

□ Standard Machine Specifications

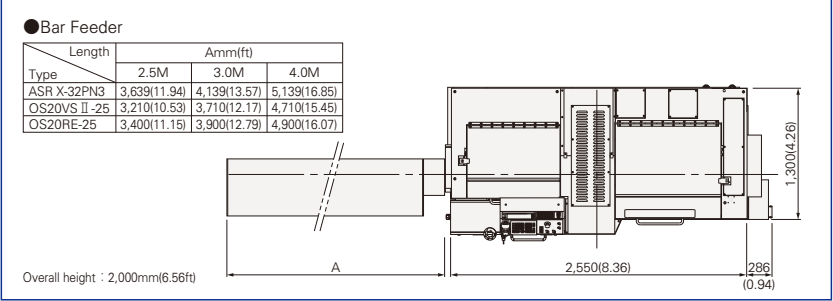
Item		Specifications			
		type S	type G	type E	type C
Max. machining diameter		φ26mm (1-1/64 inch)			
Max. headstock stroke	Standard	260mm(10-15/64 inch)			
	R.M.G.B. unit	223.5mm(8-51/64 inch)			
N.G.B. type		Bar diameter×2.5 (Max.65mm(2-35/64inch))			
Tool		5 tools on the front + 2 tools on the rear (□16mm)			
5-spindle sleeve holder	Number of tools	Front 5 tools			
		Rear 5 tools			
	Max. drilling capability	φ 13mm(33/64 inch)			
	Max. tapping capability	M12×P1.75			
2-spindle sleeve holder	Number of tools	2 tools			
	Max. drilling capability	φ 10mm(25/64 inch)			
	Max. tapping capability	Max.100mm(3-15/16 inch)			
	Tilting head unit	Front 4 tools / Rear 4 tools			
Power driven attachment	Number of tools	B-axis control		Angle adjustable type	
		Front	Cartridge type 4 pos.	Cross milling 4 tools OP : Cartridge type 4 pos.	
	Upper	Cartridge type 1 pos. B-axis control	Cartridge type 2 pos.		
	Max. drilling capability	Tilting head unit	φ 8mm(5/16 inch)		
	Front / Upper	φ 10mm(25/64 inch)			
	Max. tapping capability	Tilting head unit	M8×P1.25		
Front / Upper	M8×P1.25				
Spindle speed		Max.8000min ⁻¹			
Drive motor		2.2kW (CONT.) / 3.0kW (5min / 30%ED)			
Rapid feed rate		36m/min (X1,Y1,Z1,X2,Y2,Z2)			
Main spindle indexing angle		C-axis control			
Main spindle speed		Max.10000min ⁻¹			
Main spindle motor		5.5kW (CONT.) / 7.5kW (10min / 25%ED)			
Coolant tank capability		228 ℓ			
Dimensions(W×D×H)		2550×1300×2000mm			
Weight		3600kg			
Power consumption		11.98kVA		9.58kVA	

□ Backworking Attachment Specifications

Item		Specifications	
Max. chucking diameter		φ 26mm(1-1/64 inch)	
Max. length for front ejection		160mm(6-19/64 inch)	
Max. parts projection length		40mm(1-9/16 inch)	
Back 8-spindle unit	Number of tools	8 tools	
	Max. drilling capability	Stationary tool	φ 13mm(33/64 inch)
	Power driven tool		φ 8mm(5/16 inch)
	Max. tapping capability	Stationary tool	M12×P1.75
		Power driven tool	M6×P1.0
Power driven att. spindle speed		Max.6000min ⁻¹	
Power driven att. spindle motor		1.0kW (CONT.) / 1.2kW (5min / 30%ED)	
Sub spindle indexing angle		C-axis control	
Sub spindle speed		Max.10000min ⁻¹	
Sub spindle motor		3.7kW (CONT.) / 5.5kW (10min / 40%ED)	

□ External Dimensions and Floor Space

unit : mm(ft)



□ Standard Accessories and Functions

- CNC unit
 - FANUC 31i—B5 Plus (type S/G)
 - FANUC 32i—B Plus (type E)
 - FANUC 0i—TF Plus (type C)
- 10.4-inch color LCD display
- Pneumatic unit
- Coolant level detector
- Automatic centralized lubrication unit
- Door Interlock unit with Locking System (except for Europe)
- Door Interlock unit with Individual Coding (only for Europe)
- Cs contour control (Main/Sub)
- Spindle clamp unit (Main/Sub)
- Cooling unit (Main spindle/ Drive unit for gang tool post)
- Revolving guide bush unit
- Drive unit for revolving guide bush
- Air purge unit for revolving guide bush
- Main/Sub collet sleeve
- Gang-type 5 station tool holder □16 mm
- Gang-type 5 station tool holder □16 mm
- 4 Spindle cross drilling unit cartridge (type S)
- 4 Spindle cross drilling unit ER16 (type G/E/C)
- 4 Spindle opposing unit with B axis control function (type S/G/E)
- Angle adjustable 4 spindle opposing unit (type C)
- Second B-axis unit clamp unit (type S)
- 5 spindle sleeve holder
- 2 spindle sleeve holder
- Broken cut-off tool detector
- Back attachment
- 8 spindle back working unit with Y axis control function
- Drive unit for 8 spindle back working unit
- Parts separator
- Parts conveyor
- Sub spindle air purge unit
- Coolant pump 400W ver. (Main/Sub)
- Work light
- Earth leakage breaker

□ Optional Accessories and Functions

- Gang-type tool holder Coolant thru (5 station/2 station)
- 4 Spindle cross drilling unit cartridge (type G/E/C)
- Non-Guide Bush Version
- Revolving magic guide bush unit
- Coolant flow detector
- Coolant flow detector interface
- Coolant pump with de-aeration function
- Coolant chiller
- Water separator
- Beacon
- Beacon interface
- Parts ejector with Spring
- Parts ejection detector
- Parts ejector with air cylinder
- Parts separator unit long parts ver.
- Parts ejector with guide tube
- Parts stopper unit
- Coolant unit (6.9MPa/2.5MPa/0.7MPa)
- Coolant unit signal cable 46 contacts Ver.
- Coolant unit power cable
- Coolant valve
- Coolant piping
- Expanded I/O module unit
- Terminal base
- Reducing valve
- Main spindle inner tube
- Steady rest for feed rod
- Automatic bar feeder interface
- Steady rest unit cover
- Safety cover
- LAN / RS232C interface
- Transformer
- Transformer CE marking version 20kVA
- CE/UKCA marking version

Note)
The machining capacities apply to SUS303 material. The machining capacities may differ from listed values depending on the machining conditions, such as the material to be machined or the tools to be used.

note-1 : ● Measures conforming to ISO standard.
● A-weighted sound pressure is a general assessment standard characteristic that corrected the sound level to human acoustic sense.



CNC SWISS TYPE AUTOMATIC LATHE

SD-26
type S·G·E·C
series



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The SD-26 sliding head lathe, designed to suit the needs of the 26-dia. class.

4 TYPE

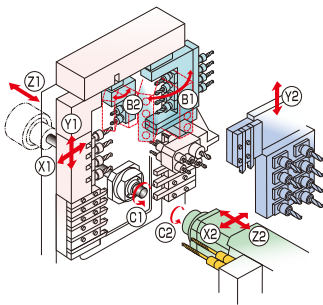
SELECT SYSTEM

Optimal machine rigidity, capability and size for 26-dia. class machining.
A lineup of 4 types that perfectly suit various machining conditions.

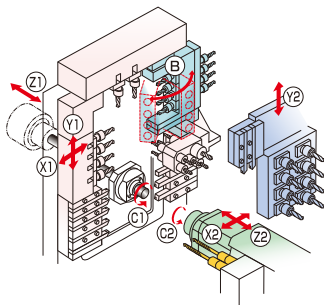


A lineup of 4 models offering optimal tooling for a variety of machining conditions

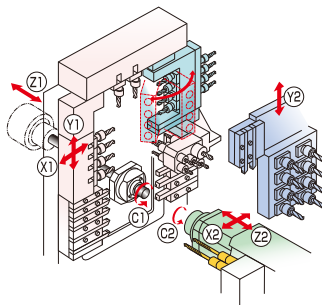
CNC SWISS TYPE AUTOMATIC LATHE equipped with star motion control system	Type S	: Model equipped with double B-axis control (simultaneous 5-axes control)
CNC SWISS TYPE AUTOMATIC LATHE equipped with star motion control system	Type G	: Model equipped with B-axis control (simultaneous 5-axes control)
CNC SWISS TYPE AUTOMATIC LATHE	Type E	: Model equipped with B-axis control (simultaneous 4-axes control)
CNC SWISS TYPE AUTOMATIC LATHE	Type C	: Model equipped with angle adjustable swivel unit



Type S



Type G/E



Type C

Optimised for 26-dia. ① *Design that takes machining capabilities to the limit*

Advanced complex machining with the double B axis (Type S)
A lineup of high functionality models that have two B-axes on a single tool post. Offering advanced complex machining by driving the 4-spindle facing-type swivel unit and the various types of tool units for the B-axis No. 2 that are controlled simultaneously.

Supports external turning on the back side
Two types of tool holder are available as an option for the tool post for back working. Supports external turning needs on the back side in machining large-diameter parts.

Diverse cross-machining
Equipped with a 4-spindle cross drilling unit*1 on the front side of the gang-type tool post, and cartridge-type tool position*2 on the upper section to offer diverse tooling variations.

High-speed rotation of 10,000min⁻¹
Employs main spindle with high speed of max. 10,000min⁻¹. Offering high-speed, high-accuracy large diameter machining through a design with superior balance that prevents spindle runout even for large diameter workpieces.

Supports deep hole drilling
2-spindle sleeve holder arranged alongside the sub spindle, with tools for deep hole machining available. Offers support for deep hole machining of holes with max. diameter of 10mm and depth of 100mm.

Supports high-pressure coolant
Piping options available various types of high-pressure coolant, such as the coolant through-type tool holder. Support for chip removal using a high-pressure coolant pump.

*1. Type S is a cartridge type, Type G/E/C are for cross milling or cartridge type; *2. Type S is a 1 position tool unit for B-axis No. 2. Type G/E/C has 2 positions for existing tool units.

Optimised for 26-dia. ② *Highly rigid and accurate design*

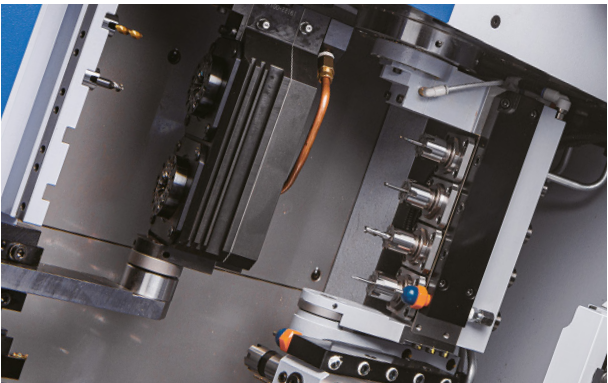
Improved B axis hold rigidity
The 4-spindle facing-type swivel unit employs a structure for holding the upper and lower ends, and employs an upper grade motor and decelerator for B-axis control.

In addition, the Type S B-axis No. 2 side unit is equipped with a brake mechanism to maintain sufficient hold rigidity when using B-axis swivel control.

Dovetail groove guideway on the sliding section
Employs a dovetail groove guideway on the Y2-axis sliding section of the back working tool post. The tool post rigidity has been greatly improved, suppressing vibration and deflection from the cutting load.

Thermal displacement correction function
Temperature sensors are arranged on each section of the machine body, such as on the pedestal. This offers flexible thermal displacement correction based on real-time thermal expansion data that is fed back from the sensors.

Arranged for improved workability of the cutting chamber
The machine structure has been reconfigured, taking into account accessibility to the guide bush and tool post. Improved workability during setup, such as a vertical layout of the spindles on the back working tool post placed at the rear of the cutting chamber.



Built-in spindle
The main and sub spindles employ a built-in spindle structure. The build-in sensor significantly improves spindle indexing accuracy.

Designed for superior workability