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公司简介
Brief introduction

打造数控精品，成就客户价值
via the usage of the CNC equipment, the value of customers have upgraded

众为兴成立于2002年，是首批国家级高新技术企业。公司总部位于深圳市南山区, 办公面积近4000平方米。2008年，公司创建了占地近百亩的湖南数控产业园，使公司形成集技术研发、生产和销售为一体的完整产业链。

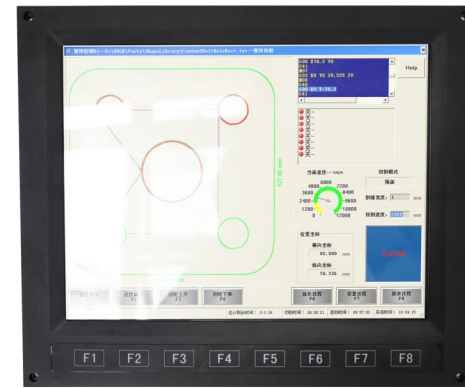
众为兴定位于专为数控应用提供全套解决方案的系统供应商，历经近十年的市场开拓与技术创新，已形成以运动控制关键配件（伺服电机驱动、运动控制卡、运动控制器）、新型数控应用系统、机器人等全系列数控产品线。本公司立足于珠三角，耕耘于中国企业，放眼全世界，坚持走自主研发的道路，力求在自动化数控领域打造一个中国的民族品牌。



ADTECH (Shenzhen) CNC technology Co., LTD is national high technological enterprises in China, which is found in 2002. ADTECH located in Ma Jialong industrial park of hi-tech industrial park in Nan Shan district, in Shenzhen, with near 4000 square meters office space. In 2008, the company founded Hunan CNC industry park that has occupied a land area of nearly hundred Chinese acre, caused the company to form the completely industrial chain with technology , research and development, the production and the sale together.

ADTECH is manufacturer and supplier for a system and focus on provide the total solution for the CNC application. Within 10 years market developing and technology innovation, ADTECH has formed a full series CNC product linewhich include key components of motion control (such as servo motor/driver, motion control card, motion controller), CNC apply system and industrial robot.

HC8200高端型龙门切割机系统 HC8200 High-end type gantry cnc cutting system



系统特色 Features

- 系统采用工控机作为处理核心，采用WINDOWS操作系统，多任务，多窗口，多线程技术，处理速度快，操作方便、直观
- 15寸工业级液晶显示器，显示信息量丰富
- 完善的火焰/等离子/喷粉划线/等离子标记工艺，割缝、间隙补偿等功能
- 友好的人机界面，可编辑的图形库，图形变换，多语言设计，在线帮助系统
- 暂停、继续，断电断点记忆、回退、前进等实用的功能
- 超大存储空间，轻松处理大程序的运行
- The system adopts industrial computer as the processing core and windows operating system, multi-task, multi-window and multithread technology, highly speed processing, conveniently operation and intuitivism
- 15 inch industrial level LCD display, plenty information
- Perfect flame/plasma/dusting alignment/plasma mark processing, gas compensation etc
- Friendly human-machine interface, editable graphic libraries, vary graph, multi-language design as well as online helps system
- Pause, continue, breakpoint & power failure memory, backward, forward and other practical functions
- Super large storage space ,can easily running big procedure

系统特性 Characteristic

- WINDOWS2000/XP 操作系统，多语言人机界面。
- 采用本公司专用运动控制卡，运用实时多任务控制技术和硬件插补技术，运动时快速平稳，程序运行速度快；
- 切割工艺参数设置功能，预热时间、透孔升枪躲避飞溅时间、多级穿孔，多种工艺时间参数可根据切割材料和机床特性自由设定。
- 兼容 ISO— G代码和 ESSI 码。
- 钢板面积自由设定。
- 预演、火焰、等离子、喷粉划线、等离子标记五种切割类型自由转换。
- 切割零件校正功能。
- 自动回绝对零点功能
- 相对零点设置功能。
- 套料时切割顺序重新定义功能。
- 断点记忆功能，支持意外停止加工记忆，报警记忆，断电记忆。
- 切割过程任意加减速控制功能及拐点智能加减速功能。
- 支持易损件检测、更换、使用时间记忆、报警功能。
- 支持CAD DXF文件转换。
- 支持USB 移动存储设备和网络数据传输

- WINDOWS2000/XP operating system, multi-language human-interface
- It adopt ADTECH special motion control card, which are use the real-time multi-task control and hardware interpolation technology, high speed and stable for running.
- Cutting processing parameter function: Preheat time, multilevel perforation; multi-process time parameter can be setting freedom—based on the feature of cutting material and machine tools.
- Compatible ISO—G Code and ESSI Code
- Steel plate area setting by user option
- Optional transforms more than 5 sets of cutting type like preview, flame, plasma, plasma mark, dusting alignment.
- Calibration function for cutting parts
- Auto-return absolute zero function
- Relevant zero setting function
- Cutting sequence redefine function when Nesting
- The breakpoint memory function supports sudden pause processing memory, alarm and power off memory
- Radom control acc/deceleration speed in the process of cutting and Intelligence acc/deceleration function for inflexion
- Support functions of quick-wear part test, replace, time remember and alarm etc
- Support CAD DXF document exchange
- Support USB removable stockade and internet data transmit

HC4500台式/悬臂式切割机系统
HC4500 Bench/Cantilever type CNC cutting system

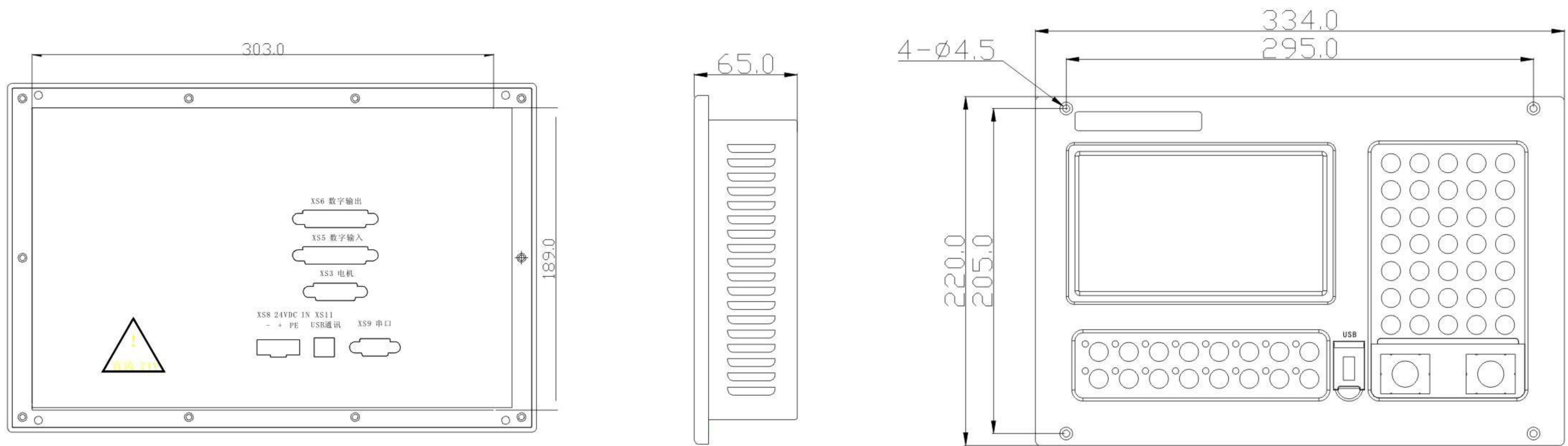


系统特色 Features

- 7寸工业级真彩屏显示，ARM处理技术，超低功耗，低成本方案
 - 完善的火焰/等离子工艺，割缝、间隙补偿等功能
 - 友好的人机界面，可编辑的图形库，图形变换，多语言设计，在线帮助系统
 - 断电断点记忆、回退、选点、选行等实用的功能
 - 超大存储空间，轻松处理大程序的运行
-
- 7" inch industrial true color display, ARM processing technology, low power consumption, low cost solution
 - Perfect flame/plasma technology, cut sewing and backlash compensation functions
 - Friendly human-machine interface, editable graphics library, Graphic Transform, multi-language design, online help system
 - Outage and breakpoint memory, back, select point and select line practical functions
 - Large storage space, easy to handle big program operation

外型尺寸 Overall Dimensions

单位:(毫米)/Unit:(mm)



系统特性 Characteristic

- 采用ARM9高速微处理器和超大规模可编程器件FPGA，运用实时多任务控制技术和硬件插补技术，运动时快速平稳，程序运行速度和界面刷新速度更快;
- 7寸真彩色显示屏，操作界面友好，人性化，简单易用，显示界面支持多种语言显示;
- 整机工艺结构合理，配合全光耦隔离控制，超强的等离子抗干扰能力;
- 256M超大加工文件存储空间，满足各种复杂程序的运行与加工，轻松处理大程序的运行;
- 可同时控制3台步进/伺服电机，可双轴同步或根据实际需要重新开发第三轴功能;
- 同时支持等离子和火焰切割，系统软件包含两者完善的切割工艺;
- 图形库功能，图库图形切孔切片选择功能;
- 图形处理功能，对加工的图形进行任意旋转、校正和X、Y镜像功能等功能;
- 加工图形阵列功能，方便批量加工;
- 延时、预热、穿孔等工艺控制;
- 等离子起弧检测、初始定位、拐角信号控制功能;
- 更换割枪枪嘴、位移穿孔、移动零件，割枪升降任意调节;
- 断点恢复功能，加工过程中断电保护;
- 割缝补偿功能，机床反向间隙补偿功能;
- 文件名称可以显示中文名称，方便用户直观的辨别出存储的文件内容;

- Adopt ARM9 high-speed microprocessor and VLSI programmable device FPGA, real-time multitasking control technology and hardware interpolation technique, stable and fast operation, faster program running and interface refresh speed;
- 7 "true color display, friendly operation interface, humanization, easy to use, support multiple language display;
- Reasonable overall process structure, cooperate with all optical coupling isolation control, super plasma anti-interference ability;
- 256M large processing document storage space, meet various complex program running and processing, easily handle large program operation;
- Can control 3 stepper/servo motor at same time, can 2-axis synchronous or develop the third axis function according to actual need;
- Support both plasma and flame cutting, system software includes both perfect cut craft;
- Graphics library function, graphics cut holes and slice selecting function;
- Graphics processing function, arbitrary rotation, correction and X, Y mirror function to graphics;
- Graphics array functions, convenient for batch processing;
- Time delay, preheating and perforation process control;
- Plasma arc detection, initial orientation, corner signal control function;
- Replace nozzle, displacement perforation, moving parts, and arbitrary adjust the nozzle;
- Breakpoint resume automatically, outage protection when processing;
- Cut seam compensation function, machine tool reverse backlash compensation function;
- Can show Chinese file name, convenient for user to identify stored documents content;

HC6500普及型龙门切割机系统
HC6500 Popular type Gantry CNC cutting system

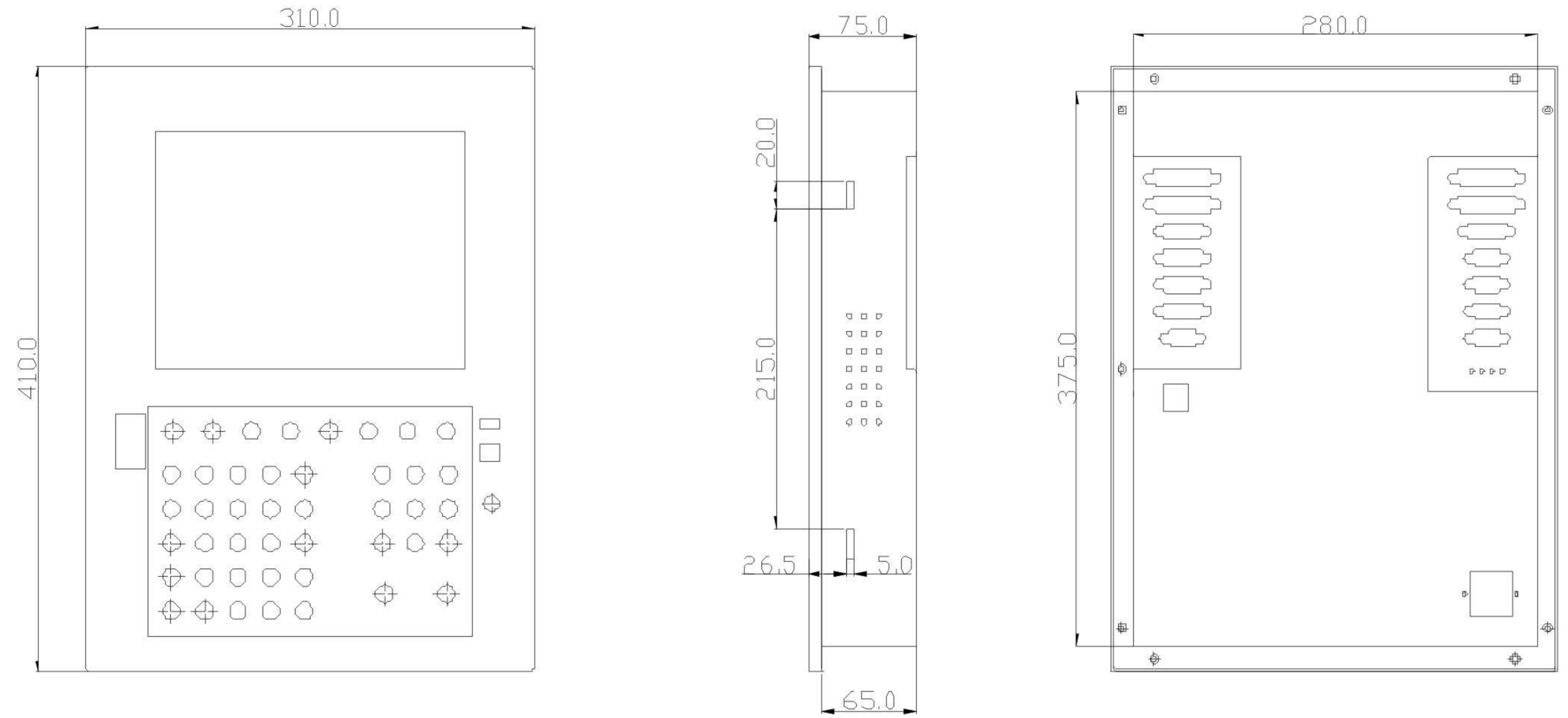


系统特色 Features

- ARM9工业处理器，高性价比的嵌入式系统
 - 不受WINDOWS病毒侵害
 - 超强等离子抗干扰能力
 - 超低功耗不发热，高温不易死机
 - 随时可进行开关机
 - 支持文件夹方式管理所有加工文件
 - 系统文件一键保存和还原功能
 - 10.4寸彩色液晶屏显示屏
-
- ARM9 industrial processor, embedded system of highly cost performance
 - Free from attack by WINDOWS virus
 - Powerful plasma anti-interference performance
 - Super low power consumption, does not get hot or crash easily
 - Capable of power on/off at any time
 - Support managing all processing files in folder manner
 - With one-key storage and restore function for system files
 - 10.4' color LCD display

外型尺寸 Overall Dimensions

单位:(毫米)/Unit:(mm)



系统特性 Characteristic

- 采用ARM9处理器技术，32位高性能CPU，主频高达266MHZ，超大规模可编程器件FPGA，软硬件插补技术，工作时稳定性高。
- 运用实时多任务操作系统，单机不受WINDOWS病毒侵害。
- I/O采用全光藕隔离，输入输出点采用硬件抗干扰技术，在EMC和EMI方面具有良好的效果，超强的等离子抗干扰能力。
- 输出电路具有过流保护、过压保护、短路保护、过热保护。
- 整张PCB电路板采用一体设计，避免了接插件接触不良的现象，硬件架构稳固。
- 采用了最新的并行与串行铁电双方案，支持系统适时刷新铁电存储数据，轻松解决加工过程中异常断电数据丢失的问题。
- 单个程序可以存储5万行加工代码，满足各种复杂程序的运行与加工，轻松处理大程序的运行。
- 小线段程序处理功能和尖拐角速度自动平稳处理。
- 加工文件名称支持中、英文显示，可利用文件夹对各个客户的加工文件分类保存管理，方便识别和调用。
- 图形库和共边网格功能，可对一些常用图形尺寸、形状、大小进行编辑。
- 等离子起弧检测、初始定位、拐角信号控制、小半径圆弧速度减慢处理功能。
- 更换割枪枪嘴、移动零件、位移穿孔、延时、预热、穿孔、升降调节。
- 图形处理功能，对加工的图形进行旋转、镜像、选行、选点、钢板校正、尺寸、阵列、错位排列、缩放、简单排料等功能。
- 10.4寸彩色液晶显示屏，采用向导、菜单功能，更人性化的操作界面；
- 支持无线手持盒功能，电容，弧压调高功能。

HC6500等离子抗干扰能力



同时带2台海宝MAX200等离子电源无任何干扰

- Adopt ARM9 processor, 32-bit high performance CPU with 266MHZ primary frequency, and super-large programmable FPGA, software and hardware interpolation technologies, realizing higher stability.
- Adopt real time multi-task operating system, and the off-line single machine will not be attacked by WINDOWS virus
- I/O adopts all Optocoupler isolation, and the hardware anti-interference technologies are used for the input/output node, achieving good effects in EMC and EMI, and powerful plasma anti-interference performance.
- The output circuit has over-current protection, over-voltage protection, short circuit protection, and the overheat protection.
- PCB circuit board is of integrated design, avoiding bad contact of connector and realizing stable hardware structure.
- Adopt the latest combined parallel & serial Ferro-electricity, allowing the system to refresh the Ferro-electricity stored data in appropriate time, and to solve the exceptional power down that causes data loss during the processing easily.
- Single program can save 50 thousand lines of processing code, satisfying the operation and processing of all kinds of complex programs and can deal with the running of big program easily.
- With treatment on small line block program and auto-smoothing of tip corner speed.
- Name of processing files is available in Chinese and English versions. Folder is used to sort and save processing files of all customers, convenient for users to identify and call for use.
- Graphic library (GL) and edge-sharing grid functions enable users to edit the dimension, shape and size of common graphics.
- Plasma arcing detection, initial positioning, corner signal control, slow down processing of speed of small radius circular arc.
- Changing cutting gun nozzle, moving parts, displacement perforating, delay, preheating, perforating, and lift adjustment.
- Graphic processing function, capable of performing rotation, mirror, line selection, point selection, calibration, sizing, array, stagger array, zoom out, and simple nesting functions on the graphics being processed.
- 10.4' color LCD display, with guidance, menu function and human-friendly user interface;
- Support wireless hand-held box function, Support capacitance, arcing voltage heighten function

HC4300便携式切割机系统
HC4300 Portable CNC cutting system

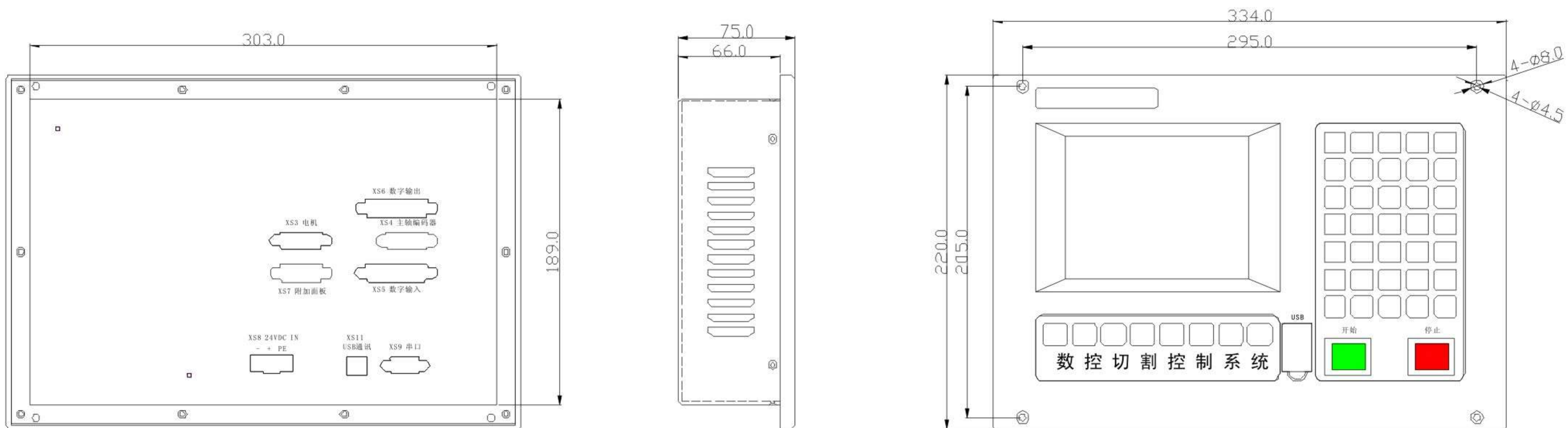


系统特色 Features

- 采用5.7寸蓝色显示屏
 - 单个程序可以存储2万行加工代码
 - 用户可以自行编译显示的语言
 - 完善的火焰、等离子切割工艺
 - 公英制转换
 - 超强等离子抗干扰能力
 - 系统文件一键保存和还原功能
-
- 5.7" blue screen display
 - Single program can save 20 thousand lines of processing code
 - Users can compile the language displayed
 - Perfect flame, plasma cutting processes
 - Metric/inch conversion
 - Powerful plasma anti-interference
 - One-key storage and restore function

外型尺寸 Overall Dimensions

单位:(毫米)/Unit:(mm)



系统特性 Characteristic

- 采用ARM7处理器技术，32位高性能CPU和超大规模可编程器件FPGA，运用实时多任务控制技术和硬件插补技术，程序运行速度和界面刷新速度更快，工作时稳定性更高。
- 整机工艺结构合理，配合全光耦隔离控制，超强的等离子抗干扰能力。
- 单个程序可以存储2万行加工代码，256M超大的存储空间，满足各种复杂程序的运行与加工，轻松处理大程序的运行。
- 多种语言选择，并且用户可以对语言字符自行编译，完全解决了某些单词缩写后用户看不懂以及小语种不能准确翻译的问题。
- 图形库功能，可对一些常用图形进行尺寸大小编辑和简单排料。
- 等离子起弧检测、初始定位、拐角信号控制、小半径圆弧速度减慢处理功能。
- 更换割枪枪嘴、移动零件、位移穿孔、延时、预热、穿孔、升降调节。
- 图形处理功能，对加工的图形进行旋转、镜像、选行、选点、校正、尺寸、阵列等功能。
- 断点恢复功能，加工过程中断电保护。
- 帮助功能，对于初级用户使用更加简单。
- 可将数控系统内的加工文件与U盘进行互相拷贝，可以读取U盘内的多层文件夹。
- 内设信号检测功能，帮助用户快速解决机器故障。
- 可同时控制3台步进/伺服电机，可双轴同步或根据实际需要重新开发第三轴功能。
- 5.7寸蓝色显示屏，人性化操作界面，简单易用。

- Adopt ARM7 processor, 32-bit high performance CPU and super-large programmable FPGA, real-time multi-task control technologies and hardware interpolation technology, realizing the faster running speed of program and refreshing speed, and higher stability.
- With reasonable process structure, all Optocoupler isolation control, powerful plasma anti-interference performance.
- Single program can save 20 thousand lines of processing code, and 256M storage space can satisfy the operation and processing of all kinds of complex programs and can deal with the running of big program easily.
- Many languages are available, and users can compile the language as they like, settling such problems as users cannot understand some abbreviation words and minority language cannot be translated correctly.
- Graphic library (GL) function enables users to edit some common graphics and do some simple stock arrangements.
- Plasma arcing detection, initial positioning, corner signal control, slow down processing of speed of small radius circular arc.
- Changing cutting gun nozzle, moving parts, displacement perforating, delay, preheating, perforating, and lift adjustment.
- Graphic processing function, capable of performing rotation, mirror, line selection, point selection, calibration, sizing, and array on the graphics being processed.
- Break point restoration function, ensuring the power-off protection during the processing.Help function makes it simpler for primary users.
- Processing files in CNC system can be copied to USB disk, and vice versa. Multi-layered folder in USB disk can be read.
- Built-in with signal detection function, help users settle the machine problems quickly.
- Capable of controlling 3 stepper/servo motor at the same time, enabling synchronization of two axes or developing function of the 3rd axis as required.
- 5.7" blue display, with human-friendly and easy-to-use user interface.

可选配件

Optional Accessories for Controller

HC4A蓝牙无线手持盒 HC4A Bluetooth Wireless Handwheel Box

- 无线蓝牙传输
- 具有24个常用按键
- 具有15个波段调节
- 智能关机功能
- Wireless bluetooth communication
- 24 common use Keys
- 15 wave rangs adjustment
- Intelligence power off



调高系统
Height adjusting system



VGM伺服电机减速机 VGM servo motor decelerator

- 小型轻量化,重量:1.5~80kg 长度:90.2~250mm
- 正整数比3~1000比
- 安静、低背隙。全系列S型10弧分
- 适用于各厂牌伺服电机
- 密封式设计，不必换油、安装方便
- 高转矩，低惯性矩 转矩：3~45/88.2~441kg*m/Nm
- Small size, light-weighted, with a weight of 1.5~80kg and a height of 90.2~250mm
- Positive integer ratio: 3~1000
- Quiet and low backlash; the entire series is of S type and 10 arc-mim
- Applicable to servo motors of all brands
- Closed design, not need to change the oil, and easy to install
- High torque, low inertia, with a torque of 3~45/88.2~441kg*m/Nm



FAST公司的FastCAM软件为我公司火焰割系统
m FAST Company is the dedicated nesting software of our flame cutting system.



套料软件
Nesting Software

步进系统 Stepper system



二相混合式电机和驱动 Two-phase Hybrid Motor and Driver

- 40VDC ~ 220VAC电源供电
- 相电流3A ~ 8A
- 双极恒流斩波方式
- 过低、过流、过温保护
- 256细分设定
- 40VDC~220VAC power supply
- Two-phase current 3A~8A
- Bipolar constant current chopping
- Over-low voltage, over-current, and over-heat protection
- 256 subdividing settings

三相混合式电机和驱动 Three-phase Hybrid Motor and

- 采用IGBT为输出级的高效斩波器
- PWM（脉宽调制）恒流斩波
- 三相标准正弦波输出
- 电流控制灵活可选（1.3A—4.5A）
- 高细分设定
- Adopt high efficiency chopper of IGBT output level
- PWM (Pulse Width Modulation) constant current chopping
- Three-phase standard sine wave output
- Current control is flexible (1.3A~4.5A)
- High subdividing settings

ADTECH QS6 系列交流伺服 ADTECH QS6 series AC servo



伺服系列 Servo

- 伺服电机应用于需精确定位的场合。如定长选料、轨迹描述、定位运动、角度分割等。
- 伺服电机在额定的转速范围内，力矩不会降低。同时，伺服电机安装有编码器反馈，所以位置会非常准确。当伺服电机出现位置偏差，或负载太大时，伺服驱动器会作故障报警。
- 伺服电机和伺服驱动器构成一套闭环系统，可以做PID调节。
- Servo motor is used in where accurate positioning is demanded, such as fixed-length materials selection, track description, positioning motion, angle dividing, etc.
- The moment of force will not be reduced within the rated rotating speed of servo motor. In addition, encoder feedback is installed so that the position can be very accurate. If there is position deviation or if the load is too big, the servo driver will send out a failure alarm.
- Servo motor and servo driver form a closed-loop system, which can be used to perform the PID adjustment.