

SMEC MCV 5500 L



Type: Vertical machining center Vertical

Brand: SMEC

Model: MCV 5500 L

C.N.C: Fanuc 0iTF PLUS

Technical information

TABLE

Table dimensions: 1400x450 mm

Max table load: 800 kg

TURNING CAPACITY

Longitudinal X-travel: 1250 mm

Cross Y-travel: 550 mm

Vertical Z-travel: 520 mm

SPINDLE

Spindle nose: 40 ISO

Spindle speed: 12.000 giri/min.

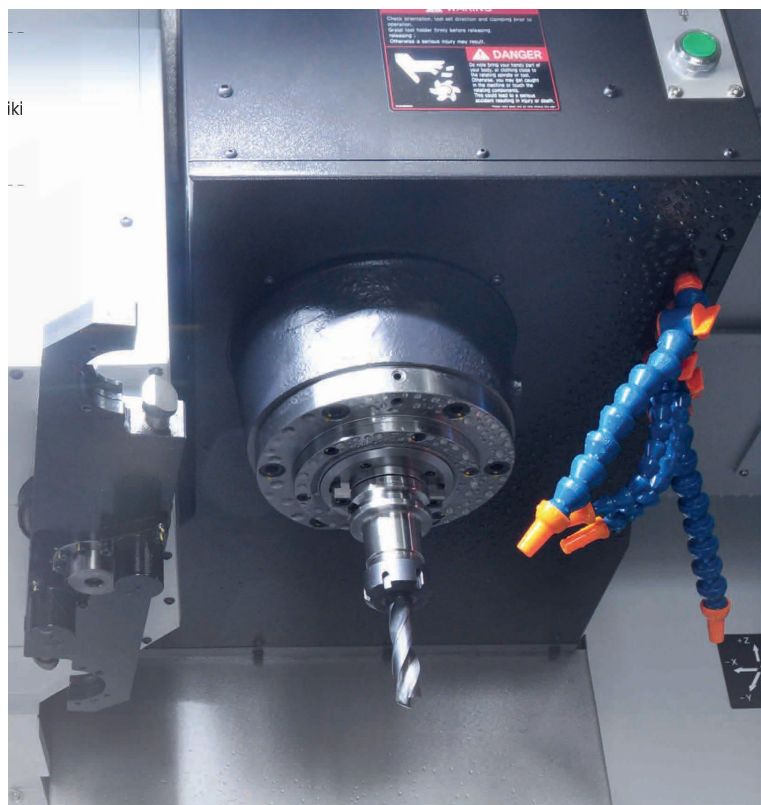
Motor power: 11-15 Kw

FEED RATES

Rapid feedrate axis X,Y,Z: 30.000 mm/min

TOOL MAGAZINE

Tools holder: 30 nr.



Main spindle cooling method

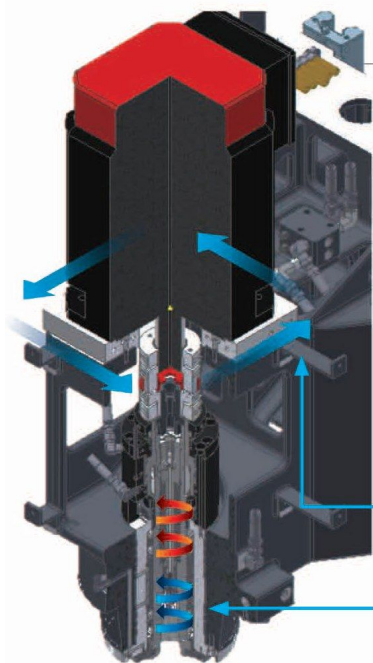
Adopting semipermanent Grease lubrication system on bearing, minimize thermal displacement by Jacket circulation cooling through Fan Cooler on bearing housing, showing stable performance to take longer spindle life time.

Minimize thermal displacement by standard spindle motor base cooling system.

By adopting main and Z, W axis motor base cooling as standard minimize thermal displacement on Y/Z axis.

Spindle motor base
cooling(Direct)

Spindle in&out circulation
cooling structure



Direct drive

To provide powerful cutting and low vibration we adjust direct spindle with 12,000rpm is offered as an option.
Standard motor base cooling is provided as well as head spindle to realize high precision machining.

Spindle Speed
12,000 rpm

Spindle Motor
11/15/18.5 kW



Roller type LM guide way ②

The use of LM Guides with superb responsiveness has increased rapid traverse speeds and reduced non-cutting time while minimizing noise during travel.

- Strengthen speed, rigidity, and durability
- Much better durability compared with Ball LM Guide to realize precision moving and longer life time

