KCL-23
CNC MACHINE TRAINER

A small table top 3 Axis CNC Router kit which can cut, engrave or drill materials like Plastics, PCBs, Carbon Fibre and light metals like copper and brass. Working area of the machine is 290x390x65mm(X,Y,Z). It comes with a DC spindle with ER11 collet and can go upto 12000rpm. This model comes with 10/22Kg.Cm Hybrid Servo motors which give high rapid speeds upto 2500rpm.

Specifications

- ARM9 main control with FPGA core algorithm chip.
- 20 Digital Input & Output Pins
- 4.3 inches TFT screen, resolution ratio : 480*272 with 17 operational keys
- Output interface of 0-10V spindle control port with analog quantity(can be modified as PWM output)
- Support the 4 axis stepper motor control, the highest control pulse output of single axis is 500KHz
- The main control equipment is 18V-32V power input, the current capacity is required not to be lower than 0.5A
- Support the USB flash disk to read the G code
- Be equipped with MPG port and support digital display MPG as well as support the general MPG in the market
- Support the panel key with single-axis manual operation, manual step and continued operations.

- Support the operation of quickly specify the running position
- Support the multi coordinate systems (with automatically saving function in case of power cut
- Support the function of saving data automatically after power down (press the start to automatically save the data in the operation, automatically save the data after power down).
- 3 numbers of Hybrid Servo Motor 2-Phase 10/22kg-cm 1000 line Encoder
- 3 numbers of Hybrid Step Servo Drive 50V 7Amp RS485 Modbus Compatible
- 24V 10A Industrial Power Supply
- Machine Dimensions: 610×485×395mm
- Engraving Area: 390×290mm
- Z-axis Stroke: 65mm, Engraving depth depends on the length of the tool edge.
- Maximum job height: <=70mm
- Rail type: Chrome plate shaft & Linear Bearings (Surface hardening 61HRC)
- Transmission unit: SFU1204 ball screw
- Repeat positioning Accuracy: 0.05mm
- Main application: Engraving & Cutting for Wood, bamboo, PCB, PVC, PMMA, plastics, ABS etc. It can also engrave on gold, silver, copper, aluminum, Pb etc

Note : Specifications & Photos can be altered without notice in our constant efforts for improvement.