

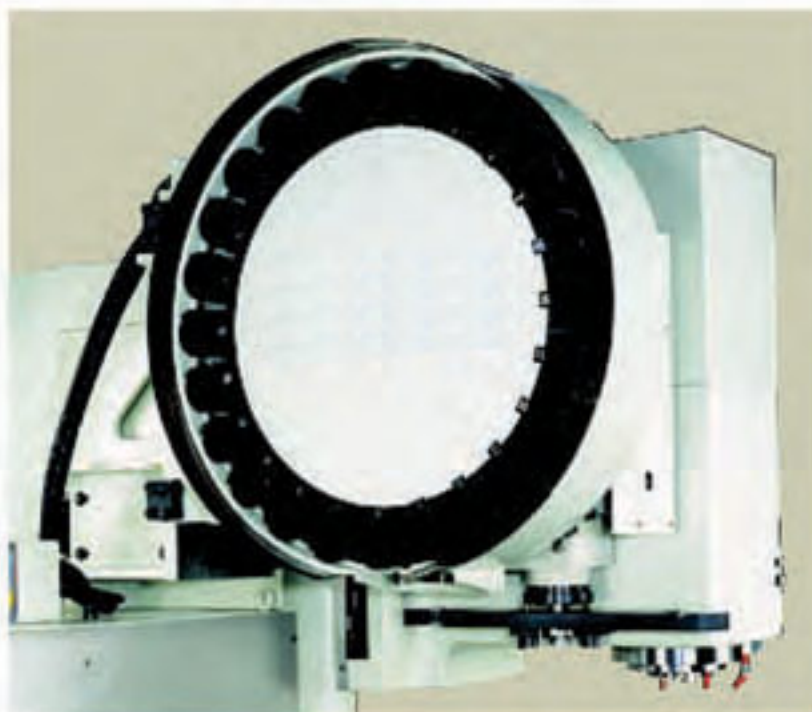
▲ CARTRIDGE SPINDLE

- BT40 Spindle Set: 8000 RPM•Option: 10,000 RPM
- BT50 Spindle Set: 4000 RPM•2 step gear drive
- Well balanced, rigid and easy maintenance, which is built in temperature controlled environment. Spindle, bearings, housing and spacer is individually selected in-house before put it together. Each unit is running test to ensure performance and accuracy before being assembled into the machine



▶ MAIN CONSTRUCTION

- The main structural components (machine base, column, and saddle) with heavy triangular webbing throughout for maximum rigidity and vibration damping. This support structure prevents deformation of the slideways, distributes the weight of heavy workpieces, and maximizes metal removal rates.
- The extra-wide base and saddle, with four (4) box type ways eliminate overhang on both ends of table travel.
- Large cross-section box ways on all three axes are induction hardened and precision ground. Mating surfaces are Turcite-B costed for very low stick slip, providing better acceleration, smoother motion, and low vibration.



▶ TRANSMISSION SYSTEM

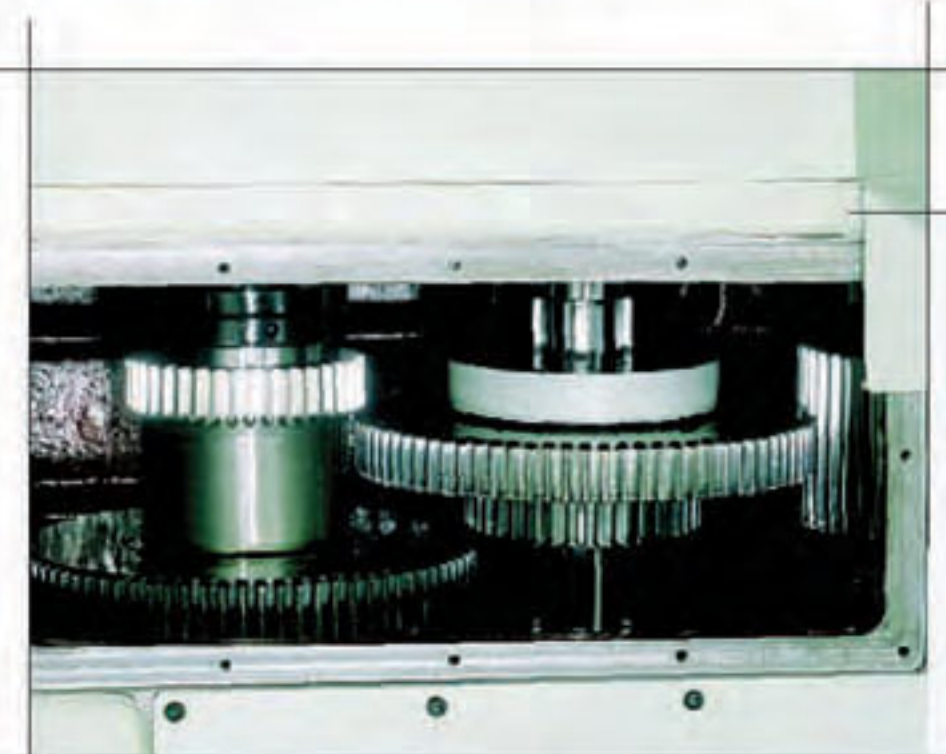
- Transmission system with 1:4 gear ratio allowing low speed heavy duty cutting and high speed machining.

▶ HEAVY LOAD TABLE

- High rigid-design structure,
MCV 1300 is with max. loading 1,300 kgs
MCV 1500 is with max. loading 1,500 kgs

▶ AUTOMATIC TOOL CHANGER

- The Arm type transmission mechanism provides rapid, stable and reliable tool change, also it is controlled by PLC software for quicker tool selection to reduce non-cutting time.
- BT 40 Spindle Set: Standard capacity is 20 tools•Optional with Arm-type 24 or 32 tools
- BT 50 Spindle Set: Standard capacity is Arm Type 24 tools• Optional 32 tools.



▲ CHIP FLUSH SYSTEM

A simple but efficient removal mechanism could be easily conveying chips outside the machine.