

CNC4940 4 axis CNC milling/drilling controlling system

Introduction:

ADTECH researches and develops this high performance CNC controller CNC4940 specifically for small and medium-sized CNC machine manufacturers.

Using ARM high performance CPU and ultra large scale programmable devices FPGA, real time multi task control and hardware interpolation technology, to realize the high efficiency of μm -level precision processing.

DNC on line transfer function meets the processing of a variety of large programs.

10.4 inch color display, Chinese and English interface can be selected by the parameters.

Applicable to a variety of milling, machining center machine tool, non-standard machinery and other machinery CNC application of automation field.

Function Specification

1. X, Y, Z, A four axis micron level interpolation accuracy controlling;
2. Can be configured with the stepper/servo drive, to achieve high performance to price ratio according to different users' requirement.
3. USB/U dis/RS232COM etc many kinds of communication mode, to help users achieve different data transmission and software upgrades easily.
4. Network interface, supporting for remote monitoring and DNC file transfer processing
5. Open platform, customizing special system according to customer demand.
6. Perfect self diagnosis function, internal and external status real-time display, alarm immediately when abnormal.
7. With external additional panel, hand box operation, convenient to operate.
8. Macro variable, macro definition programming, realizing a variety of logical relations. Support macro program with parameters ,convenient to the user programming
9. High speed intelligent speed preconditioning motion processing, stable processing.
10. Using ARM processor and FPGA motion control technology, processing speed up to 60m/min
11. RS485 expansion bus, with IO peripheral extension.
12. Adopt international standard G code, with large storage space, support multi file and large file processing and storage.
13. Support the powerful B macro resolution function, to facilitate users to develop their own motion control program.
14. DXF+G code template graphics analysis.
15. Forward and trajectory smoothing algorithms for up to 2000 segments, support NURBS spline interpolation.
16. Save automatically when power failure, password protection, screensaver.