

SUGINO

self-center® H11

Multi-face is made possible.

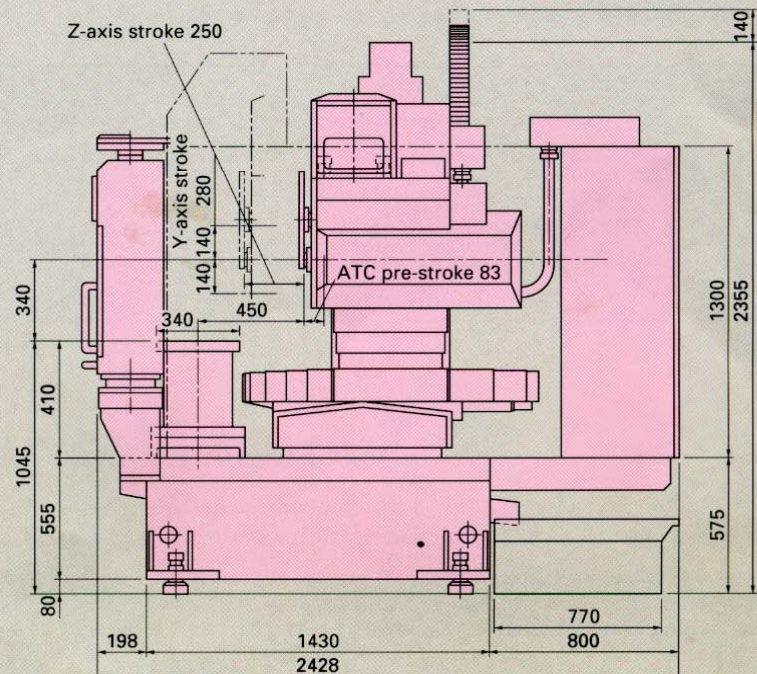
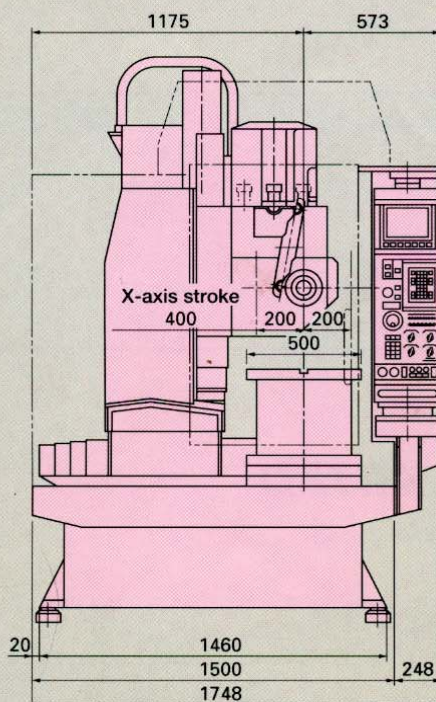
Features

1. Traversing column machine to make fixturing simple.
2. High-speed 11 station ATC with random selection of tools in 1 second.
3. High speed spindle 13,000 rpm.
4. Rapid feed rate 30 meters/min on all axes.
5. Load/Unload time incorporated within machining cycle by turn table.



MODEL SCH-1122

Dimensions(SCH-1122)



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Specifications of Model SCH-1122

| Specifications | | Model | SCH-1122 Standard Specifications | SCH-1122TE Turn Table | |
|------------------------|--|------------------------------|--|--------------------------|--|
| Stroke | X-axis (mm) | | 400 | | |
| | Y-axis (mm) | | 280 | | |
| | Z-axis (mm) | | 333(ATC pre-stroke 83mm included) | | |
| Table | Stationary table (mm) | | 340×500 | — | |
| | T-grooved subtable (mm) | | 300×600×50 (option) | — | |
| | Turn table (mm) | | — | φ750 | |
| | Allowable weight (kg) | | 300 | One Side 25, 50(Option) | |
| | Distance from table center to gauge line of spindle (mm) | | 480 | 430 | |
| Spindle | Spindle taper | | NT30 | | |
| | Standard specifications | | 13,000 rpm. 2.2 kW continuous rated (3.7 kW 15 min. rated) | | |
| | High torque spec. | | 8,000 rpm. 3.7 kW continuous rated (5.5 kW 30 min. rated) | | |
| Feed X-, Y-, Z-axis | Rapid feed (m/min.) | | 30 | | |
| | Cutting feed (m/min.) | | 15 | | |
| | Minimum programmable unit (mm) | | 0.001 | | |
| Accuracy | Positioning (mm) | | ±0.006 (in full stroke) | | |
| | Repeatability (mm) | | ±0.003 (each axis) | | |
| ATC | Tool-to-tool (sec.) | | 1.0 | | |
| | No. of tools | | 11 | | |
| | Tool shank | | BT30 (Pull stud type II) | | |
| | Tool dimensions (mm) | | φ70×200L | | |
| | Tool weight (kgf) | | 1.5 | | |
| | Mode of operation | | Cam driven, memory random, changeable at any place | | |
| Machine | Dimensions (mm) | Width | 1,753 | 2,030 | |
| | | Length | 2,428 | 2,588 | |
| | | Height | 2,495 | 2,495 | |
| | Weight (kgf) | | 2,800 | 3,700 | |
| Power Source | Power supply | | AC200V±10%, 50/60Hz | | |
| | Power capability (kVA) | | Max.18 | | |
| | Air pressure (kgf/cm ² G) | | 4-6 | | |
| | Air consumption (NI/min.) | | MAX.90 | MAX.100 | |
| | | | | | |
| Machining Capability | Drilling | 13,000 rpm 2.2 kW (Standard) | ADC... φ16, FC20... φ14, S45C... φ12 | | |
| | | 8,000 rpm 3.7 kW (Option) | ADC... φ24, FC20... φ19, S45C... φ16 | | |
| | Tapping | 13,000 rpm 2.2 kW (Standard) | ADC... M14, FC20... M12, S45C... M10 | | |
| | | 8,000 rpm 3.7 kW (Option) | ADC... M22, FC20... M16, S45C... M16 | | |
| | Facing | 13,000 rpm 2.2 kW (Standard) | ADC... 160, FC20... 50, S45C... 20 | | |
| | | 8,000 rpm 3.7 kW (Option) | ADC... 200, FC20... 60, S45C... 35 | | |

Note 1. Standard color/Bed: dark gray (Mansel N 3.0) Splash guard: white
Front door: royal blue

Note 2. An automatic lubrication is equipped as the standard equipment.

Note 3. High speed synchronized tapping is possible up to max. 4,000 rpm.

Note 4. The dimensions or weight of the tool depend on its shape and center of gravity.
Therefore, the values in this table should be used for reference.

| CNC Equipment | FANUC 18-MC | | |
|----------------|--|---|---|
| Standard Spec. | <input type="checkbox"/> Simultaneous 3-axis control | <input type="checkbox"/> Background editing | <input type="checkbox"/> No. of tools subject to compensations:64 |
| | <input type="checkbox"/> Synchronized tapping | <input type="checkbox"/> Expanded tape memory editing | <input type="checkbox"/> Measurement of tool length |
| | <input type="checkbox"/> Tape memory length: 40 M | <input type="checkbox"/> Program re-start | <input type="checkbox"/> Work coordinate system: G54-G59 |
| | <input type="checkbox"/> Registered program: 63 | <input type="checkbox"/> Canned cycle | <input type="checkbox"/> Self-diagnosis function, etc. |
| Option | <input type="checkbox"/> Additional 1-axis control: B-axis | <input type="checkbox"/> Tape memory length: 80/160/320 m | <input type="checkbox"/> Scaling, coordinate system rotation |
| | <input type="checkbox"/> Helical interpolation | <input type="checkbox"/> No. of tools subject to compensations:99 | <input type="checkbox"/> Automatic power Off, etc. |

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