



CHENGDU GREAT INDUSTRIAL CO., LTD

Chengdu GREAT Industrial Co., Ltd. is an enterprise with a history of more than 11 years in CNC field.

Special supply below products:

- 【1】 CNC controller for milling& drilling machining centre
- 【2】 CNC controller for lathe
- 【3】 All digital AC servo drive
- 【4】 AC servo motor
- 【5】 Industrial robot



ISO9001:2000



Certificate of CE

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GREAT-150iM

CNC Controller for Milling & Machining Centre

SYSTEM STRUCTURE

- High performance embedded industrial microprocessor with 32 bits.
- 32MB user memorizer.
- 8.4 inch real color LCD display.
- Controlling core consisted of Industrial DSP and FPGA.
- Build-in 118X46 I/O PLC port, double channels analog value output.
- RS232 and USB port at the front of panel.
- Wave band switch and handwheel (on the panel or handle) port.

TECHNICAL PARAMETER

- Controllable axes: 3-5.
- Linkage axes: linear 2-5, circular 2-3.
- Pulse equivalent: 0.001mm.
- Max speed: 60000mm/min.
- Cutting speed: 1-20000 mm/min
- Min input unit: 0.001mm.
- Programming size range: +/-99999.999mm.
- Programming instruction code: ISO-841.
- Programming coordinate system definition: ISO-841.



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GREAT-150iT CNC Controller for Turning Machine

System structure

- High performance embedded industrial microprocessor with 32 bits.
- 32MB user memorizer.
- 8.4 inch real color LCD display.
- Controlling core consisted of Industrial DSP and FPGA.
- Build-in 118X46 I/O PLC port, double channels analog value output.
- RS232 and USB port at the front of panel.
- Wave band switch and handwheel (on the panel or handle) port.

Technical specification

- Controllable axes:2-5.
- Linkage axes: linear 2-5, circular2-3.
- Pulse equivalent: 0.001mm.
- Max speed: 60000mm/min.
- Cutting speed:1-20000 mm/min
- Min input unit: 0.001mm.
- Programming size range: +/-99999.999mm.
- Programming instruction code: ISO-841.
- Programming coordinate system definition: ISO-841.



GREAT-150iTJ CNC CONTROLLER FOR LATHE

Function characteristics

- Controllable axis: 2 axes
- Linkage axes: 2 axes
- 32MB user memory space
- Resolution 640 x480, 7.7" monochromatic LCD display
- Industrial grade DSP , FPGA motion control kernel
- Real-time and all round self-diagnosis function, real-time display all status of system
- Metric and inch input mode
- Machine axes return to reference point
- Linear interpolation, arc interpolation, thread interpolation instructions, which can turn metric and inch single-thread/multiple-thread, taper thread, surface thread, variable pitch thread, continual thread
- Multiple Compound cycle instructions , such as excircle rough turned compound cycle , head face rough turned compound cycle ,complex type outline rough turned compound cycle ,head face hole compound cycle of chip drilling, outer diameter/bore diameter /grooving compound cycle, thread cutting compound cycle etc
- Auto backlash and storage pitch error compensation, tool auto compensation function ,tool nose radius C compensation function of all axes
- Setting max speed ,acceleration/deceleration separately



New!

GREAT-66TAi Economical CNC Controller for Lathe

Specification :

- Linkage: X , Z
- Pulse equivalent : 0.001mm
- Max speed : 20000mm/min
- Cutting speed : 1---10000mm/min
- 32 bit ARM + FPGA
- 32M User storage
- 320 x 240 LCD display
- USB, RS232 Communication port
- Real-time and all-rounded diagnosis
- Linear, arc, screw thread interpolation instruction
- Multiple compound cycle instructions
- M, S, T function
- Parameter , software back and upgrade function
- Full-screen editing , Foreground background operation
- Multilevel password protection function(system manufacturer, machine manufacturer, user); machine manufacturer password setting can prevent amendment of some parameters relevant to equipment configuration and maximize equipment reliability, user password can do convenience for equipment field management



New!

GREAT-60TT Mini CNC Controller for Lathe

Specification :

- Linkage: X , Z
- Pulse equivalent : 0.001mm
- Max speed : 20000mm/min
- Cutting speed : 1---10000mm/min
- 32 bit ARM + FPGA
- 64M SDRAM
- 32M User storage
- 320 x 240 LCD display
- USB,RS232 Communication port
- Real-time and all-rounded diagnosis
- Linear, arc, screw thread interpolation instruction
- Multiple compound cycle instructions
- M, S, T function
- Parameter , software back and upgrade function
- Full-screen editing , Foreground background operation
- Multilevel password protection function(system manufacturer, machine manufacturer, user); machine manufacturer password setting can prevent amendment of some parameters relevant to equipment configuration and maximize equipment reliability, user password can do convenience for equipment field management



GTAS series All-digital AC servo drive system

MODELS:

GTAS-20; GTAS-30;
GTAS-50H; GTAS-75H;

Model	GTAS-20	GTAS-30	GTAS-50H	GTAS-75H
Input voltage	3Ph 220V		3-Ph 380V + Signal phase 220V	
Max output power	1.2Kw	2.3Kw	7.5Kw	10Kw
Max output current	20A	30A	50A	75A
Processor	32-bit DSP+FPGA			
Control Precision	±0.01%			
Control Mode	Position control, speed control, JOG control, external pulse control			
Signal Input Mode	Pulse signal or analog voltage (0-10V) ,starting signal			
Max Pulse Frequency	≤500KHz			
Electro Gear	1/3000-3000			
Protection Function	Overload, over-voltage, overcurrent, overheat, short circuit, circuit break, chip damage ,operation error,undervoltage, encoder abnormal,brake abnormal, position out-of tolerance			
Monitor Function	Rmp,Torque,Current,Current Position,Instruction pulse accumulatio, Position Deviation Etc			
Regenerative braking resistance	Embedded			
Feedback Mode	Incremental Encoder (2500P/R Twelve-wire system)			
Function	Parameter password protection ;on-line switching position, speed control mode ; external speed on-line switching,position and speed gain, acceleration and motor rigidity parameter setting, system alarm input/output signal parameter optional ; built-in servo turret control logic			
	69×176.5×214	84×208.5×245	110×209.5×306	



GT6 series AC servo motor

GT6 series AC servo motors with corresponding servo drive units are widely used in the areas of machine tools, textile machines, printing machines, machines for manufacturing building materials, robotics, radar systems and artillery, etc. .GT6 series AC servomotor is composed of a stator, a rotor and some high-precision feedback element such as a photoelectric encoder and a revolving transformer, etc. The high-performance rare earth materials are used to form the magnetic field.

Advantages:

- Highly compacted with high density of power
- Small inertia of rotor, fast responding
- Rare earth materials with super-high BHC Coactivity, which provides permanent magnetism
- Constant torque output almost in the whole range of rotation
- Minor fluctuation of torque at low speed
- High precision of balance, stable rotation at high speed
- Low noise and minor vibration
- Fully sealed



CT Series Spindle Motor

● Specification standard

- ◎Power range: 1.1-110kW
- ◎Max rpm: 15000rpm
- ◎Rated voltage: 380V/330V
- ◎Rated power rate: 33.3/50/66.7/100HZ
- ◎Number of Poles: 4 poles
- ◎Encoder: built-in optical-electricity encoder
- ◎Degrees of protection:IP54
- ◎operating time: Continuous (S1)
- ◎insulation class: F
- ◎breakdown field: AC1800V
- ◎vibration level: R.S
- ◎ambient temperature range: -15~45℃
- ◎ambient humidity range:bellow 95%RH (none sweat)
- ◎installation: B3/B5/B35
- ◎heat yield: compell blowing
- ◎noise:≤70dB



CHENGDU GREAT INDUSTRIAL CO., LTD



CCR-RB Series Industrial Robot



The GREAT Robot CCR-RB is the intelligent robot for versatile applications with the up to date expertise in our quarter century at GREAT. The high reliable robot with high speed operation and large motion area provides the best cost performance and prompts ease of use applications with integrated versatile process solutions such as spot welding, arc welding, painting, cutting, palletizing, handling, to load and unload parts from the upper side of machine or equipment, teaching and so on.

Robot model		GREAT-RB8
Controlled axes		6 axes
Max. load capacity at wrist		8kg
Power volume		2.3kw
Mounting pattern		Floor
Repeatability		+/-0.1mm
Motion range	Max swing radius	1370mm
	Minimum reaching distance	490mm
	J1(Rotation)	± 170 deg
	J2(Arm swing)	+150deg~ -90deg
	J3((Arm swing)	+90deg ~-150deg
	J4(Arm rotate)	± 180deg
	J5(wrist up and down)	+45deg~ -225deg
	J6(wrist rotate)	± 360deg
Rated speed	J1(Rotation)	1. 9rad/s (110deg/s)
	J2(Arm swing)	1. 9rad/s (110deg/s)
	J3((Arm swing)	1.9rad/s (110deg/s)
	J4(Arm rotate)	3.14rad/s (180deg/s)
	J5(wrist up and down)	3.92rad/s (225deg/s)
	J6(wrist rotate)	4.88rad/s (280deg/s)
Max speed		1.5m/s
Mechanical unit mass		170kg
Application	Arc welding, Spot welding, Handling, Sealing, palletizing ,	
	Others	Painting , cutting , teaching