Macchine Utensili S.r.l.

PDF updated on: 15/11/2026

SMEC MCV 5500 L



Type: Vertical machining center Vertical

Brand: SMEC

Model: MCV 5500 L

C.N.C: Fanuc 0iTF PLUS

GMV Macchine Utensili s.r.l.
Via G. Paglia, 9 - 24050 Zanica (BG) IT - Tel. +39 035 591673 - Fax +39 035 593245
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Technical information

TABLE

Table dimensions: 1400x450 mm
Max weight allowed: 800 kg

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

ADVANCES

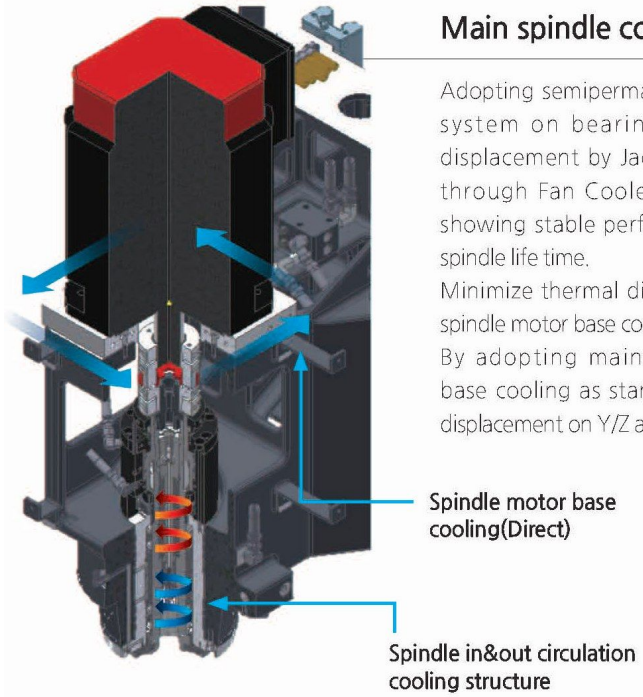
Rapid X,Y,Z axis: 30.000 mm/min

TOOL WAREHOUSE

Tool Stations: 30 nr.

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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

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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

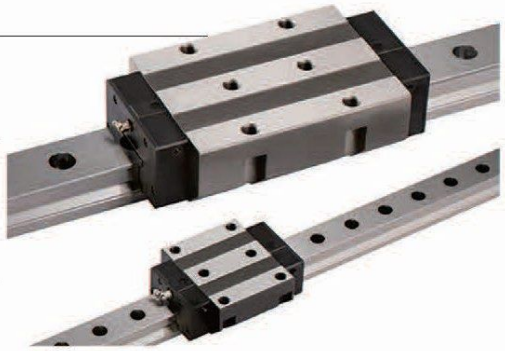


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Roller type LM guide way ②

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



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