

## PRODUCT DETAILS

cnc controller 2 axis for lathe

### **Description:**

·7.0 Inch TFT color display, 800 X 400 high resolution display Ethernet network interface, 10/100M ethernet port.

·U flash and USB communication port, USB TO PC communication connector.

·Multi-language

·Additional plate (FCNC4M) and MPG (CNC4A)

·ARM 9 CPU+FPGA double core processor

·Four channel 2 mb/s high speed pulse output , 6 channel AB phase encoder

·Two channel serial RS232 connector.

·SD card big capacity memory connector.

·Support 4 axis linkage.

·Self-diagnosis

Diagnose CPU, memory, LCD, I/O interface, parameter state, coordinates and processing program comprehensively every time the system is started or reset; diagnose power supply, principal axis, limit and I/O ports in real-time during operating.

·Compensation

Automatic reverse clearance compensation

Automatic tool length compensation

Automatic tool radius compensation

Automatic tool radius biasing and automatic tool tip transition

·Abundant instruction system

Scaling instruction

Mirror processing instruction

Tool biasing instructions

Program cycle, program skip, program shift, program transfer, different end processing modes, macro definition and program management instructions

Fixed-point instructions: starting point, setting point, etc.

Linear, arc and spiral interpolation instructions

Six workpiece coordinate systems, nine extension coordinate systems and one reference point

·Full English menu operation & full screen edit

4640/4620 CNC control system uses cascading menu structure and full Chinese operation to ensure simple operation and visibility.

·Abundant error-correction functions

Point out the nature and correct the errors in operation.

·Program exchange between CNC system and PC

Perform CAD/CAM/CAPP auxiliary programming with abundant software in PC, and then transmit CNC program to the system through communication interface (USB disk, RS232 interface), or transmit the programs from the system to PC.