

Cnc Grinding Controller

- 1) 2-5 Axis standard series CNC Grinder controller
- 2) Support absolute type servo system & linear scale
- 3) 800x600 8.4 inch real color LCD displayer
- 4) 2MHz Pulse Output Frequency, Default Pulse equivalent is 1um.
- 5) High anti-jamming switch power(220VAC -> 24VDC&5V)
- 6) 128MB Memory , 100Mb user store room
- 7) With USB interface, for upgrade & copy programs
- 8) Analog voltage output of 0~10V in two channels, support double spindles
- 9) Support Position Feedback with linear scale(Differential signal/RS422)
- 10) Basic I/O: 56X32 ,PLC On-line Display,Monitor & Design
- 11)Support Linear tool magazine,umbrella,Arm type tool magazine
- 12) English menu, program and interface, full screen edition
- 13)Support macro variable dialog box & Running program by input points
- 14)Built-in screw compensation,Reverse backlash compensation

Application: CNC grinding machinery,CNC flat grinder,and specially automatic equipment



**SZGH-CNC1000GDb/
SZGH-CNC1000GDc**

CNC Boring Controller

- 1)3-5 Axis standard and updated series CNC milling and router controller
- 2) CNC1000MDc series support absolute type servo system & linear scale
- 3) 800x600 8.4 inch real color LCD displayer
- 4) Support ATC , Macro function and PLC function
- 5) 2MHz Pulse Output Frequency, Default Pulse equivalent is 1um.
- 6) Support C-axis positioning,rigid tapping,threading of spindle
- 7) High anti-jamming switch power(220VAC -> 24VDC&5V)
- 8) 128MB Memory , 100Mb user store room
- 9) With USB interface, for upgrade & copy programs
- 10) Analog voltage output of 0~10V in two channels, support double spindles
- 11) Support Position Feedback with linear scale(Differential signal/RS422)
- 12) Basic I/O: 56X32 ,PLC On-line Display,Monitor & Design
- 13)Support Linear tool magazine,umbrella,Arm type tool magazine
- 14) English menu, program and interface, full screen edition
- 15)Support macro variable dialog box & Running program by input points
- 16)Built-in screw compensation,Reverse backlash compensation
- 17) CNC1000MDi support Modbus/EtherCAT/PowerLink/Increment type Servo System

Application: CNC Boring machine and specially automatic equipment



SZGH-CNC1000MDb



SZGH-CNC1000MDc

CNC ROBOT CONTROLLER 6-8 AXIS

<http://www.szghauto.com>



Product Features:

- 1) Optimized structure algorithm, adapt Robots for Various Structure
- 2) Modular function design , apply to different applications
- 3) Support RS232/RS485/Wifi/Internet Communication
- 4) Support Modbus/Ethercat Control with Modbus Multi-turns Absolute Servo,simpler wiring
- 5) Support Pulse+Direction Signals For Feeding Axes(Servo/Step)
- 6) Teach function with technical parameter, easier to operate
- 7) Robot TCP Function, Seam tracking function
- 8) PLC and macro program are all opened,Support Editing PLC ladder online
- 9) Multilevel random password protection, more safety

System algorithm:

- (1) vertical multiple-joints serial robot
- (2) Vertical multiple-joints parallelogram robot
- (3) Vertical multiple-joints L-shaped wrist robot
- (4) Polar coordinate robot
- (5) Horizontal Joint Robot (SCARA)
- (6) Delta robot
- (7) Special purpose robot

Application: handling, welding, spraying, palletizing, cutting, polishing, forging, casting, etc.

CNC LATHE & TURNING CONTROLLER

<http://www.szghauto.com>



GH-1000TC

- 1) 2-5 Axis Fully English Type CNC lathe controller
- 2) 800x600 8.4 inch real color LCD displayer
- 3) Electric Turret & Binary code turret,Max: 99 pcs tools
- 4) Support ATC , Macro function and PLC function
- 5) Max speed is 60m/min, feeding speed is 24m/min
- 6) Adapted servo spindle can realize spindle continuous position,rigid tapping,rigid screw processing
- 7) High anti-jamming switch power(100V-240VAC 50Hz/60Hz -> 24VDC)
- 8) 64MB Memory , 56Mb user store room
- 9) With USB interface,it supports file operation in flash disk,system configuration and software upgrade
- 10)Position Control Mode:Pulse+Direction/AB Phase,Dual Analog voltage output of 0~10V
- 11)32 bits ARM microprocessor+FPGA Technology.
- 12)Basic I/O: 36X36 , can be edited freely
- 13)cutter offset : C
- 14)Installing dimension, electric interfaces, instruction system and operating windows being compatible with those of GSK980TDb Turning CNC System "



GH-1000TC

Application: CNC Lathe & Turning Machinery and specially automatic equipment

CNC Milling & Drilling Controller

GH-1000MC

- 1) 3-5 Axis Fully English Type CNC Milling controller
- 2) 800x600 8.4 inch real color LCD displayer
- 3) Electric Turret & Binary code turret,Max: 99 pcs tools
- 4) Support ATC , Macro function and PLC function
- 5) Max speed is 60m/min, feeding speed is 24m/min,0.1um control precision
- 6) Adapted servo spindle can realize spindle continuous position,rigid tapping,rigid screw processing
- 7) High anti-jamming switch power(100V-240VAC 50Hz/60Hz -> 24VDC)
- 8) 64MB Memory,56Mb user store room
- 9) With USB interface,it supports file operation in flash disk,system configuration and software upgrade
- 10)Position Control Mode:Pulse+Direction/AB Phase,Dual Analog voltage output of 0~10V
- 11)32 bits ARM microprocessor+FPGA Technology.
- 12)Basic I/O:36X36,can be edited freely
- 13)cutter offset:C



GH-1000MC

Application: CNC Drilling & Milling Machinery and specially automatic equipment

GH-Z4

- 1. 15" LCD, plasma and flame cutting, simple display.
- 2. Stronger industrial embedded core, the process speed is four times as fast as Z4, advanced arc interpolation and lift speed calculation.
- 3. Simpler control: multi-function knob, shortcut keys, 4-torch control key and so on.
- 4. Support various compound cutting, plasma, flame, laser, line-draw, drill, can steady work in the electromagnetism environment.
- 5. Remote Control: RFL1, RFS1
- 6. Arc Voltage Torch Height Controller: AHa-S1
- 7. Torch Lifter: AHb-S1
- 8. Programming: ISO-G code, graph library and manual programming
- 9. I/O Control: input32, output24
- 10. AD/DA: 2 for each, 10 digits 0-10V (0-5V is compatible)



GH-Z4



THC

CNC Cutting Numerical Controller

GH-2012AH

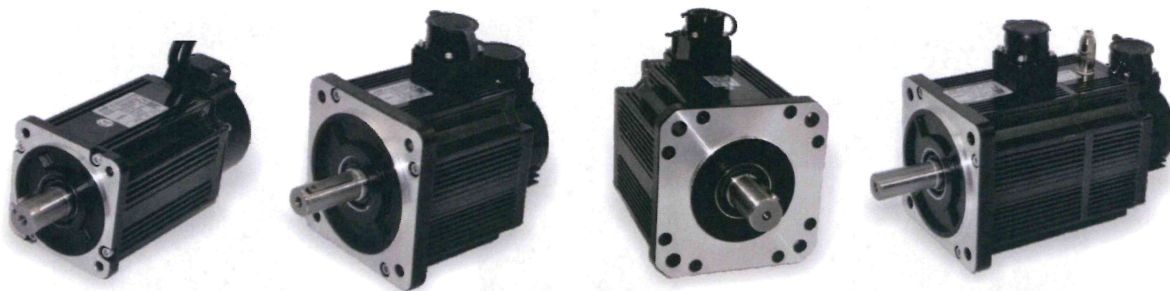
- 1. Industrial ARM chip, low power consumption, low heat. Anti-interference from plasma, pass EMC test.
- 2. It has 4 relays for normally-open/closed contacts, 24 figures are available to use
- 3. Kerf compensation, breaking point recover, parts rotation, mirror, scale and so on.
- 4. It's compatible with Fast CAM and other nesting software
- 5. I/O Control: input (optoelectronic isolation)*13, output (relay output)*8
- 6. Highest Speed: 24m/min, Programming Unit: 0.001mm
- 7. Programming: ISO-G code and manual programming
- 8. Display: 7" color LCD
- 9. Working Temperature: 0°C ~ 55°C



GH-2012AH

SERVO MOTOR & DRIVER

<http://www.szghauto.com>

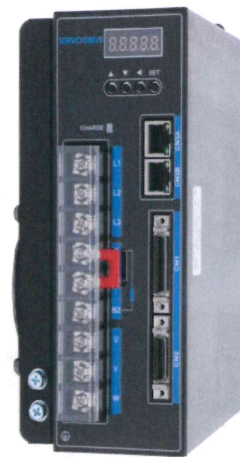


Model	Frame size (mm)	Rated Power (w)	Torque(N.M)		Rated Speed (r/min)	Rated Current (A)	Rated Voltage (V)	Rotor Inertia (kg.m ² x10 ⁻⁴)	Encoder Resolution (PPR)		Motor Length (mm)	brake motor (/T) Length	Diameter of Axle (mm)	Weight (kg)
			Continuous	peak					Increment type	Absolute type				
SZGH-04005D	40	50	0.16	0.32	3000	0.4	220	0.025	2500	17 bit	75	109	8	0.4
SZGH-04010D	40	100	0.32	0.64	3000	0.6	220	0.051	2500	17 bit	90	124	8	0.5
SZGH-06020DC	60	200	0.64	1.9	3000	1.2	220	0.175	2500	17 bit	116	164	14	1.16
SZGH-06040DC	60	400	1.27	3.9	3000	2.8	220	0.29	2500	17 bit	141	189	14	1.6
SZGH-06060DC	60	600	1.9	5.73	3000	3.5	220	0.39	2500	17 bit	169	217	14	2.07
SZGH-08075DC	80	750	2.4	7.1	3000	3	220	1.82	2500	17 bit	151	191	19	2.9
SZGH-08075BC	80	750	3.5	10.5	2000	3	220	2.63	2500	17 bit	179	219	19	3.9
SZGH-09075DC	86	750	2.4	7.1	3000	3	220	2.45	2500	17 bit	150	198	16	3.1
SZGH-09075BC	86	750	3.5	10.5	2000	3	220	3.4	2500	17 bit	172	220	16	3.9
SZGH-09100CC	86	1000	4	12	2500	4	220	3.7	2500	17 bit	182	230	16	4.2
SZGH-11060DC	110	600	2	6	3000	2.5	220	3.1	2500	17 bit	159	233	19	4.5
SZGH-11080BC	110	800	4	12	2000	3.5	220	5.4	2500	17 bit	189	263	19	6
SZGH-11120DC	110	1200	4	12	3000	5	220	5.4	2500	17 bit	189	263	19	6
SZGH-11120BC	110	1200	6	12	2000	5	220	7.6	2500	17 bit	219	293	19	7.9
SZGH-11180DC	110	1800	6	18	3000	6	220	7.6	2500	17 bit	219	293	19	7.9
SZGH-13100CC	130	1000	4	12	2500	4	220	8.5	2500	17 bit	166	223	22	6.2
SZGH-13130CC	130	1300	5	15	2500	5	220	10.6	2500	17 bit	171	228	22	6.6
SZGH-13150CC	130	1500	6	18	2500	6	220	12.6	2500	17 bit	179	236	22	7.4
SZGH-13150AC	130	1500	10	25	1500	6	220	19.4	2500	17 bit	213	294	22	11.5
SZGH-13200CC	130	2000	7.7	22	2500	7.5	220	15.3	2500	17 bit	192	249	22	10
SZGH-13230AC	130	2300	15	30	1500	9.5	220	27.7	2500	17 bit	241	322	22	14.4
SZGH-13260CC	130	2600	10	25	2500	10	220	19.4	2500	17 bit	209	290	22	11.5
SZGH-13380CC	130	3800	15	45	2500	13.5	220	27.7	2500	17 bit	231	312	22	14.7
						10	380							
SZGH-15360AC	150	3600	18	36	2000	17	220	46	2500	17 bit	248	321	28	17
						9.5	380							
SZGH-18270CC	180	2700	17.2	43	1500	10.5	220	34	2500	17 bit	226	298	35	20
						6.5	380							
SZGH-18300CC	180	3000	19	47	1500	12	220	38	2500	17 bit	232	304	35	21
						7.5	380							
SZGH-18450CC	180	4500	21.5	53	2000	16	220	47	2500	17 bit	243	315	35	22
						9.5	380							
SZGH-18290BC	180	2900	27	67	1000	12	220	61	2500	17 bit	262	334	35	26
						7.5	380							
SZGH-18370BC	180	3700	35	70	1000	16	220	86	2500	17 bit	292	364	35	31
						10	380							
SZGH-18430AC	180	4300	27	67	1500	16	220	61	2500	17 bit	262	334	35	26
						10	380							
SZGH-18550CC	180	5500	35	70	1500	24	220	86	2500	17 bit	292	364	35	30.5
						12	380							
SZGH-18750CC	180	7500	48	96	1500	20	380	95	2500	17 bit	346	418	35	40

Note: Servo motor with Braker is with "T", Example: SZGH-08075DC/T Absolute type servo motor is with "H", Example: SZGH-13100CC(H)

SERVO DRIVER SERIES

<http://www.szghauto.com>



Driver Model	Control Mode			Rated Voltage (A)	Current (A)	Encoder Type	Matched Motor
	Torque	Position	Velocity				
SZGH-SD2004	✓	✓	✓	Single or 3phase 220VAC	9	Increment	50-600W
SZGH-SD2010	✓	✓	✓	Single or 3phase 220VAC	12	Increment	750W-1.0KW
SZGH-SD2026	✓	✓	✓	Single or 3phase 220VAC	18	Increment	750W-3.8KW
SZGH-SD2075	✓	✓	✓	Single or 3phase 220VAC	28	Increment	2.3KW-7.5KW
SZGH-SD4038	✓	✓	✓	3phase 380VAC	18	Increment	2.3KW-3.8KW
SZGH-SD4075	✓	✓	✓	3phase 380VAC	28	Increment	3.5KW-7.5KW
SZGH-SD2004(H)	✓	✓	✓	Single or 3phase 220VAC	9	Absolute	50-600W
SZGH-SD2010(H)	✓	✓	✓	Single or 3phase 220VAC	12	Absolute	750W-1.0KW
SZGH-SD2026(H)	✓	✓	✓	Single or 3phase 220VAC	18	Absolute	750W-3.8KW
SZGH-SD2075(H)	✓	✓	✓	Single or 3phase 220VAC	28	Absolute	2.3KW-7.5KW
SZGH-SD4038(H)	✓	✓	✓	3phase 380VAC	18	Absolute	2.3KW-3.8KW
SZGH-SD4075(H)	✓	✓	✓	3phase 380VAC	28	Absolute	3.5KW-7.5KW
SZGH-SD2004(E)	✓	✓	✓	Single or 3phase 220VAC	9	Ether CAT	50-600W
SZGH-SD2010(E)	✓	✓	✓	Single or 3phase 220VAC	12	Ether CAT	750W-1.0KW
SZGH-SD2026(E)	✓	✓	✓	Single or 3phase 220VAC	18	Ether CAT	750W-3.8KW
SZGH-SD2075(E)	✓	✓	✓	Single or 3phase 220VAC	28	Ether CAT	2.3KW-7.5KW
SZGH-SD4038(E)	✓	✓	✓	3phase 380VAC	18	Ether CAT	2.3KW-3.8KW
SZGH-SD4075(E)	✓	✓	✓	3phase 380VAC	28	Ether CAT	3.5KW-7.5KW