The leader of domestic motion control solution provider

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CNC control system selection booklet
As China's leading motion control solution supplier, ADTECH establishes 2 product systems: motion control system (motion controller, stepper & servo driver, motor and industry application software), CNC equipment (industrial robot, teaching lathe & miller, etc.), widely used in machines, plastic industry, aerospace, medical instrument, electronic assemble, metal cutting, daily use chemical industry and so on. ADTECH is becoming a typical brand in motion control application area.

ADTECH has set up liaison office in nearly 10 major cities in China, service center in more than 30 cities, building up global sales & service network. ADTECH products have been sold to more than 103 countries including Europe & America, the middle east, southeast Asia, Hongkong, Taiwan and so on.
CNC4620
CNC Lathe machine control system

Introduction:
ADTECH specifically for small and medium sized machine tool manufacturers both in domestic and abroad independent research and development of cost-effective CNC control system. Use ARM high performance CPU and super-large-scale programmable device FPGA, real-time multitasking control and hardware interpolation technology to ensure high efficiency of the system under the um-level precision machining. 256M electronic panel meets variety of large program work pieces. 7 inches color screen, interface can be made of parameter selection in both Chinese and English.

Function Specification
- Controlled axes X, Z-axis two-micron precision interpolation
- Can be configured according to different user needs stepping, servo drive, to achieve cost performance
- USB, U disk, RS232Com communication and so on the many kinds of communication methods, easy to help users to realize different data transfer and software upgrades
- With a network interface, support for remote monitoring and DNC file transfer process
- An open platform, can be customized according to customer's requirements the special system.
- Perfect self-diagnosis function, internal and external state of real-time display, abnormal alarm immediately.
- Supports external additional panel, hand wheel box operation, convenient for the customer tools changing.
- Macro variables, macro definition programming, for a variety of logic relations. Support with parameters of macro program invocation, the user more convenient programming.
- DXF + G code template function, the DXF automatically converted to G code processing.
- Variety of ways with automatic calibration, the tools calibrate instrument etc.
- The teaching function: teaching + RISC programming, using tabular teaching mode, the teaching method is simple, intuitive.
- Graphic simulation function: Display graphics as well as the tool movement trajectory of the actual operation of the machining program, but does not control the machine running the simulation tool path, inspection of machining program is correct.
- Multi-interface options: Support multi-language interface display, automatic fault alarm, rich in processing information display, processing time, number of pieces.
- Parameter table: input and output address arbitrarily set, only need to address bar to fill in the corresponding data in the configuration table.
- 7 inch large color (800 * 480 pixels) LCD screen

Multi-interface options
Support multi-language interface display, automatic fault alarm, rich in processing information display, processing time, number of pieces.

Graphic simulation function
Display graphics as well as the tool movement trajectory of the actual operation of the machining program, but does not control the machine running the simulation tool path, inspection of machining program is correct.

Easy Installation
Reliable structure, all interfaces are standard DB connector.

Additional Accessories
Hand wheel box  Input/Output Splitter  Servo, Stepper Unit  Additional Panel

Parameter table
Input and output address arbitrarily set, only need to address bar to fill in the corresponding data in the configuration table.

Dimension figure
Unit: (mm)
CNC4640
CNC milling/drilling controlling system

Introduction:
ADTECH researches and develops this high performance CNC controller CNC4640 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 um-level precision processing.
256M Electronic disk to meet the processing of a variety of large programs.
7 inch color display, Chinese and English interface can be selected by the parameters.

- Function Specification
  - X, Y, Z, A four axis micron level interpolation accuracy controlling;
  - Can be configured with the stepper/servo drive, to achieve high performance to price ratio according to different users' requirement.
  - USB/U disk/RS232COM etc many kinds of communication mode, to help users achieve different data transmission and software upgrades easily.
  - Network interface, supporting for remote monitoring and DNC file transfer processing
  - Open platform, customizing special system according to customer demand.
  - Perfect self diagnosis function, internal and external status real-time display, alarm immediately when abnormal.
  - With external additional panel, hand box operation, convenient to operate.
  - Macro variable, macro definition programming, realizing a variety of logical relations. Support macro program with parameters, convenient to the user programming.
  - DXF+G code template function, converting DXF automatically to G code for processing.
  - With the automatic aligning instrument.
  - Teaching function: "Teaching" simplified instruction programming, teaching methods in table format, that is simple and intuitive.
  - Graphic simulation function: show the graphics of the processing program and the tool path of the actual operation, tool path simulation processing without controlling the operation of the machine, to exam if the preparation process is correct.
  - Multi interface selection: support multi-language interface display, automatic fault alarm. Processing information display, processing time, the number.
  - Parameter tabular: Input / output address number setting, only need to fill in the corresponding value in the configuration table.
  - 7 inch super large colorfull/(800*480) LCD screen.

- Parameter table
  Input and output address arbitrarily set, only need to address bar to fill in the corresponding data in the configuration table.

- Multi-interface options
  Support multi-language interface display, automatic fault alarm, rich in processing information display, processing time, number of pieces.

- Dimension figure
  Unit: (mm)

- Graphic simulation function
  Display graphics as well as the tool movement trajectory of the actual operation of the machining program, but does not control the machine running the simulation tool path, inspection of machining program is correct.

- Easy Installation
  Reliable structure, all interfaces are standard DB connector

Additional Accessories
- Hand wheel box
- Additional Panel
- Servo, Stepper Unit
CNC4940
4 axis CNC milling/drilling controlling system

Introduction:
ADTECH researches and develops this high performance CNC controller CNC-4940 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.
19.4 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
- X, Y, Z, A four axis micron-level interpolation accuracy controlling;
- Can be configured with the stepper/serve drive, to achieve high performance to price ratio according to different users' requirement.
- USB/U disk/RS232/COM etc many kinds of communication mode, to help users achieve different data transmission and software upgrades easily.
- Network Interface, supporting for remote monitoring and DNC file transfer processing
- Open platform, customizing special system according to customer demand.
- Perfect self diagnosis function, internal and external status real time display, alarm immediately when abnormal.
- With external additional panel, hand box operation, convenient to operate.
- Macro variable, macro definition programming, realizing a variety of logical relations. Support macro program with parameters, convenient to the user programming
- High speed intelligent speed preconditioning motion processing, stable processing.
- Using ARM processor and FPGA motion control technology, processing speed up to 60m/min
- RS485 expansion bus, with IO peripheral extension.
- Adopt international standard G code, with large storage space, support multi file and large file processing and storage.
- Support the powerful B macro resolution function, to facilitate users to develop their own motion control program
- DXF + G code template graphics analysis.
- Forward and trajectory smoothing algorithms for up to 2000 segments, support NURBS spline interpolation.
- Save automatically when power failure, password protection, screensaver.

Parameter table
Input and output address arbitrarily set, only need to address bar to fill in the corresponding data in the configuration table.

Multi-interface options
Support multi-language interface display, automatic fault alarm, rich in processing information display, processing time, number of pieces.

Graphic simulation function
Display graphics as well as the tool movement trajectory of the actual operation of the machining program, but does not control the machine running the simulation tool path, inspection of machining program is correct.

Easy Installation
Reliable structure, all interfaces are standard DB connector.

Additional Accessories
Hand wheel box  Additional Panel  Servo, Stepper Unit  Input/Output Splitter

Dimension figure
Unit: (mm)
CNC4960
6 axis CNC milling machine control system

Introduction:
Shenzhen Adtech Technology Co., Ltd. specifically for independent research and development of domestic and foreign small machine tool manufacturers cost-effective CNC system. ARM high performance CPU and ultra large scale programmable device FPGA, real-time multi-task control and hardware interpolation technology, to ensure that the system m level precision machining of high efficiency.
DNC online transfer function to meet the processing of a variety of large programs.
15.4 inch color large screen display, the Chinese and English interface can be chosen by the parameters.
Applicable to a variety of milling, machining center machine tool, non-standard machinery and other automation of the field of mechanical control of the use of machinery.

Function Specification
- Control axis number X, Y, Z, A, B, C six axis micron level interpolation accuracy;
- Can be configured according to different user needs to configure the stepper, servo drive, to achieve high cost;
- USB, U disk, RS232COM communications and other communication methods, easy to help users achieve different data transmission requirements and software upgrades;
- With network interface, support for remote monitoring and DNC file transfer processing;
- Open platform, according to customer demand for customized special plane system;
- Perfect self diagnosis function, internal and external status real-time display, abnormal immediately alarm;
- Support external additional panel, hand box operation, convenient customer knife;
- Macro variable, macro definition programming, the realization of a variety of logical relations. Support with parameters of the macro program call, the user programming more convenient;
- High speed intelligent speed pretreatment processing, processing stability;
- With RS485 expansion bus, support IO peripheral expansion;
- Using international standard G code, with large storage space, support multi file and large file processing and storage;
- Support the powerful B macro analysis function, to facilitate users to develop their own motion control program;
- As many as 2000 segments of the forward and trajectory smoothing algorithms, support for NURBS spline interpolation;
- Power save function, password protected screen saver function etc.

Parameter table
Input and output address arbitrarily set, only need to address bar to fill in the corresponding data in the configuration table.

Multi-interface options
Support multi-language interface display, automatic fault alarm, rich in processing information display, processing time, number of pieces.

Graphic simulation function
Display graphics as well as the tool movement trajectory of the actual operation of the machining program, but does not control the machine running the simulation tool path, inspection of machining program is correct.

Easy Installation
Reliable structure, all interfaces are standard DB connector

Additional Accessories
Hand wheel box
Additional Panel
Servo, Stepper Unit
Input/Output Splitter

Dimension figure
Unit: (mm)

09/10
MCK300A
CNC wood processing lathe milling system

Introduction:
Shenzhen Adata Technology Co., Ltd. specifically for independent research and development of domestic and foreign small machines tool manufacturers cost-effective CNC system. ARM high performance CPU and ultra large scale programmable device FPGA, real-time multi task control and hardware interpolation technology, to ensure that the system m level precision machining of high efficiency. 256M electronic disk to meet the processing of a variety of large programs. 7 inch color display, Chinese and English interface can be chosen by the parameters.

Function Specification
MCK300A CNC woodworking milling system is based on the development of powerful car Adtech basis.
1. using ARM processor and FPGA high performance motion chip, has excellent stability and reliability.
2. 7 inch LCD color screen, the display interface is friendly.
3. Support woodworking milling process, the operation is simple.
4. Graphical display and processing of real-time tracking function, can be very intuitive display of graphics in the processing file.
5. The system supports the double knife control, and supports the double knife one time and many times to the reciprocating processing technology, can greatly enhance the efficiency of woodworking lathe milling processing.
6. DXF directly into the processing function, can simplify the operator's processing file generation process.
7. Laser scanning is used to generate the machining code directly, which can greatly reduce the requirement of the operator.
8. USB communication function, support U disk processing file copy and U disk upgrade system, convenient maintenance.
9. System diagnostic function, the customer can make the diagnosis and treatment of some hardware.

Easy installation
The structure is reliable, all the interfaces are connected by standard DB head.

Function introduction
Double knife features: the double cutter function is to support machine YZ two cutter feeding and feeding control system. MCK300A directly set the function of drawing software, from direct import DXF file to automatically calculate the amatterer set, from from lower professional knowledge to the user's requirements, to good ease of use is favored by the manufacturers and the users.
Sample scanning function: For finished goods and proofing design usually in cam machining file, no drawings need measurement data of the workplace and then according to the measured data plotting to guide cam processing file.
Operation tedious labor strength and data errors. For there is no design drawings sample proofing fast or production can use scanner function, quick to copy to sample data, the obtained data can directly to the production and processing.
Support for the reciprocating vehicle of wood column, indexing milling technology, Support for real time coordinates, real time graphics and status tracking; Support standard G code files; Support laser scanning function; Support CAD file direct import, teach editing and manual editing; Support tool, reverse, return, return function.

Outline dimension chart
Unit: mm
NCT-02
CNC punching machine control system

Introduction:
ADTECH researches and develops high performance CNC punching machine control system 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, high-speed pulse frequency to ensure system high-speed feeding control. Large files and U disk DNC processing, multi-station molding function. 7 inches color high-resolution screen display, display system information abundantly. Chinese and English interface can be selected by the parameters. Applicable to the biaxial flywheel, hydraulic, pneumatic punching machine.

- Graphic simulation function
  Preview shows the processing program of punching shape and punching shape of real time processing before system starting, to Inspection if processing program is correct or not.

- Die management
  System built-in multistation die management, modify mould number according to the demand of equipment.

- Function Specification
  - X, Y two axis micron level interpolation accuracy controlling;
  - USB/U disco/RS232/COM etc many kinds of communication mode, to help users achieve different data transmission and software upgrades easily;
  - Macro variable, macro definition programming, realizing a variety of logical relations. Support macro program with parameters, convenient to the user programming;
  - CAD graphics automatic conversion processing program, CAM graphics library function, include a variety of commonly used graphics;
  - According to the program code automatically generated processing locus, real-time tracking processing position when processing;
  - Breakpoint memory function, can choose from the breakpoint to continue processing under program abnormal circumstances;
  - Two axis system match with manual die change of punching machine, system will pause and remind to change die when there is die changing instruction in the procedure;
  - Single-punch, continuous, single-stage of a variety of processing methods, oplate automatic relocation, clamp protection zone function;
  - The highest fast moving speed reach 60 M/min, the highing feed speed reach 30 M/min;
  - ServoAB encoder closed-loop control to ensure feeding accuracy;
  - Support secondary relocation and clamp giving way function, come true board without dead zone processing;
  - Fully compatible with procam CAM software and addition punching machine special compound instruction;
  - CAM wizard type punching instruction programming, can directly start punching processing program after filling in hole location information;
  - DXF * G code templates graphics analysis, can convert CAD files to processing files directly, no need softdog supporting;
  - Support powerful class B macro analysis function, convenient for users to develop their own motion control program;
  - Dead point detection, clamps loosen alarming, main motor doesn’t open alarming etc richful protection functions;

- Parameter table
  Classified design parameters, input parameter under state of system stopped and entry mode

- Multi-interface options
  Multi interface selection: System interface richful, real-time display system statement, fault message

- Additional Accessories
  - Additional Panel
  - Connection box
  - Input/Output Splitter

- Dimension figure
  Unit: (mm)
NCT-03
CNC punching machine control system

Introduction:
ADTECH researches and develops high performance CNC punching machine control system 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, high-speed pulse frequency to ensure system high-speed feeding control. Large files and U disk DNC processing, multi-station molding function. 7 inches color high-resolution screen display, display system information abundantly, Chinese and English interface can be selected by the parameters, Applicable to the biaxial flywheel, hydraulic, pneumatic punching machine.

Function Specification
- X, Y, Z three axis micron level interpolation accuracy controlling;
- USB/U disk/RS232COM port many kinds of communication mode, to help users achieve different data transmission and software upgrades easily.
- CAD graphics automatic conversion processing program, CAM graphics library function, include a variety of commonly used graphics.
- Breakpoint memory function, can choose from the breakpoint to continue processing under program abnormal circumstances.
- Single-punch, continuous, single-stage of a variety of processing methods, integrated automatic relocation, clamp protection zone function.
- With input/output module, available to extend I/O count.
- The highest fast moving speed reach 60 M/min, the highing feed speed reach 30M/min.
- Servo AB encoder closed-loop control to ensure feeding accuracy.
- Outage saving function, password protection function, screen protection function, etc.
- Die T axis offset compensation function.
- Fully compatible with procam CAM software and addition punching machine special compound instruction.
- CAM wizard type punching instruction programming, can directly start punching processing program after filling in hole location information.
- DXF + G code templates graphics analysis, can convert CAD files to processing files directly, need softlog supporting.
- Available to preview processing code graphics, real-time tracking processing locus during processing.
- Support powerful class B macro analysis function, convenient for users to develop their own motion control program.
- Dead point detection, clamps loosen alarming, main motor does not open alarming etc richful protection functions.

Parameter table
Classified design parameters, input parameter under state of system stopped and entry mode.

Multi-interface options
Multi interface selection: System interface richful, real-time display system statement, fault message.

Graphic simulation function
Preview shows the processing program of punching shape and punching shape of real-time processing before system starting, to inspection if processing program is correct or not.

Die management
System built-in multistation die management, modify mould number according to the demand of equipment.

Additional Accessories
Additional Panel
Connection box
Input/Output Splitter

Dimension figure
Unit: (mm)
NCT-04
CNC punching control system

Introduction:
Shenzhen Adtech Technology Co., Ltd. specifically for independent research and development of domestic and foreign small machine tool manufacturers cost-effective punching system. Adopts ARM CPU and large scale programmable devices of high performance FPGA, real-time multitasking control, high-speed pulse frequency to ensure high-speed feeding control system. Large files and U disk DNC machining, multi-station die functions. 7 inches color high-resolution screen display, display system information, rich interface can be made of parameter selection in both Chinese and English. Suitable for two - axis punch feed, three - axis die base function, four - axis die rotary function of flywheel, hydraulic press and pneumatic punch.

■ Function Specification
  ● Control axis number X, Y, T, C four axis micron level interpolation accuracy;
  ● USB, U disk, RS232COM communications and other communication methods, easy to help users to achieve different data transmission requirements and software upgrades;
  ● Perfect self diagnosis function, internal and external status real-time display, abnormal immediately alarm;
  ● CAD graphics automatic conversion processing procedures, CAM graphics library functions, there are a variety of commonly used graphics;
  ● According to the program code automatically generated processing track, machining process to track the actual location;
  ● Breakpoint memory function, program exceptions can be selected from the breakpoint to continue processing;
  ● Two hand punching machine die change system, when the program is for instructions and prompts the system to suspend mode need to replace the mold;
  ● Mold rotating function, you can press the complex shape, automatic angle optimization;
  ● With input / output module, I/O points can be extended;
  ● Maximum feed speed up to 60 m / min, the maximum feed rate of up to 30 m / min;
  ● Power save function, password protected screen saver function etc.
  ● Support two relocation function and clamp avoidance function, realize the plate without dead time processing.
  ● Fully compatible with CAM and other PROCAM software, and additional punch special composite directive
  ● CAM wizard punching instruction programming, can be directly used to fill in the hole information directly to start processing for punching;
  ● DXF + G code template graphics resolution, can be directly converted to CAD files for processing files, without the need to encrypt the dog support;
  ● Support the powerful B macro analysis function, to facilitate users to develop their own motion control program.

■ Parameter table
  Classified design parameters, input parameter under state of system stopped and entry mode

■ Multi-interface options
  Multi interface selection: System interface richful, real-time display system statement, fault message

■ Graphic simulation function
  Preview shows the processing program of punching shape and punching shape of real-time processing before system starting, to inspection if processing program is correct or not.

■ Die management
  System built-in multistation die management, modify mould number according to the demand of equipment.

■ Dimension figure
  Unit: (mm)

Additional Accessories
  Additional Panel
  Connection box
  Input/Output Splitter

17/18
DK300A
3 axis CNC engraving controller

Introduction:
Adtech Shenzhen Technology Co., Ltd. specifically for domestic and foreign manufacturers of independent research and development of small and medium sized machine tool numerical control system cost-effective
Adopts ARM high performance CPU and super-large-scale programmable device FPGA, real-time multitasking control and hardware interpolation technology to ensure high system efficiency μm level precision machining under.
256M electronic program meet a variety of large workpieces. 7-inch color display, English interface by the parameters, Built-in 8G storage space for large-scale relief document processing and storage.

Function Specification
- Controlled axes X, Y, Z-axis μm level interpolation precision;
- You can configure the stepper, servo drives according to different user needs and achieve cost-effective.
- Means of communication USB, U disk, RS232COM communications, to help users easily implement different data transmission requirements and software upgrades;
- With a network interface, support for remote monitoring and DNC file transfer process.
- Open platform, the system can be customized according to customer demand for the plane.
- Improve self-diagnostic function, the internal and external displays real-time status, abnormal alarm immediately
- Additional support for external panels, hand feed box operation, convenient customer knife.
- Macro variables, macro definition programming, a variety of logic. Support with parameter macro program call, allowing users to program more convenient.
- DXF + G code template function, the PDF automatically converted to G-code processing.
- Support MasterCAM, TYPE3, AHCAM software to generate the processing files;
- High-speed intelligent motion processing speed pretreatment, smooth processing;
- Maximum rapid traverse up to 60 m / min, the maximum feed rate of up to 30 m / min;
- Frequently used functions easy to use graphical programming
- With automatic, the instrument on the knife, and other ways of knife;

Parameter table
Design parameters are classified, the system stops at state and input parameter entry mode.

Multi-interface options
Rich system interface, real-time display system status and fault information.

Graphic simulation function
Punch can be started before the system displays the press preview of the shape of the machining program and the actual processing time. Pressure shape, inspection procedures machining program is correct.

Easy Installation
Reliable structure, all interfaces are standard DB connector

Additional Accessories
Hand wheel box Additional Panel Servo, Stepper Unit Input/Output Splitter

Dimension figure
Unit: (mm)
DK400A
4 axis CNC engraving controller

Introduction:
Adtech Shenzhen Technology Co., Ltd. specifically for domestic and foreign manufacturers of independent research and development of small and medium sized machine tool numerical control system cost-effective
Adopts ARM high performance CPU and super-large-scale programmable device FPGA, real-time multitasking control and hardware interpolation technology to ensure high system efficiency μm-level precision machining under:
25MM electronic program meet a variety of large workpieces.
7-inch color display, English interface by the parameters;
Built-in 8G storage space for large-scale relief document processing and storage.

- Function Specification
  - Controlled axes X, Y, A, Z-axis μm level interpolation precision;
  - You can configure the stepper, servo drives according to different user needs and achieve cost-effective.
  - Means of communication USB, U disk, RS232COM communications, to help users easily implement different data transmission requirements and software upgrades.
  - With a network interface, support for remote monitoring and DNC file transfer process.
  - Open platform, the system can be customized according to customer demand for the plane.
  - Improve self-diagnostic function, the internal and external displays real-time status, abnormal alarm immediately
  - Additional support for external panels, hand held box operation, convenient customer knife.
  - Macro variables, macro definition programming, a variety of logic. Support with parameter macro program call, allowing users to program more convenient.
  - DXF + G code template function, the PDF automatically converted to G-code processing.
  - Support MasterCAM, TYPE3, AHCAM software to generate the processing files;
  - High-speed intelligent motion processing speed pretreatment, smooth processing;
  - Maximum rapid traverse up to 60 m / min, the maximum feed rate of up to 30 m / min;
  - Frequently used functions easy to use graphical programming
  - with automatic, the instrument on the knife, and other ways of knife;

- Parameter table
  Design parameters are classified, the system stops at state and input parameter entry mode.

- Multi-interface options
  Rich system interface, real-time display system status and fault information.

- Graphic simulation function
  Punch can be started before the system displays the press preview of the shape of the machining program and the actual processing time. Pressure shapes, inspection procedures machining program is correct.

- Easy Installation
  Reliable structure, all interfaces are standard DB connector.

- Additional Accessories
  Hand wheel box
  Additional Panel
  Servo, Stepper Unit
  Input/Output Splitter

- Dimension figure
  Unit: (mm)
CNC4980
Eight-axis numerical control system

Introduction:
ADTECH (Shenzhen) Technology Co., Ltd. specifically designed for domestic and foreign small and medium machines tool manufacturers developed high performance numerical control system. Using the ARM CPU and high performance large scale programmable device FPGA, Real-time multitask control and hardware interpolation technology, ensure the μ m precision processing. 

DNC online transfers features to meet a variety of large file processing. Display 10.4-inch color display screen, English interface can be selected by the parameter.

Applicable to various types of milling, machining center machine, non-standard machinery and other Numerical control of machinery in the area of application.

- **Function Specification**
  - Controlled axes: x, y, z, a, b, c, 7th, 8th, 8-axis interpolation Monac accuracy
  - Maximum 6 channels can be controlled, 6 feed axis and 1 spindle motor
  - USB, USB flash drive, RS232COM communications and other means of communication, easily help users achieve different data transmission requirements and software upgrades
  - Network interface to support remote monitoring and DNC file transfer process;
  - Open platform that can be customized based on client demand system here;
  - Perfect self-diagnosis function, internal and external port statistics, exception occurred, police immediately;
  - Supports additional Panel, handheld box operation, user-friendly tool
  - Macro variables, define a macro programming, multiple logical relations. Support a macro call with parameters, making users more convenient;
  - Built-in programmable motion control modules, fully compatible with IEC61131-3 standards;
  - With RS485 bus extension to support IO extension, input/output, maximum 240 points;
  - U disk read function can be modeled as electronic data read from the hard drive, editing and processing, to meet a variety of large programs workpiece machining
  - Powerful network functions, can achieve Internet, real-time monitoring through the computer system;
  - Adopting international standard g-code, with large storage space, support for multiple lines with large file processing and storage;
  - Support powerful class b macro to resolve functions, easy for users to develop their own sports program
  - With synchronous control feature, two-motor synchronous driving;
  - Forward-looking and path smoothing algorithm for up to 2000 period, support for NURBS spline interpolation.

- **Parameter table**
  - Input and output address arbitrarily set, only need to address bar to fill in the corresponding data in the configuration table.

- **Multi-interface options**
  - Support multi-language interface display, automatic fault alarm, rich in processing information display, processing time, number of pieces.

- **Graphic simulation function**
  - Display graphics as well as the tool movement trajectory of the actual operation of the machining program, but does not control the machine running the simulation tool path, inspection of machining program is correct.

- **Easy Installation**
  - Reliable structure, all interfaces are standard DB connector

- **Additional Accessories**
  - Hand wheel box
  - Additional Panel
  - Servo, Stepper Unit
  - Input/Output Splitter

- **Dimension figure**
  - Unit: (mm)

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23/24
**ADT-8860**
NC multi-axis motion control module

**Introduction:**
Adapted ARM high-performance CPU and super-large-scale programmable device FPGA, real-time multitasking control and hardware interpolation technology to ensure high efficiency of the system m-level precision machining under.
Maximum control channel 6, 6 axes, the built-in G-code motion module, compatible with mainstream G code files, built-in programmable motion control module that is fully compatible with IEC61131-3 standards, with synchronizing axis control function, two motor drive.
External standard interface, flexible and easy to use, supports distributed network control, suitable for automated assembly line for a variety of milling type, non-standard machinery and other automation machinery NC use.

**Function Specification**
- Six-axis, servo stepper motor position control interface, the maximum pulse frequency 500KHZ
- Basic Input point 34 points
- The basic output points 18 points
- Various kinds of expansion IO 16:00
- Two AD
- Two DA
- Two serial ports
- Network port
- A SD card to expand the storage capacity of jack

**Optional accessories**
- Panel size
- Panel mounting hole size

**Input / output splitter size (using 35 mm DIN rail mounting)**
- ET102A Input splitter Size : 150 x 123mm
- ET202A Output splitter Size : 238 x 123mm
- ADT-9163 Input splitter Size : 177 x 123mm

- ADT-124HNA Input splitter Size : 134 x 65mm
- ADT-024HNA Output splitter Size : 195 x 85mm
<table>
<thead>
<tr>
<th>Command NO</th>
<th>Function Name</th>
<th>CNC4640</th>
<th>DK50A</th>
<th>DK65A</th>
<th>CNC4940</th>
<th>CNC4960</th>
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<tr>
<td>12</td>
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