

NC Milling Heads

MH-series

**NC MILLING HEADS FOR 5-FACE · 5-AXIS MACHINING
PROVIDE HIGH-SPEED, HIGH-PRECISION AND HIGH-QUALITY**

The NC Milling Heads make their debut, applying TSUDAKOMA's technology derived from long experience of NC Rotary Tables. Compact type in thorough pursuit of the most ideal size for a machine tool. Full lineup to match broad needs for 5-face · 5-axis machining.



MHFD-40, S17H, C380

HIGH-SPEED AND HIGH-PERFORMANCE SPINDLES

Max. speed of $17,000\text{min}^{-1}$ (MHS-4017H) is realized, employing a built-in motor and grease sealed bearings under the pressure-preloaded system. It assures the lineup of various spindles which correspond to low-speed heavy-duty cutting as well as high-speed machining.

HIGH-SPEED

Using DD motors for A(B)-axis and C-axis, it attains high-speed indexing. In case of worm gear system, the original " special double-lead worm gear system with full-depth teeth", which is superb in torque transfer efficiency, is adopted. And the gear reduction ratio is also optimized to realize high-speed indexing. The cycle time of machining can be improved.

COMPACT AND HIGH-ACCURACY

By extremely minimizing the size of the products, light weight can be realized. (MHFD-40, S17H, C380) Compact and high-accuracy unit by adopting a strong mono-block trunnion body. Employing highly-rigid bearings, it contributes to the improvement of quality for continuous machining.