TTC100 Cable tool setter

Composition of tool setter

TTC100 cable tool setter consists of a hardware and the software. The model of the software is SP-T10; the hardware also has two accessories:
1) 20 mm thick mounting base;
2) Blow-cleaning device (optional).

Technical Parameters

- The nominal height of the TTC100 tool setter is 80mm, it is 100mm when the 20 mm thick mounting base added;
- The diameter of the touching face (for cutting tool touching): 25.0 mm, the hardness of the touch face: HRA 90-93;
- Travel distance of the touch face in -Z direction: 5 mm;
- Trigger repeatability of the tool setter(2σ): ≤ 2 μm;
- Parallelism between the touch face and the bottom face of the tool setter for mounting : ≤ 3 μm;
- Input voltage is 24 ± 10% V DC and output load current is 50 mA.
- Seal grade: IP68.

Technical Characteristics

- Tool setter transmits signal through cable, reversal connecting tool setter’s power supply can reverse the state of the output signal;
- There are two installing and fixing methods, one is to install directly, the other is to add a mounting base of 20mm thick, the tool setter’s height can be raised from 80mm to 100mm.
- One LED indicator light is used to display the tool setter’s working state.

Application

- Set lengths parameter of cutting tools automatically before CNC processing;
- Detect wear and breakage of cutting tools automatically between two processes or after the CNC processing;
- Through checking cutting tool parameters to control the change of machining precision from the temperature change of the machine;
- Applicable equipments: various specifications of machine centers, CNC milling machines, drilling-tapping machine centers, etc.
- Tool setter’s cable: TTC100 tool setter is equipped with 6m long, four-core, anti-oil shielding, moving cable and with a 3m-long stainless steel protecting sleeve.

Notes for purchase

- As for the cable length, verify whether the cable length equipped is enough for installing the tool setter on your machine tool; If lengthening cable is needed, special instructions should be given when ordering the product;
- Verify whether you need blow-cleaning device or not, and whether there is a spare M code in the CNC system of your machine for controlling the blowing device.