

GENMITSU CNC ROUTER 3018-PRO

USER MANUAL

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Part 1: Package List

Name	Size	Picture	Qty
	20*40*290mm		2
Aluminum Profile	20*20*360mm		2
	300*180mm		1
Guide Rail (X Axis)	Ø10*360mm		2
Guide Rail (Y Axis)	Ø10*290mm	0	2
Lood Scrow	T8(365mm)		1
Lead Sciew	T8(295mm)	TOTOTIC	1

Name	Size	Picture	Qty
Phenolic Resin Plate			4
Stepmotor		e	2
Spindle & ER11			1
X-Z Axis Assembly			1
Slider			4
Nut Seat			1
Milling Cutter			10

Name	Size	Picture	Qty
4P Motor Line			3
Offline Controller			1
Spindle Motor Line		Ø	1
24V Power Supply		L	1
Control Board & Fan & Case			1
USB Cable		9ª	1
Plate Clamp			4

Name	Size	Picture	Qty
Winding Tube		and the second s	2M
USB Stick			1
Allen Wrench	1.5mm,2.0mm,2.5mm, 3.0mm,4.0mm		4
	M5*10		4
Bolt	M5*16	Channel of the second s	43
	M3*14	6	8
Copper Nut		8 P	2
Nut 20M5	20*M5	(2)	16
Nut 30M5	30*M5	MEST	10
Spring			2
Coupling & Set Screw			2

Part 2: Mechanical Installation

Bakelite:



6



Step 2 Table Installation



Completed



Step 3 Base & Bakelite-C Installation



10

Completed







	NO.	NAME	SIZE	QTY.
	1	X-Z Axis Assembly		1
	2	Copper Nut		1
	3	Spring		1
epare	4	Aluminum Profile	20*20*360mm	2
terials	5	Guide Rail (X Axis)	Ø10*360mm	2
	6	Lead Screw	T8(365mm)	1
	7	Coupling & Set Screw		1
	8	Bolt	M5*16	4
	9	Bolt	M3*14	4



Completed







• Tighten the bolt without using excessive force to prevent plastic damage.







Part 3: Debugging

1. Install the driver (software \rightarrow Driver \rightarrow CH340SER.exe)



- 2. To Determine your Machine's COM port:
 - Windows XP: Right click on "My Computer", select "Manage", select "Device Manager".
 - Windows 7: Click "Start" → Right click "Computer" → Select "Manage" → Select "Device Manager" from left pane.
 - In the tree, expand "Ports (COM & LPT)"
 - Your machine will be the USB Serial Port (COMX), where the "X" represents the COM number, for example COM12.
 - If there are multiple USB serial ports, right click each one and check the manufacturer, the machine will be "CH340".





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	Settings	• • • •	D Late		e e e e fet comet	0 0
E: 0.000 0.000 T: 0.000 0.000 E.000 0.000 0.000 / 0.000 / 0.000	Connection Sender Machine Information Control Uber commands Heightmap Parase Visualizer Tool model Console Parasis Console Parasis Colon Font	Consection Choose the correct port Function of the section of the	Castr () - 3pin - 3pin - 3pin - 3pin - 3pin - 3pin - 3pin - 3pin - 3pin - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4	4 () * 4 () *		10 2 4
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	Est is defaults	Cand	2			

3. Open Grblcontrol software(software \rightarrow Grblcontrol \rightarrow GrblControl.exe)

- Console window print " [CTRL+X] < Grbl 1.1f ['\$' for help]" If the connection is successful.
- Console window print " Serial port error 1: No such file or directory " indicate that the connection is failed.



Grblcontrol Use



Tool setting



Part 4: Offline Controller

Notice: When using the offline controller, remove the USB cable from the PC. Offline controller and PC cannot be used together.

1. Connect offline controller to PC via USB cable.





2. Then copy the NC file to the offline controller.

3. Offline controller connected to the control board.



4. Press the [X+/X-/Y+/Y-/Z+/Z-] key to move the spindle to the machine origin, select the engraving file, click the [OK] key to start engraving.

5. Interface introduction

A. Menu Page



B. Ctrl Page

Z+ Z+ Z- USB	SD/TF Card Y+ • Control X- OK/Spindle X+ • X- SP X+ Y- 0.1 • Exit/Step
X+	X-axis positive direction
Х-	X-axis negative direction
Y+ Y-axis positive direction	
Y- Y-axis negative direction	
Z+ Z-axis positive direction	
Z- Z-axis negative direction	
OK/Spindle(SP) Spindle On/Off	
Exit/Step Long press to exit, short press to change step (0.1/1/5/10mm)	
SP:1%	Power to spindle (Press [OK]+[Z+]=add, Press [OK]+[Z+]=reduce)



C. File Page





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