MICRO DYNAMICS - TERA 50V/50

Manufacturer: **MICRO DYNAMICS**

Type: **TERA 50V/50**

Description:

TERA 50V/50

Heavy-Duty 50-Taper Vertical Machining Center

The **TERA 50V/50** is built for high-torque, heavy material removal, combining a large machining envelope with a powerful **50-taper built-in spindle**.

- **Travel X / Y / Z:** 1,270 / 710 / 635 mm
- **Table:** 1,420 × 700 mm
- **Maximum table load:** 1,500 kg
- **Spindle:** 12,000 rpm
- **Power / Torque:** 34 kW / 570 Nm
- **Spindle taper:** BBT50 / DIN50 / CAT50 / HSK-A100
- **Spindle clamping force:** 2,100 kgf
- **Rapid feed X / Y / Z:** 52 / 52 / 32 m/min
- **Cutting feed:** 20 m/min
- **ATC:** 32 tools, bi-directional / random
- **Maximum tool weight:** 15 kg
- **Machine weight:** approx. 9,600 kg
- **Footprint:** approx. 3,904 × 2,936 mm
- **Positioning accuracy:** 0.005 mm
- **Repeatability:** ±0.0025 mm

Featuring **FC300 Meehanite castings**, a high-torque 50-taper built-in spindle and **DYPEC thermal compensation**, the TERA 50V/50 is designed for **heavy roughing, large components and difficult materials such as tool steel, titanium and nickel-based alloys**.

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