

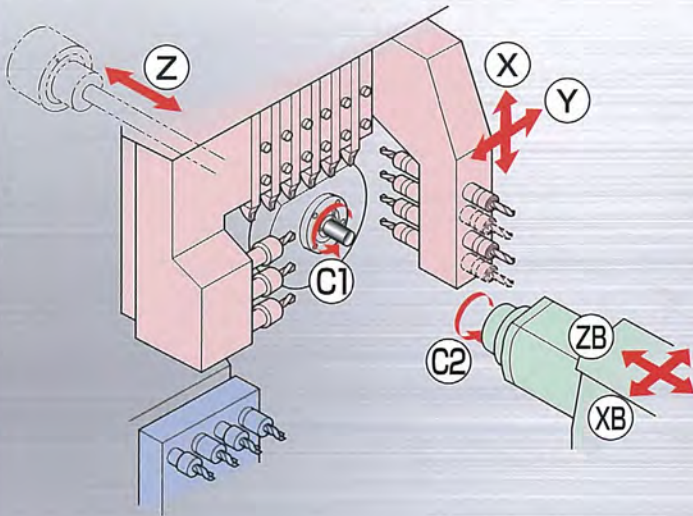
NEW model



CNC SWISS TYPE AUTOMATIC LATHE

SR-10J type C

Type J Never Stops Advancing.



Introducing the Advanced J-series small diameter machining model.

With improved secondary machining capability and operability, the evolutionary advanced SR-10J is now on the market.

Developments SR-10J latest model

- ★ C-axis control (with clamp) is standard equipment for both the main AND sub spindle.
- ★ Operation screen is easy to see/use with its 10.4 inch color display.
- ★ User-friendly NC; upgraded memory capacity, more help functions, etc.
- ★ Standard manual pulse generator that is useful for installation.

Excellent cost performance

High precision

- ★ The rigid tool post is equipped with a slanted sliding guideway.
- ★ Z-ZB synchronization, phase synchronization of the main/sub spindle.

High productivity

- ★ Minimum distance approach with the U-shaped tool post.
- ★ High-speed rapid traverse: 35m/min.
- ★ Tool post for back working only

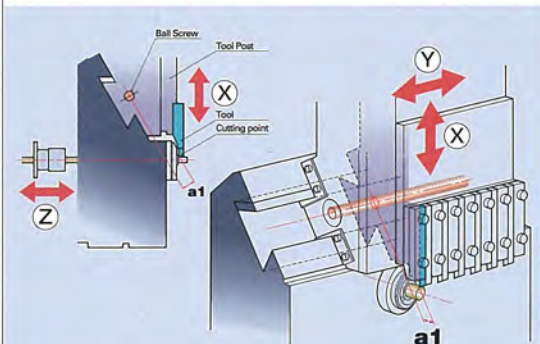
High functionality

- ★ 3-spindle drill unit for cross machining (standard)
- ★ Screw slotting on the rear side with tool post only for back working (optional)

Space saving

- ★ Designed with small footprint of 775mm depth

Rigid tool post with "Slanted dovetail slideway structure"
The tool post with Star's original "Slanted dovetail slideway structure" improves the lifespan of cutting tools and maintains dimensional accuracy during continuous machining for long-periods.



The Y-axis slideway of the tool post incorporates a slanted dovetail structure. The X and Y-axis slideways can be arranged in a pattern close to the cutting point, which improves machine rigidity. In addition, a straight line, passing through the ball screw center which is parallel to the Y-axis slideway and the cutting point are close to each other (a1), reducing the moment load caused by cutting resistance and thereby improving rigidity.

Standard Machine Specifications

Item	Specifications
Max. machining diameter	φ10mm (25/64in)
Max. headstock stroke	Stationary GB 135mm (5-5/16in)
	Revolving GB 105mm (4-9/64in)
Tool	6 tools (□8mm)
4-Spindle sleeve holder	Number of tools
	Front 4 tools
	Rear 4 tools
Max. drilling capability	φ6mm (15/64in)
	Max. tapping capability
Power driven att.	Number of tools
	Max. drilling capability
	Max. tapping capability
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)
Rapid feed rate	35m/min (X, Y, Z, XB, ZB)
Power-driven att. spindle speed	Max. 10,000min ⁻¹
Power-driven att. drive motor	0.5kw
Coolant tank capability	89ℓ
Dimensions (W×D×H)	1,865×775×1,695mm
Center height	1,050mm
Weight	1,400kg
Power consumption	3.1KVA

Backworking Attachment Specifications

Item	Specifications
Max. chucking diameter	φ10mm (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
	Power driven tool
Max. drilling capability	Stationary tool
	Power driven tool
Max. tapping capability	Stationary tool
	Power driven tool
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)

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.

※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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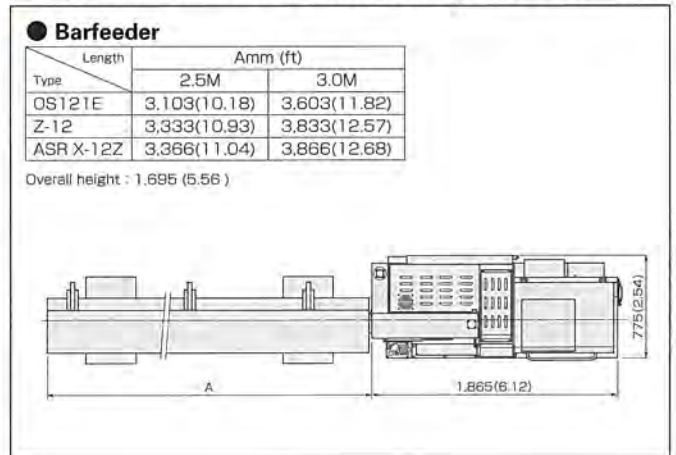
Standard Accessories and Functions

- CNC unit (FANUC 32i-B)
- Cabinet & Operation panel
- 10.4-inch color LCD display
- Manual pulse generator
- Pneumatic unit
- Stand alone type coolant tank
- Coolant level detector (lower limit)
- Automatic centralized lubrication unit (with level detector)
- Door interlock system
- Main collet (select from tooling system)
- Cs contouring control (main/sub spindle)
- Spindle clamp unit (Main/Sub)
- 6-station tool holder (□8mm)
- 4-Spindle sleeve holder
- Drive system for power-driven attachment
- Back working Attachment
- Drive unit for power-driven attachment B
- Sub collet (select from tooling system)
- Sub spindle air purge unit
- Sub spindle air blow unit
- Parts ejection detector
- Broken cutoff tool detector
- Leveling bolt & leveling pad
- Work light
- Leakage breaker (Rated current sensitivity: 30mA)
- Operation tool kit

Optional Accessories and Functions

- Main spindle inner tube 6mm
- Stationary guide bush unit
- Rotary guide bush drive unit
- Rotary magic guide bush unit
- Air purge unit
- Coolant flow detector
- Automatic barfeeder interface
- Water removal unit
- Tool for maintenance
- 4-Spindle unit for back working (For stationary tools at back)
- Parts separator unit A
- Transformer CE marking specifications
- Parts conveyor
- Compliant with the RS-232C interface
- Warning light

External Dimensions and Floor Space unit : mm(ft)



<http://www.star-m.jp/eng/>