NEW model

CNC SWISS TYPE AUTOMATIC LATHE

SR-38J

Large Diameter

SR-38J, The Model Focused on the Basic Performance of Multi-Processing

Taking aim at the multi-processing of large diameter workpieces, SR-38J comes with selected functions to meet various process needs with scalability.

Functions and Processing Capabilities

Portal-Type Tool Post for Extendable Tool Mounting Capacity
The portal-type tool post gives high extensibility of mountable tools for front-side machining to facilitate flexible tooling.

Extendable Cartridge Position
Mounting various tool units enables multiple processes such as cross-milling, front-drilling, and polygon machining. An optional cartridge position extension unit (2 positions) allows even more advanced tooling configuration such as slotting or thread whirling (see below).

Hydraulic Main Spindle Chuck
TA rotary cylinder ensures stable gripping force for main spindle collet opening and closing.

G.B. and N.G.B. Switchability for Various Shape of Workpieces
Switching between guide bush (G.B.) and non-guide bush (N.G.B.) modes facilitates machining optimization for various length of workpieces.

High Rigidity and High Accuracy

Spindle Head Slide Guideway Structure for High Rigidity
Non-guide bush mode utilizes the spindle head slide guideway structure to ensure the rigidity of the main spindle.

Built-in Spindles for High Indexing Accuracy
Both the main and sub spindles each use a built-in motor to improve indexing accuracy.

Operability and Workability

Movable Control Panel for Good Operability
A movable control panel facilitates operation at the optimum position all the time.

Flip-up Doors to Provide Sufficient Work Space
The headstock chamber and cutting chamber use flip-up doors to provide wide opening and ample workspace.

Extendable Tooling Configuration

1. Basic Configuration
2. + 3-Tool Holder + Tool Unit A (1 cartridge position)
3. + 3-Tool Holder + Cartridge Position Extension Unit (2 cartridge positions) + Tool Unit A & B

Tool Unit A
Milling Unit, 2-spindle Opposing Type Face Drilling Unit, Polygon Machining Unit, 2-spindle Sleeve Holder

Tool Unit B
Slotting Unit, Thread Whirling Unit

Mounting slotting unit and thread whirling unit requires the cartridge position extension unit.
### Standard Machine Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. machining diameter</td>
<td>Ø38mm(1-1/2in)</td>
</tr>
<tr>
<td>Non-guide bush type</td>
<td>Ø42mm(1-1/2in)</td>
</tr>
<tr>
<td>Max. headstock stroke</td>
<td>320mm(12-1/2in)</td>
</tr>
<tr>
<td>With R.M.G.B. unit</td>
<td>288mm(11-2/3in)</td>
</tr>
<tr>
<td>Non-guide bush type</td>
<td>Ø38mm(1-1/2in)</td>
</tr>
<tr>
<td>Tool</td>
<td>5 tools on the front+2 tools on the rear+3 tools on the front : OP</td>
</tr>
</tbody>
</table>

#### Backworking Attachment Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. chucking diameter</td>
<td>Ø38mm(1-1/2in)</td>
</tr>
<tr>
<td>Max. length for front ejection</td>
<td>150mm(5-11/16in)</td>
</tr>
<tr>
<td>Max. parts projection length</td>
<td>70mm(2-3/4in)</td>
</tr>
<tr>
<td>Number of tools</td>
<td>4 tools</td>
</tr>
<tr>
<td>Stationary tool</td>
<td>Max. Ø14mm(5/8in)</td>
</tr>
<tr>
<td>Power driven tool</td>
<td>Ø6mm(1/4in)</td>
</tr>
<tr>
<td>Stationary tool</td>
<td>Max. Ø11mm(7/16in)</td>
</tr>
<tr>
<td>Power driven tool</td>
<td>Ø6×P1.0</td>
</tr>
<tr>
<td>Power-driven att. drive motor</td>
<td>1.0kW(Continuous)/1.2kW(10min./30%ED)</td>
</tr>
<tr>
<td>Sub spindle</td>
<td>Max. Ø7,000/min</td>
</tr>
<tr>
<td>Sub spindle indexing angle</td>
<td>C-axis control</td>
</tr>
<tr>
<td>Sub spindle speed</td>
<td>Max. 600mm/min</td>
</tr>
<tr>
<td>A-weighted sound pressure : note-1</td>
<td>Max. 74.0dB</td>
</tr>
</tbody>
</table>

### External Dimensions

#### Barfeeder

<table>
<thead>
<tr>
<th>Length</th>
<th>Max. dia.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,740mm</td>
<td>198 (7-51/64in)</td>
</tr>
<tr>
<td>2,120mm</td>
<td>139 (5-15/32in)</td>
</tr>
</tbody>
</table>

Overall height : 2,120mm (6.95ft)

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**Note:**
- The machinable materials are specified for SUS303 material. The machinable 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 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**

1. CNC unit FANUC 0i-TC
2. Operation panel 10.4-inch color LCD display
3. Manual pulse generator
4. Pneumatic unit
5. Hydraulic unit
6. Automatic centralization lubrication unit
7. Coolant level detector
8. Door interlock system
9. Broken cutoff tool detector
10. Drive unit for revolving guide bush
11. Revolving guide bush unit
12. Air purger unit for revolving guide bush
13. Main / Sub collet
14. Spindle clamp unit (main/sub)
15. 5-station tool holder (Ø6/20mm)
16. 2 tool holder (Ø16mm)
17. 5-spindle sleeve holder
18. Drive unit for power-driven (Gang type tool post: Including 3 cross milling tools)
19. Cs contouring control (Main / Sub)
20. Spindle cooling unit
21. Air purger unit for sub spindle
22. Back 4-Spindle unit
23. Work light
24. Leakage breaker

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**Optional Accessories and Functions**

1. Coolant flow detector
2. Parts ejection detector
3. Water removal unit
4. Oil mist filter
5. Beacon
6. Chip conveyor
7. Rotary magic guide bush unit
8. For pneumatic unit rotary magic guide bush
9. Non-guide bush type
10. Main spindle inner tube
11. Parts ejector (Air cylinder type)
12. Parts ejector (Spring type)
13. Parts ejector with guide tube
14. Parts stopper unit
15. Parts conveyor
16. Drive unit for power-driven B (4-spindle backworking unit)
17. Coolant tank large capacity type
18. Coolant unit (6.9MPa / 2.5MPa / 0.7MPa)
19. Coolant unit signal cable
20. Coolant unit power cable
21. Coolant valve (6.9MPa / 2.5MPa)
22. Coolant piping
23. Coolant cooling unit
24. Automatic bar feeder interface
25. Compliant with the RS-232C interface
26. LAN interface
27. Transformer CE marking version
28. Transformer CE marking cable
29. CE marking version

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