Once SANCO Value Forever
SVW series

Best Research & Development Team.
Strict Quality Control, High Production Efficiency.

Box structure with enhanced rib design, ensure high stability and rigidity of machine.
Working table fully supported by linear guide ways with NO overhanging.

The gear-driven spindle with two-step gear box.
Low gear provide high torque, good for heavy cutting.
High gear improves machining accuracy.
Spindle transmitted by two steps gear box.

Best span design on Y-axis.

Magazine equipped with 24 tools as standard. The max. tool dia. 200mm (no adjacent tool)

Working table after in-situ milling, effectively improve stability and processing accuracy.

X/ Y/ Z axis utilize high rigidity linear guide ways, provide high speed and high precision.

Z axis uses high rigidity roller type linear guide ways, effectively support heavy cutting.

Slide way makes good use of FEM analysis, provide Ram high rigidity support.

Three axes use high precision ball screw with pretension. OPT : Ball screw cooling system could efficiently limit temperature rise, improve high precision and stability.

Standard spindle: 6000 rpm
OPT : Direct-Driven spindle 10,000rpm (without gear box).

Three axes and ram use Meehanite cast iron, ensure the greatest machining stability and high precision.
Optional accessories

Direct-Driven Spindle
- Available for high speed cutting
- BT/ DIN/ CAT 50
  - Optional: 8000 with ZF gear box
  - 10000 rpm without gear box
- BT/ DIN/ CAT/ HSK 40
  - Optional: 8000/ 10000/ 12000/ 15000 rpm

Milling head (opt.)

90° angular milling head
- 2000/3500 rpm
- Manual positioning & Automatic positioning

90° angular extended head
- 800rpm or 3500rpm

Extended milling head
- 3500rpm

Fanuc 0i-M With 10.4” screen (Standard)
- Optional:
  1. Fanuc 32i-M/ 31i-M
  2. Meldas/M70/ M700
  3. Siemens (828D/840DSL)
  4. Heidenhain (TNC 530)

Vertical Chain Type ATC (Optional)
- Arm type
- Bi-directional, random tool selection
- 32 or 40 tools

Multi angular manual head
- 1200rpm or 3500rpm
- CTS available (optional)

Manual Universal Milling Head
- 2500rpm or 3500rpm
- Hydraulic tool clamping
- CTS available (optional)

Automatic Vertical & Horizontal Milling Head
- A/C Axis 5” positioning
- 3500rpm
- Hydraulic tool clamping/ unclamping
- CTS available (optional)

Pendant Control Panel (Optional)

CNC Rotary Table
- ø400mm, ø500mm
- ø630mm, ø800m.

Manual Tailstock
### Spindle Motor Output Power Chart

**Highest Torque Spindle FANUC**

STD.

- Spindle Motor (18.5/15kW), 4000rpm, Gear Box
- Spindle Motor (18.5/15kW), 6000rpm, Gear Box

OPT.

- Spindle Motor (26/22 kW), 4000rpm, Gear Box
- Spindle Motor (26/22 kW), 6000rpm, Gear Box

**Highest Speed Spindle FANUC**

- Belt Type with Z.F. 8000RPM
- Direct-Driven 8000RPM
- Direct-Driven 10000RPM

- Spindle Motor (18.5/15kW)
- Spindle Motor (18.5/15kW)
- Spindle Motor (18.5/15kW)

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### Working Area

- Model
  - SVW-2217: 1600
  - SVW-3217: 1600
  - SVW-3222: 2100

- A-Y Axis working travel
  - SVW-2217: 600
  - SVW-3217: 1000
  - SVW-3222: 800

- B-Z Axis working travel
  - SVW-2217: 1000
  - SVW-3217: 800
  - SVW-3222: 1000

- C-Spindle Nose to Table Top
  - SVW-2217: 240
  - SVW-3217: 240
  - SVW-3222: 240

- D-X Axis working travel
  - SVW-2217: 2200
  - SVW-3217: 3200
  - SVW-3222: 3200

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### The Working Area With 90° Degree Milling Head

- Model
  - SVW-2217: 1182
  - SVW-3217: 1182
  - SVW-3222: 1682

- A-Y working travel (With 90° angular head)
  - SVW-2217: 680
  - SVW-3217: 680
  - SVW-3222: 134

- B-Z Axis working travel
  - SVW-2217: 1782
  - SVW-3217: 2782
  - SVW-3222: 2782

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*Above Torque Chart is for BT/CA/DTN 50*
### Machine Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>SVW-2217</th>
<th>SVW-3217</th>
<th>SVW-3222</th>
</tr>
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<tbody>
<tr>
<td><strong>TABLE</strong></td>
<td></td>
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<tr>
<td>Overall Size</td>
<td>mm</td>
<td>2000×1400</td>
<td>3000×1400</td>
<td>3000×1800</td>
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<tr>
<td>T Slots</td>
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<td>Max. Loading</td>
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<tr>
<td><strong>TRAVEL</strong></td>
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<tr>
<td>X Axis</td>
<td>mm</td>
<td>2200</td>
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<tr>
<td>Y Axis</td>
<td>mm</td>
<td>1800</td>
<td>2100</td>
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<tr>
<td>Z Axis</td>
<td>mm</td>
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<tr>
<td><strong>DISTANCE</strong></td>
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<tr>
<td>Between Two Columns</td>
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<tr>
<td>Spindle Nose To Table Top</td>
<td>mm</td>
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<td>240-1240</td>
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<td><strong>SPINDLE</strong></td>
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<tr>
<td>Taper</td>
<td>BT / DIN / CAT 50</td>
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<tr>
<td>Speed</td>
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<td>6000 (4000)</td>
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<tr>
<td>Motor (Fanuc, Mitsubishi)(30min/cont)</td>
<td>kW</td>
<td>18.5/15 (26/22)</td>
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<td><strong>FEED RATE: X / Y / Z</strong></td>
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<td>Cutting Feedrate</td>
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<td>Rapid Feed rate X / Y / Z</td>
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<tr>
<td>Max. Dia of Tool</td>
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<td>ø110 with Adj Tool ø200 without Adj Tool</td>
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<tr>
<td>Hydraulics Required</td>
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<td>Controller</td>
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<td>FANUC Oi-M (32i-M / 31i-M)</td>
<td>MELDAS/M70/90/700/SIEMENS D400SL/820D</td>
<td>HEIDENHAIN (TNC 530)</td>
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</tbody>
</table>

**Optional Accessories**

- Auxiliary work table
- NC rotary table
- Auto Tool Change (32/40/60 Tools)
- Tool presetter (T5-27)
- Tool length measurement (diameter as well)
- Workpiece coordinate measuring (RPM-60)
- Milling head
- Linear scale feedback
- Coolant through spindle
- Oil tank device
- Cutting coolant with mist device
- Air conditioner at cabinet
- Auto heat compensation
- DNC communication package
- Inner cooling ball screw

*Values in brackets ( ) are optional.*