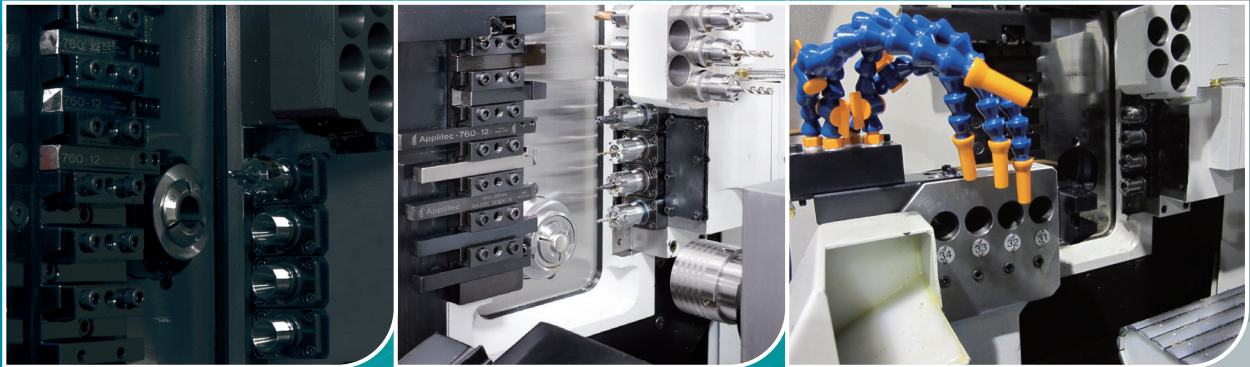


Since 1976



State-of-the-art CNC Sliding Head Spindle Type Lathes Designed for Profitable Production



4~7 axis controls
Swiss-type lathes

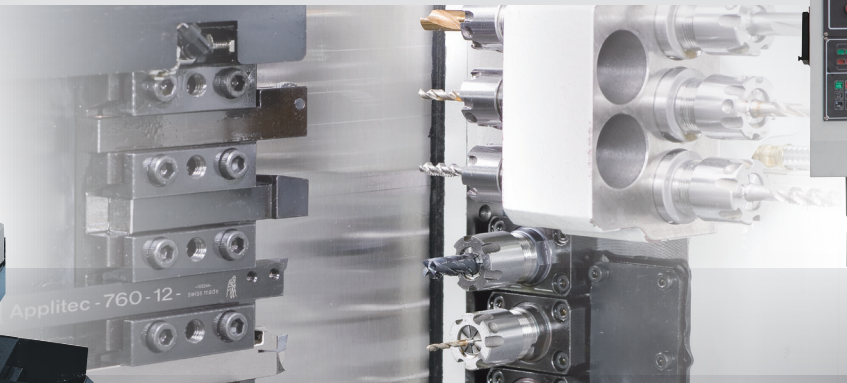
<http://www.jinnfa.com>



JINN FA



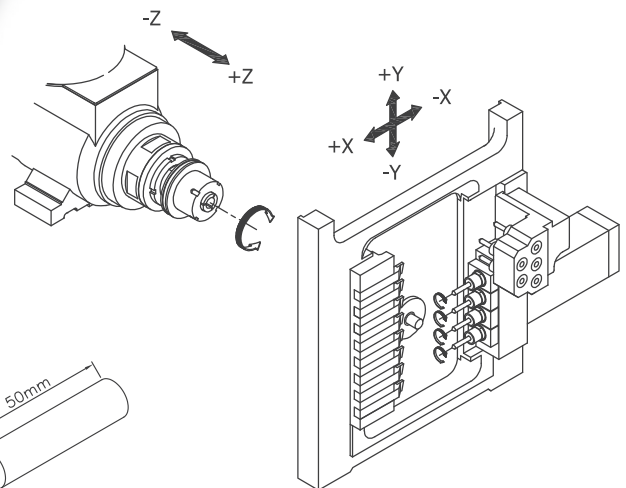
Economical and Material Saving CNC Swiss-type Lathe



JSL-20A

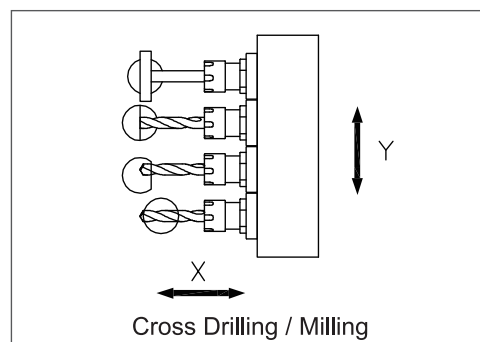
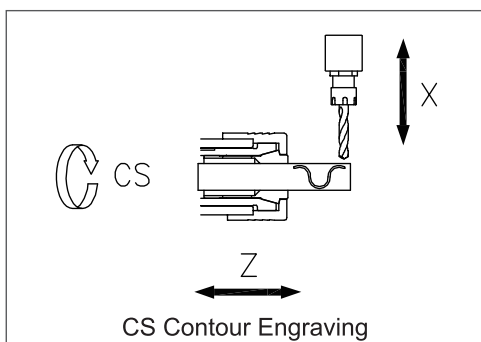
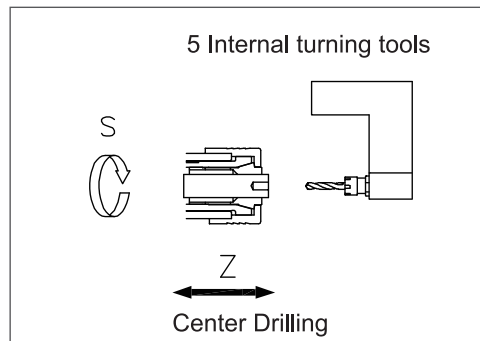
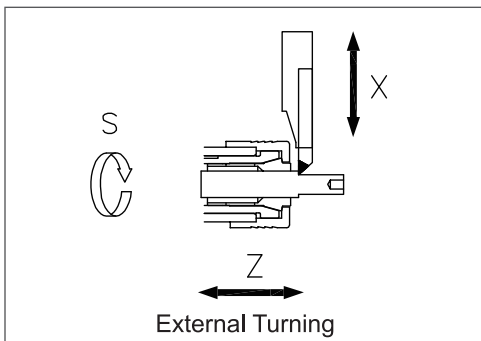
JSL-20A

- ◆ 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

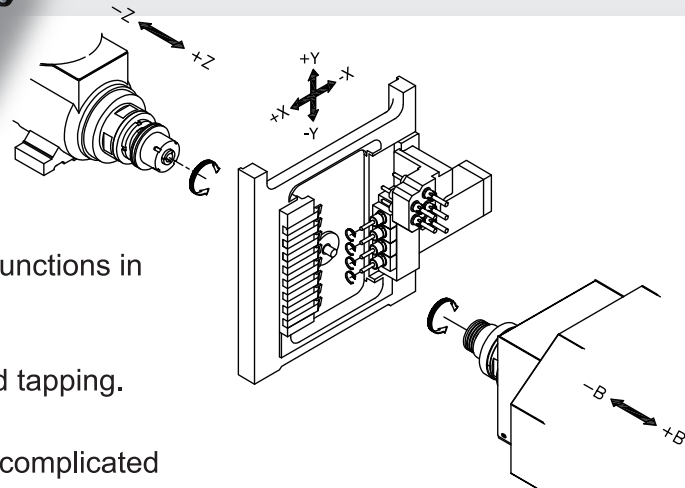
High Precision and High Production Design



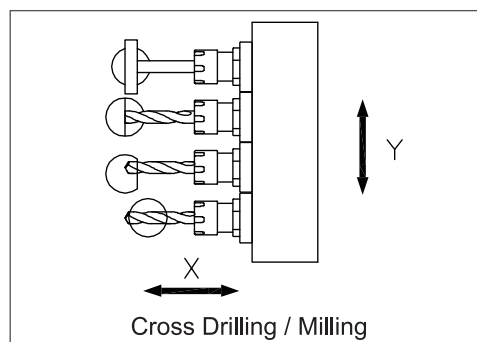
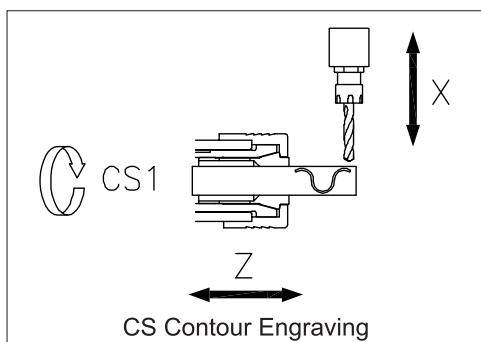
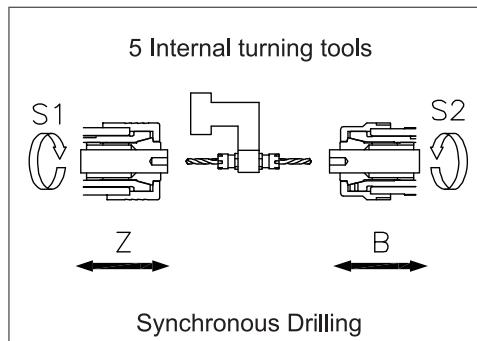
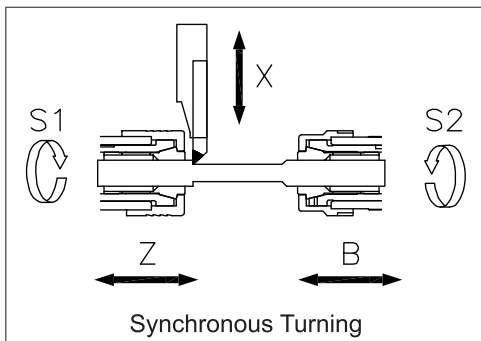
JSL-20AS

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 0i with upgradable functions is flexible for making complicated components.



Machining Types



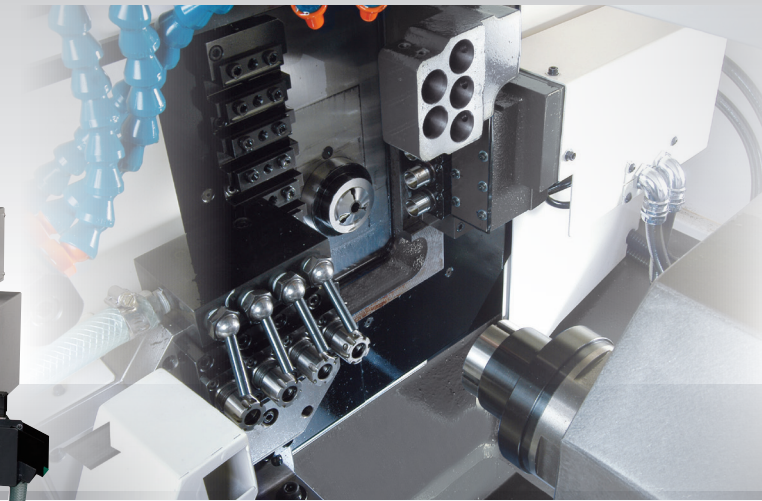
STANDARD ACCESSORIES

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

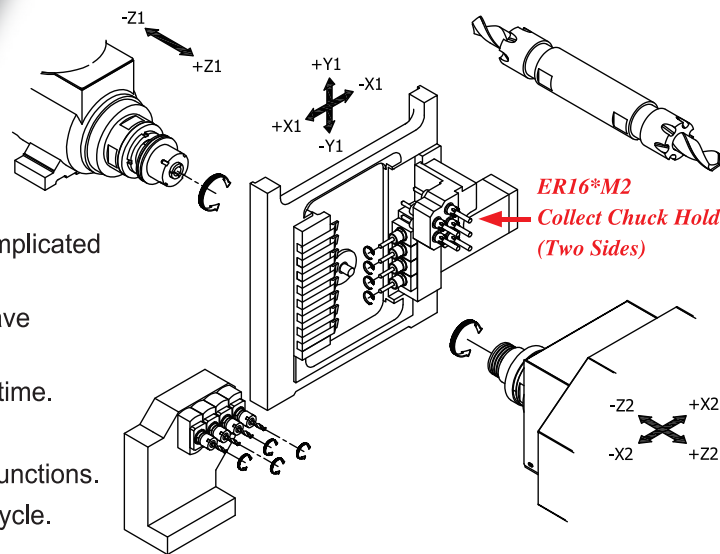
Multi-functional Sliding Head Spindle with Two Channel Controls



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

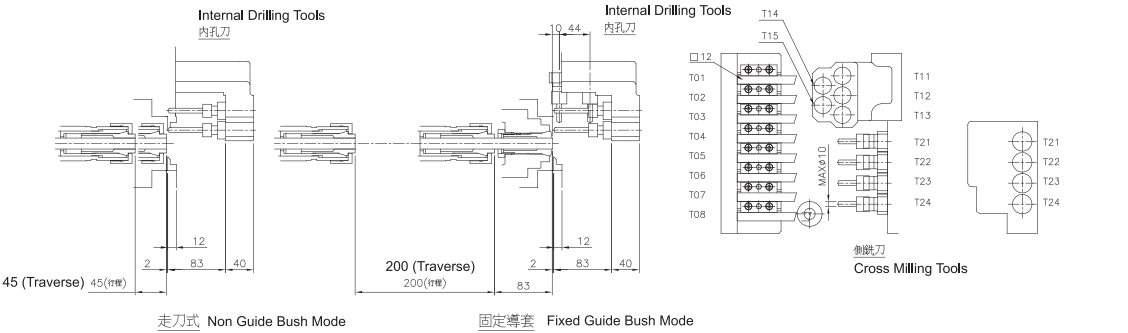
OPTIONAL ACCESSORIES

- 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

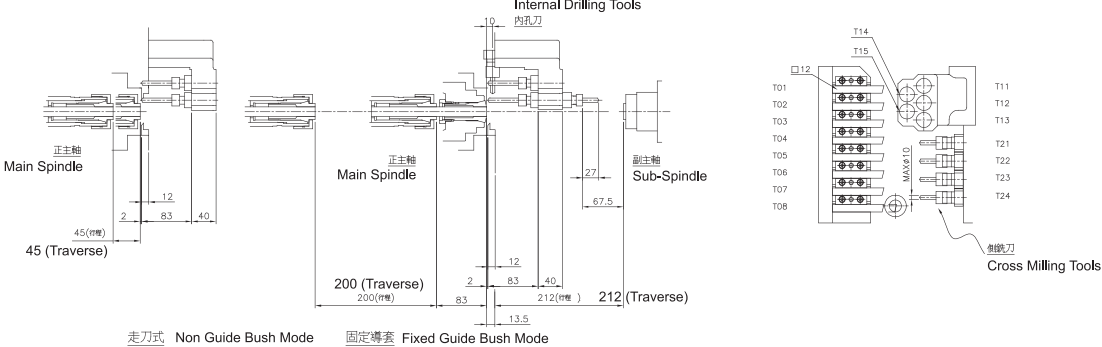
Machining Types

Synchronous Turning	CS Contour Engraving	Cross Drilling / Milling
Synchronous Drilling	Compound Turning	Eccentric Grooving

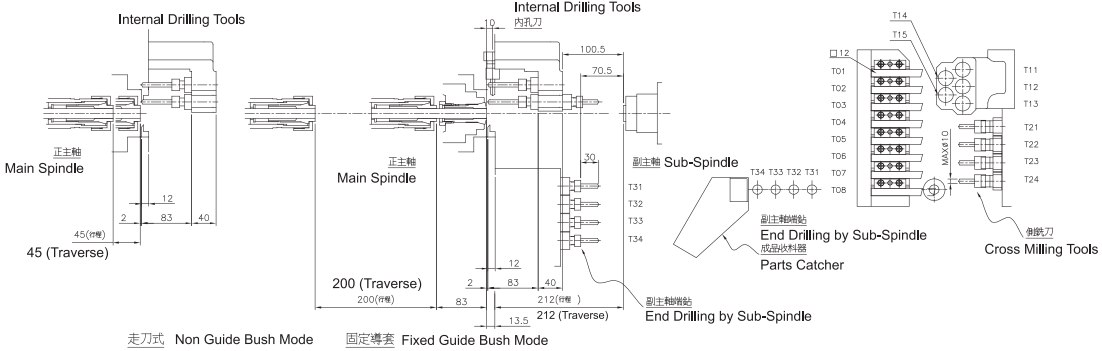
JSL-20A



JSL-20AS

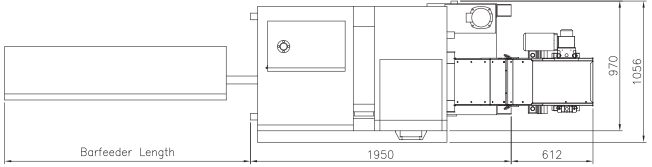


JSL-20AB / 20AST



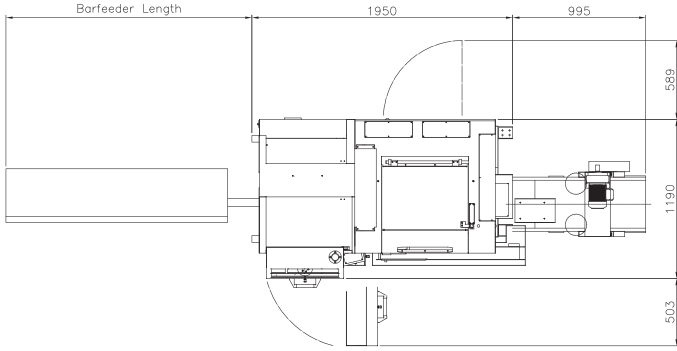
JSL-20A Dimension

Height 1750mm(Door open 1700 mm)



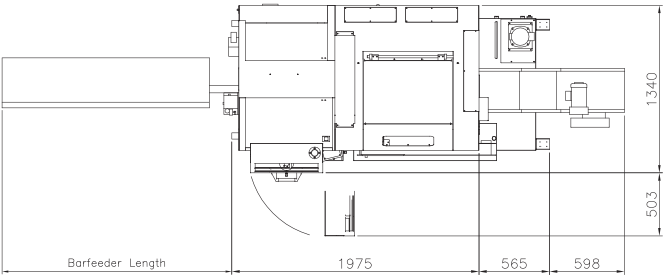
JSL-20AS Dimension

Height 1750mm(Door open 2025mm)

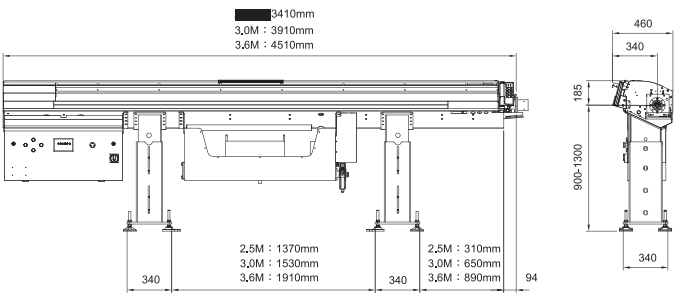


JSL-20AB / 20AST Dimension

Height 1745mm(Door open 2150mm)



BAR FEEDER



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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