

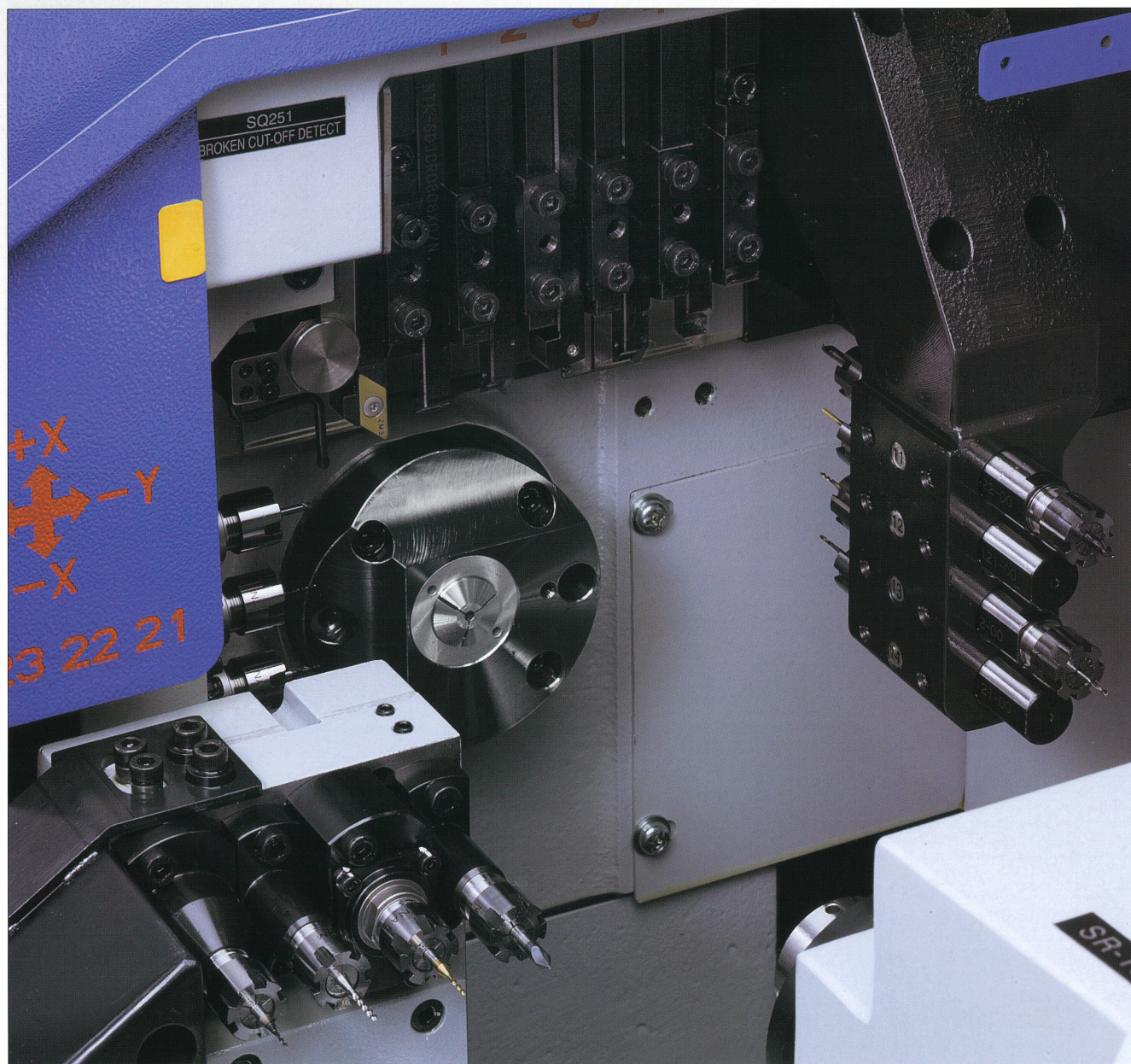


CNC SWISS TYPE AUTOMATIC LATHE 

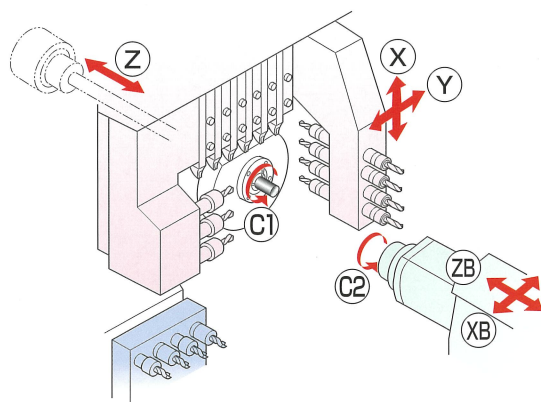
SR-10J type C



Best-Selling Advanced Machine for Small-Diameter Machining with Improved Secondary Machining Performance, Operability and Reliability



01



TOOLING SYSTEM

■ Tool holder	Turning tool	6 tools
■ 4-spindle sleeve holder	Front-end stationary tool	4 tools
	Rear-end stationary tool	4 tools
■ Power-driven tool		3 tools
■ Back 4-spindle unit	Rear-end stationary tool	4 tools
	Rear-end power-driven tool	Max.2 tools



SR-10J type C

CNC SWISS TYPE AUTOMATIC LATHE

An improved form of a machine for machining small-diameter workpieces as a result of reinforced machining performance and operability by employing a sub spindle C-axis control, color display, etc.

1. The sub spindle is equipped with a C-axis control (with clamp) as standard.
2. Incorporation of a 10.4-inch color display eases the use and monitoring of the operation screens.
3. The NC unit is more user-friendly than before thanks to the increased memory capacity and enhanced help functions.
4. The manual pulse generator can be optionally set for setup operation. These features contribute to upgrade operability and machining performance as required from different angles and make this the best-selling series for machining small-diameter workpieces.

High Accuracy

- Rigid tool post with slanted dovetail slideway structure.
- Synchronization of Z/ZB axes and main/sub spindle phases.

High Productivity

- Minimum distance approach thank to the three-sided tool post.
- High-speed feed at 35m/min.
- Overlap machining by tool post especially designed for backworking.

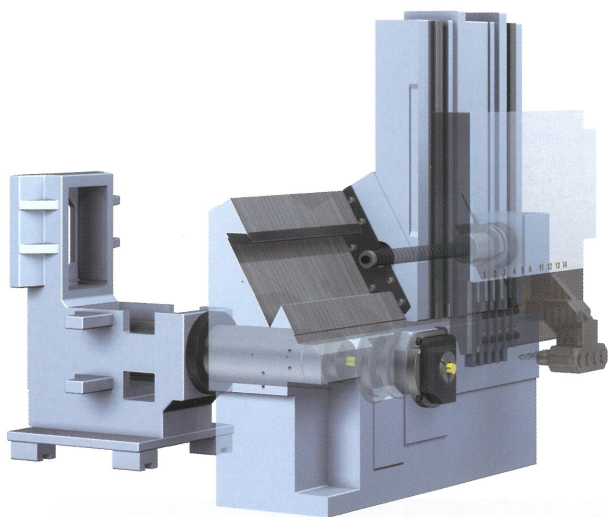
High Functionality

- Main/sub-spindle equipped with C-axis control (with clamp) as standard.
- 3-spindle drill unit for cross drilling mounted.
- Rear-end slitting by tool post designed for backworking. ※

Operability

- Introduction of 10.4-inch color display for user-friendly operation.
- NC unit with increased memory capacity and wider range of help functions.
- Manual pulse generator (optional) for easy set-up operation.

※ Option



Slanted slide guideway structure High rigidity tool post

Traditional High Accuracy Machining by Rigid Design from this Series

The SR-10J type C tool post employs a slant-type slide guideway structure. This enables the construction of the X and Y axes guideways radially around the cutting point to improve machine rigidity. The construction also allows a linear line which passes the ball screw center and forms to be close to the cutting point (Fig. a1 on the right), and reduces the moment load by cutting resistance improves the tool post rigidity in the Y and Z axes directions. The Star original rigid tool post structure allows for an extended tool life and stable accuracy even in continuous machining over time.

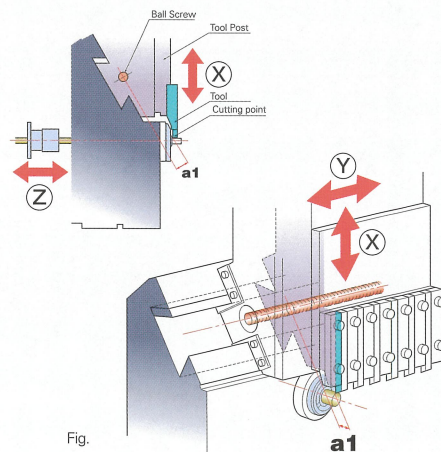
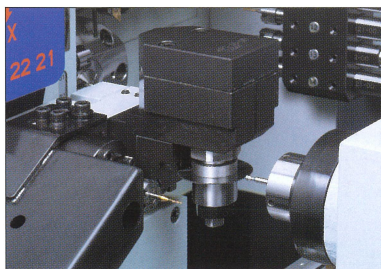


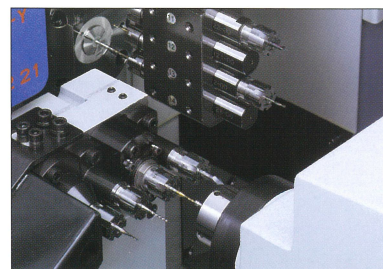
Fig.



Cross drilling



Cross drilling



Cross drilling

□ Standard Machine Specifications

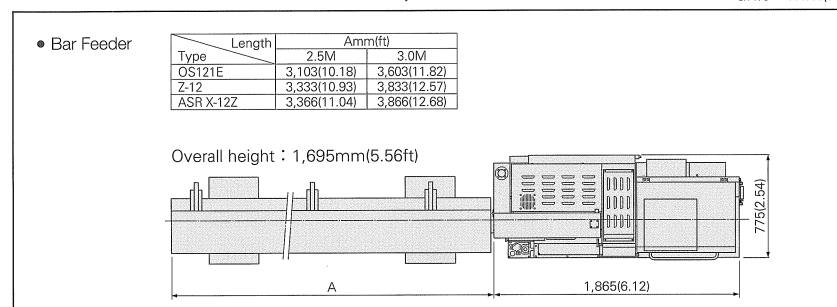
Item		Specifications
Max. machining diameter		φ 10mm(25/64in)
Max. headstock stroke	Standard	135mm(5-5/16in)
	With R.M.G.B. unit	105mm(4-9/64in)
Tool		6 tools(□8mm)
4-Spindle sleeve holder	Number of tools	Front 4 tools
		Rear 4 tools
	Max. drilling capability	φ 6mm(15/64in)
	Max. tapping capability	M5×P0.8
Power driven att.	Number of tools	3 tools
	Max. drilling capability	φ 4mm(5/32in)
	Max. tapping capability	M3×P0.5
	Spindle speed	Max. 10,000min ⁻¹
	Drive motor	0.5kW
Rapid feed rate		35m/min(X,Y,Z,XB,ZB)
Main spindle indexing angle		C-axis control
Main spindle speed		Max. 15,000min ⁻¹
Main spindle motor		2.2kW(continuous)/3.7kW(15min./60%ED)
Coolant tank capacity		89 ℓ
Dimensions (W×D×H)		1,865×775×1,695mm
Weight		1,400kg
Power consumption		3.1kVA
A-weighted sound pressure : note-1		Max. 75dB

□ Backworking Attachment Specifications

Item		Specifications
Max. chucking diameter		φ 10mm(25/64in)
Max. length for front ejection		70mm(2-3/4in)
Max. parts projection length		20mm(25/32in)
Back 4-Spindle unit	Number of tools	Stationary tool : 4 tools/Power driven tool : Max.2 tools
	Max. drilling capability	Stationary tool
		Power driven tool
	Max. tapping capability	Stationary tool
		Power driven tool
Power-driven att. spindle speed		Max. 8,000min ⁻¹
Power-driven att. drive motor		0.5kW
Sub spindle indexing angle		C-axis control
Sub spindle speed		Max. 10,000min ⁻¹
Sub spindle motor		0.55kW(continuous)/1.1kW(15min./50%ED)

□ External Dimensions and Floor Space

unit : mm(ft)



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.

*Design features, specifications and technical execution are subject to change without prior notice.

*This product is an export control item subject to the foreign exchange and foreign trade laws. Thus, before exporting this product, or taking it overseas, contact your STAR MICRONICS dealer.

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