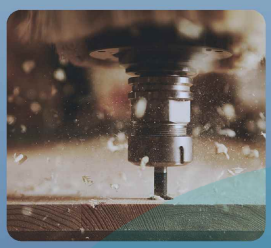
锐志天宏
UIZHITIANHONG

PRODUCT BROCHURE

Focus On CNC & Intelligent Manufacturing



BEIJING RICHAUTO S&T CO., LTD.

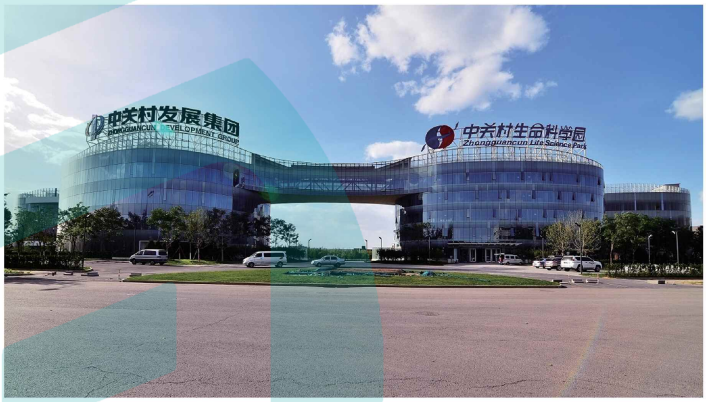
Beijing RichAuto S&T Co.,Ltd

Beijing RichAuto S&T Co., Ltd. was founded in 2003, it is located in the capital Beijing of China. Registered capital is 20 million Yuan. After years of development, RichAuto has developed into a comprehensive company integrating production, research and development, and sales.It has successfully listed on the Beijing Stock Exchange and landed on the NEEQ. Stock code: 834369.

Beijing RichAuto has a wide sales network and a strong technical team. It setup offices in Beijing, Jinan, Wuxi, Guangzhou, Hefei, Henan, and Shenyang cities. RichAuto brand and its controllers are hot selling in many countries such as United States, India, Russia, Malaysia, and Vietnam, Turkey and other more than 30 countries and regions.

Now RichAuto is involved in hardware, home appliances, medical, food and beverage, pharmaceuticals, packaging, machine tools, printing and other industries. Covering a variety of processing methods, such as machinery, laser, plasma, flame, etc., and are widely used in advertising, woodworking, stone, glass, jewelry, metal processing, inspection and detection and other industries.

Sincerely inviting global agency and cooperation!



RichAuto

RichAuto A1X series

Hot seller

Feature

- Classic DSP controller
- Easy to train and use
- Spindle speed is adjustable during processing
- Support power failure protection and breakpoint recover
- 9 workpieces coordinates, easy to switch
- Read standard G code and PLT format instructions
- Support mainstream CAD/CAM software, such as Type3, Artcam, UG, Pro/E, MasterCAM, Cimatron, Wentai etc.
- Reads multiple file formats .nc .txt .mmg .u00 .tap .dxf .plt

DSP Handle Wiring Board

Parameter

Model Name	RichAuto—A1X	**Supply Voltage**	DC24V 3A
CPU	DSP	**Manual Mode**	Continue, Step, Distance
Inner Memory	512MB	**Interpolation type**	Linear, Curve
Screen	3" LCD screen	**Soft/Hard Limit**	Support
File Storage/transfer	U Disk, Flash disk mode	**Max Pulse Frequency**	1MHz
Linkage Axis	3 ~ 4 axis	**Encryption**	Support
Control Signal	Common anode	**Language**	Chinese / English
Drive System	Stepper / Servo	**Spindle Signal**	Spindle 2 / 8 / 16 states
System Type	Handheld	**Breakpoint Recover**	Support 8 breakpoint recover
Computer Operation	Offline, No PC required	**Power Failure Protection**	Support
Minimum Input Unit	0.001mm	**Optional Accessory**	4m/6m 50-pin cable
Standard Configuration	DSP Handle*1pc, 8/8 IO wiring board*1pc, 50-pin cable*1pc, USB cable*1pc		

RichAuto

RichAuto B1X series

A1X Upgrade

Feature

- Optimized version of A1X series
- 8 more frequently used shortcut keys
- U disk protector for easier replacement
- Easy to train and use
- Spindle speed is adjustable during processing
- Support power failure protection and breakpoint recover
- 9 workpieces coordinates, easy to switch
- Read standard G code and PLT format instructions
- Support mainstream CAD/CAM software, such as Type3, Artcam, UG, Pro/E, MasterCAM,Cimatron, Wentai etc.
- Reads multiple file formats .nc .txt .mmg .u00 .tap .dxf .plt
- Offering appearance customization

DSP Handle Wiring Board

Parameter

Model Name	RichAuto—B1X	**Supply Voltage**	DC24V 3A
CPU	DSP	**Manual Mode**	Continue, Step, Distance
Inner Memory	512MB	**Interpolation type**	Linear, Curve
Screen	3" LCD screen	**Soft/Hard Limit**	Support
File Storage/transfer	U Disk, Flash disk mode	**Max Pulse Frequency**	1MHz
Linkage Axis	3 ~ 4 axis	**Encryption**	Support
Control Signal	Common anode	**Language**	Chinese / English
Drive System	Stepper / Servo	**Spindle Signal**	Spindle 2 / 8 / 16 states
System Type	Handheld	**Breakpoint Recover**	Support 8 breakpoint recover
Computer Operation	Offline, No PC required	**Power Failure Protection**	Support
Minimum Input Unit	0.001mm	**Optional Accessory**	4m/6m 50-pin cable
Standard Configuration	DSP Handle*1pc, 8/8 IO wiring board*1pc, 50-pin cable*1pc, USB cable*1pc		

RichAuto

RichAuto B4X series

In Promotion

Feature

- 4 -inch color screen, allowing PC file transfer
- Handheld structure, easy to train and operate
- Selectable analog control and gear control modes
- Support power failure protection and breakpoint recover
- 9 workpieces coordinates, easy to switch
- Read standard G code and PLT format instructions
- Support mainstream CAM software, such as Type3, Artcam, UG, Pro/E, MasterCAM, Cimatron, Wentai etc.
- Reads multiple file formats .nc, .txt,.mmg, .u00, .tap, .dxf, .plt


DSP Handle

Servo Board

Parameter

Product Model	RichAuto—B4X	**Breakpoint Processing**	Support
CPU	DSP	**Power Failure Protection**	Support
Inner Memory	512MB	**Manual Mode**	Continue, Step, Distance
Screen	4" color screen	**Interpolation type**	Linear, Curve
Supply Voltage	DC24V 3A	**Soft/Hard Limit**	Support
Linkage Axis	3~4 axis	**Max Pulse Frequency**	4 MHz
Control Signal	Differential signal	**Password Protection**	Support
Drive System	Stepper/Servo	**Language**	Chinese / English
System Type	Handheld	**Spindle Signal**	Gear / Analog
Computer Operation	Offline, No PC required	**MPG**	N/A
Minimum Input Unit	0.001mm	**Analog Input**	0-10V
Communication Port	U disk, PC	**Optional Accessory**	6m HDMI cable
Standard Configuration	DSP Handle*1pc(include 3m HDMI cable), 16/8 IO wiring board*1pc, U disk*1pc, Hook*1pc		

RichAuto

RichAuto B5X series

Industrial Design

Feature

- 5-inch color screen, allowing PC file transfer
- Support power failure protection and breakpoint recover
- High speed processing and high precision effect
- 9 workpieces coordinates, easy to switch
- Read standard G code and PLT format instructions
- Support mainstream CAM software, such as Type3, Artcam, UG, Pro/E, MasterCAM, Cimatron, Wentai etc.
- Reads multiple file formats including .nc, .txt, .mmg, .u00, .tap, .dxf, .plt
- Drop-proof injection housing, 3-defense PCB coating


PC File Transfer Program


DSP Handle

Servo Board

Parameter

Product Model	RichAuto—B5X	**Breakpoint Processing**	Support
CPU	DSP	**Power Failure Protection**	Support
Inner Memory	512MB	**Manual Mode**	Continue, Step, Distance
Screen	5" color screen	**Interpolation type**	Linear, Curve
Supply Voltage	DC24V 3A	**Soft / Hard Limit**	Support
Linkage Axis	3~4 axis	**Max Pulse Frequency**	4 MHz
Control Signal	Differential signal	**Password Protection**	Support
Drive System	Stepper/Servo	**Language**	Chinese/English/Spanish
System Type	Handheld	**Spindle Signal**	Gear / Analog
Computer Operation	Offline, No PC required	**MPG**	Stepper wiring board: N/A Servo wiring board: Support
Minimum Input Unit	0.001mm	**Analog Input**	0-10V
Communication Port	U disk, PC	**Optional Accessory**	6m HDMI cable
Standard kit for stepper	DSP Handle with 3m HDMI*1pc, 16/8 IO wiring board*1pc, U disk*1pc, Hook*1pc		
Standard kit for servo	DSP Handle with 3m HDMI*1pc, 16/16 IO wiring board*1pc, Servo cable*3~4pcs, U disk*1pc, Hook*1pc		

RichAuto

RichAuto F7X series

Dual Channel Control

Feature

- New PC program V3.0
- New Handle with E-stop, magnet and LED lamp
- Support 3 to 5-axis milling, ATC, Lathe, multiple-process, etc
- Read large file, tool path preview and real time display
- Widely used in CNC and automation fields
- Support remote system technical support
- Multiple languages customization
- Analog, PWM and MPG port offered
- More faster and precise machining results
- Support power failure protection, breakpoint recover
- 9 workpieces coordinates, easy to switch
- Reads multiple file formats including .nc, .txt,.mmg,.u00,.tap,.dxf,.plt


PC Upper Program


New Handle


Servo Control Board

Parameter

Product Model	RichAuto—F7X	**Breakpoint Processing**	Support
CPU	DSP	**Power Failure Protection**	Support
Inner Memory	512MB	**Manual Mode**	Continue, Step, Distance
Screen	3" LCD screen	**Interpolation type**	Straight line, Arc, Spline
Supply Voltage	DC24V 3A	**Soft / Hard Limit**	Support
Linkage Axis	2~5 axis	**Max Pulse Frequency**	4 MHz
Control Signal	Differential signal	**Password Protection**	Support
Drive System	Stepper/Servo	**Language**	Chinese / English / other languages
System Type	PC Based Windows7/10/11	**Spindle Signal**	Analog
File Reading	Choose from PC / U disk	**Analog Input**	0-10V
Minimum Input Unit	0.001mm	**Optional Accessory**	Handle / MPG
Display Interface	Support desktop, laptop (standard configuration without computers), industrial All-in-One PC; It can be connected to 3 inch LCD handle at the same time		
Standard kit for stepper	F7X PC program*1pc, 16/8 IO stepper control board*1pc, USB extension cable*1pc		
Standard kit for servo	F1X Handle with 3m HMI cable*1pc, 24/24 IO servo board*1pc, USB extension cable*1pc, Hook*1pc, Servo cable*3~4pcs, Spindle cable*1pc		

RichAuto

Model Selection Table

Product model	Process description
A11	3-axis engraving; Planar relief and cutting processing.
A12	2~3-axis plasma cutting; Metal cutting; High efficiency and strong anti-interference.
A18	4-axis carving system can switch between the original angle and nearby rotation. In promotion
A132	Carving Milling Grinding Integrated lathe motion control system, realizes the completion of both turning and engraving processes in one clamping.
B11	3-axis engraving; Planar relief and cutting processing.
B15	3-axis cylinder multi-spindle control system; Automatically switches tools during processing; Precisely compensate for position offset.
B18	4-axis engraving can switch between the original angle and nearby rotation. In promotion
B41	4-inch color screen three-axis engraving; Planar relief and cutting processing.
B47	4-inch ATC system can change tool in rear, side, and cylinder rear tool magazines.
B48	4-inch color screen, 4-axis engraving, supports 4-axis-linkage, can switch between the original angle and nearby rotations. In promotion
B51	5-inch color screen 3-axis system; Planar relief and cutting processing.
B55	5-inch color screen 3-axis cylinder multi-spindle control system; G-code simulation and real-time processing trajectory display.
B57	5-inch color screen 3-axis automatic tool change motion control; G-code simulation, real-time trajectory display. Support back/side/cylinder rear row tool magazines.
B58	5-inch color screen 4-axis system; G-code simulation and real-time processing trajectory display; Switch between the original angle and nearby rotation.
B581	5-inch color screen 4-axis ATC system; G-code simulation, real-time trajectory display; Tool changing in rear/side/cylinder rear row; Optional original angle/nearby rotation.
F731	3-axis three-linkage engraving; Planar relief and cutting processing.
F741	4-axis-linkage system; Optional rotation axis marking (A/B/C); Support switch between the original angle and nearby rotation, improving processing efficiency. In promotion
F736	4-axis 3-linkage system can achieve 4-axis 3-linkage engraving, double tool head lathe, grooving processing, the combined processing of the above three processes.
F737/F747	The ATC system supports 3-axis 3-linkage and 4-axis 4-linkage motion control, Support back/side/cylinder rear row tool magazines.
F7313/F7413	The disc tool change system supports 3-axis-linkage or 4-axis-linkage motion control, can use cylinder tool magazines and fixed tool magazines, achieving efficient tool changing actions, enhancing the automation level of multi-tool processing.

Contact Us For More Applications Customization!