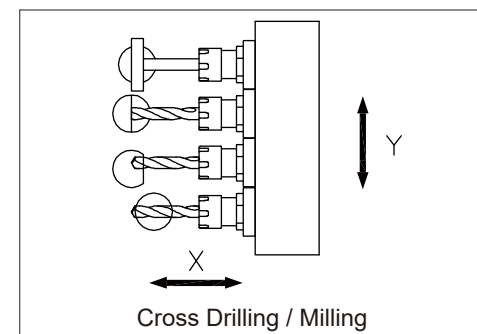
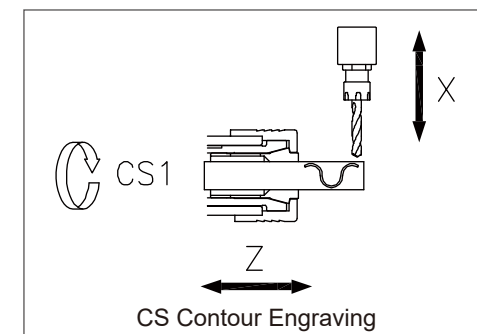
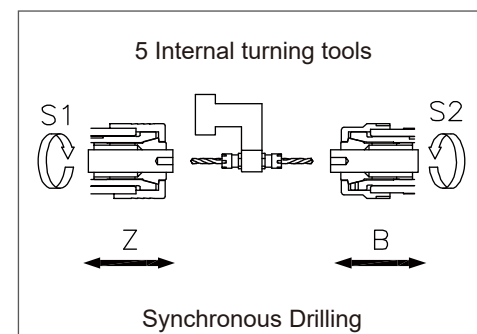
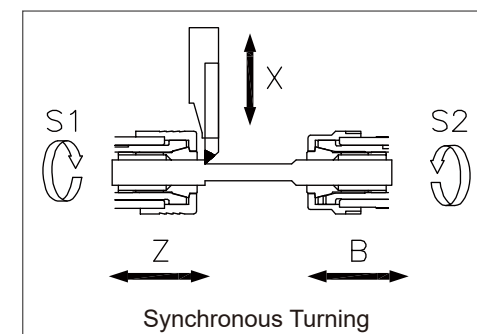
JSL-20AS

JSL-20AS

- ◆ Max. turning diameter 20mm.
- ◆ Switching guide bush / non guide bush models for multi-functions in one machine.
- ◆ Five-axis controls simultaneously (X/Y/Z/B/C).
- ◆ Cross drilling function can work well in milling, drilling and tapping.
- ◆ Main and sub spindles drill simultaneously to save time.
- ◆ Fanuc Oi with upgradable functions is flexible for making complicated components.



Machining Types



STANDARD ACCESSORIES

Main spindle CS function
Fixed guide bush holder
Guide bush x 1
Spindle collet x 2
Chuck gripper
Parts catcher
Coolant inspection
Cut off inspection
Cutting coolant device
Lubrication device
Leveling pad
Work light
Tool & tool box
Operation manual

OPTIONAL ACCESSORIES

Non guide bush holder
Simultaneously rotary guide bush holder
ER16 collet chuck shank Ø22*100L
ER16*M2 double-side inner tool holder
ER16 collet set
Parts conveyor
Long parts catcher
Chip conveyor
Transformer
Voltage stabilizer
Multiple bar feeder 3.2M

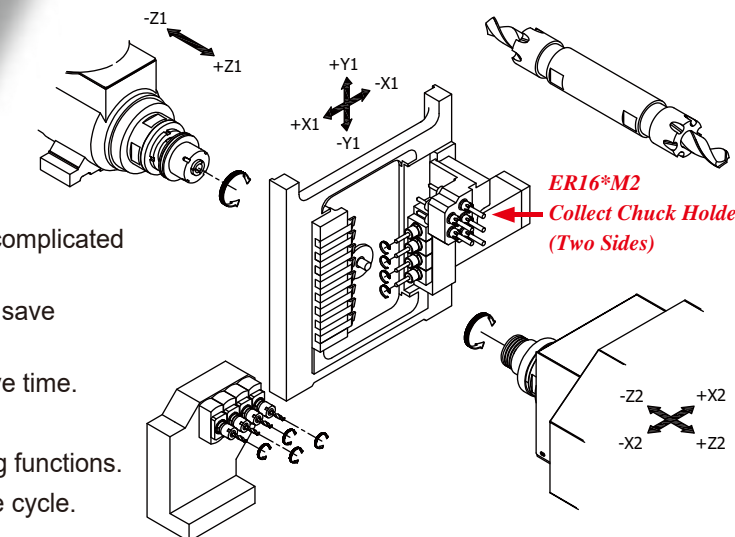
Multi-functional Sliding Head Spindle with Two Channel Controls



JSL-20AB/20AST

JSL-20AB/20AST

- ◆ Max. turning diameter 20mm.
- ◆ When guide bush holder with long parts catcher, making long and complicated components.
- ◆ When non guide bush holder, its minimum rest bar length 50mm to save materials.
- ◆ Seven-axis controls simultaneously (X1/Y1/Z1/X2/Z2/C1/C2) to save time.
- ◆ Main/sub spindle C axis controls.
- ◆ Sub tooling system can make eccentric drilling, milling and grooving functions.
- ◆ It with Fanuc 32i controller to make complicated components in one cycle.



STANDARD ACCESSORIES

• Main/ sub spindle C axis controls
• Fixed guide bush holder
• Guide bush x 1
• Spindle collet x 2
• Chuck gripper

• Stationary tool holder (\$2) x 2
• Rotary tool holder (\$2) x 2
• Parts catcher
• Parts conveyor
• Coolant inspection

• Cut off inspection
• Cutting coolant device
• Lubrication device
• Leveling pad
• Work light

• Tool & tool box
• Operation manual
• Remark: (\$2) as a symbol for Sub-spindle

OPTIONAL ACCESSORIES

• Non guide bush holder
• Simultaneously rotary guide bush holder
• ER16 collet chuck shank Ø22*100L
• ER16*M2 double-side inner tool holder
• ER16 collet set
• Long parts catcher
• Chip conveyor
• Transformer
• Voltage stabilizer
• Multiple bar feeder 3.2M

Machining Types

