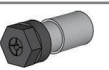
MYSWEETY

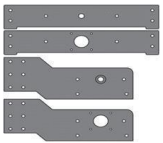
CNC ROUTER 3018-PRO

USER MANUAL

Contents

Part 1: Package List

Name	Size	Picture	Qty
Aluminum profile	2040*290mm		2
	2020*360mm		2
	mesa		1
Linear axis	10*360mm		2
	10*290mm		2
Lead screw	T8(365mm)		1
	T8(295mm)		1
ER11 and Holder			1

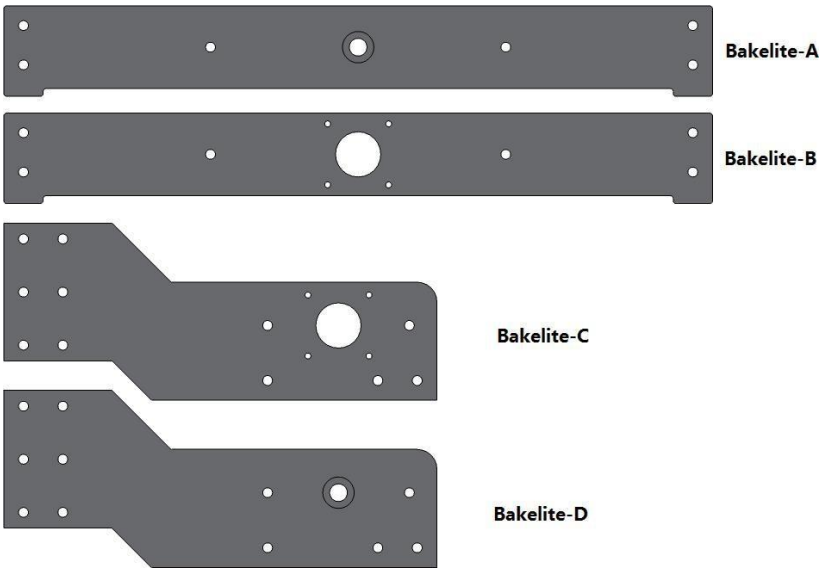
Name	Size	Picture	Qty
Phenolic resin plate			4
Stepper motor			2
Spindle			1
X-Z axis assembly			1
Slider			4
Nut seat			1
Milling cutter			10

Name	Size	Picture	Qty
Copper chuck			2
4P motor line			3
Spindle motor line			1
24V power supply			1
Control board			1
USB cable			1
Plate clamp			4

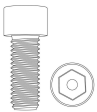
Name	Size	Picture	Qty
Cable tie			5
CD			1
Set screw	M3		8
	M4		8
Allen wrench	1.5mm,2.0mm,2.5mm, 3.0mm,4.0mm		5
Bolt	M5*16		32
	M5*10		14
	M3*14		8
	M4		1
Copper nut			2
Nut	20M5		16
	30M5		10
Spring			2
Coupling			2

Part 2: Assembly Instruction

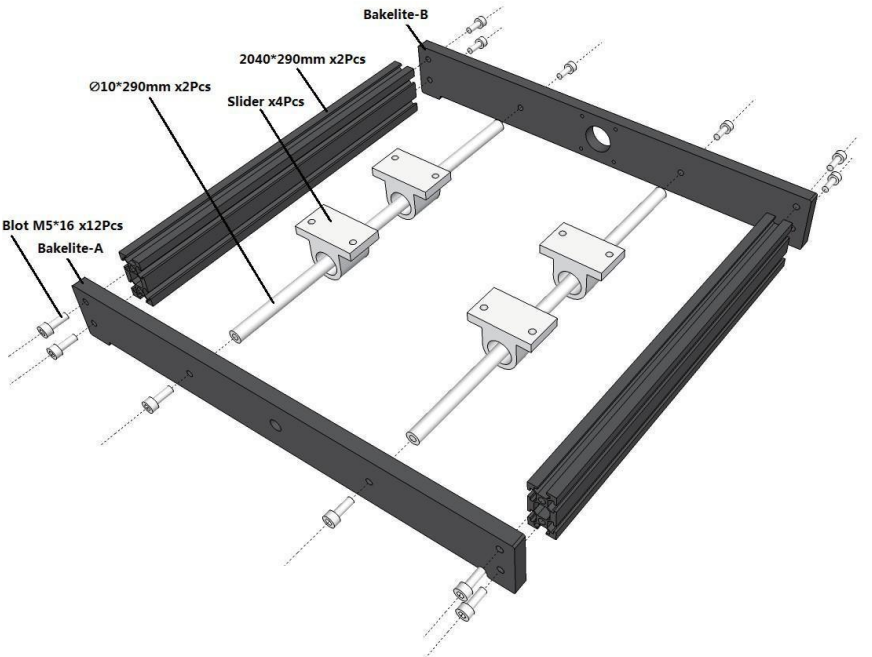
Bakelite:



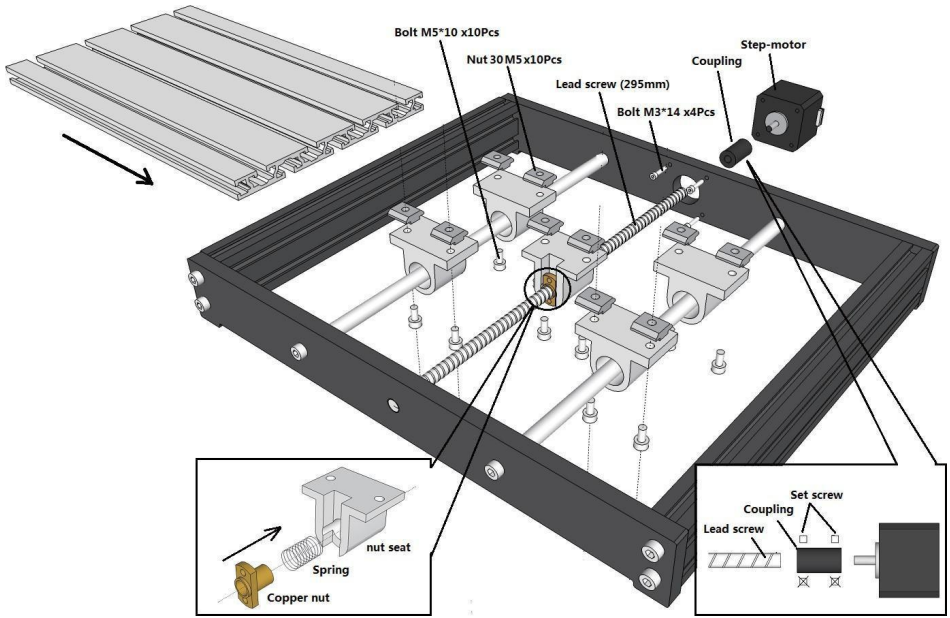
Tool:

	Bolt	Set screw
		
1.5mm		M3
2.0mm		M4
2.5mm	M3	
3.0mm	M4	
4.0mm	M5	

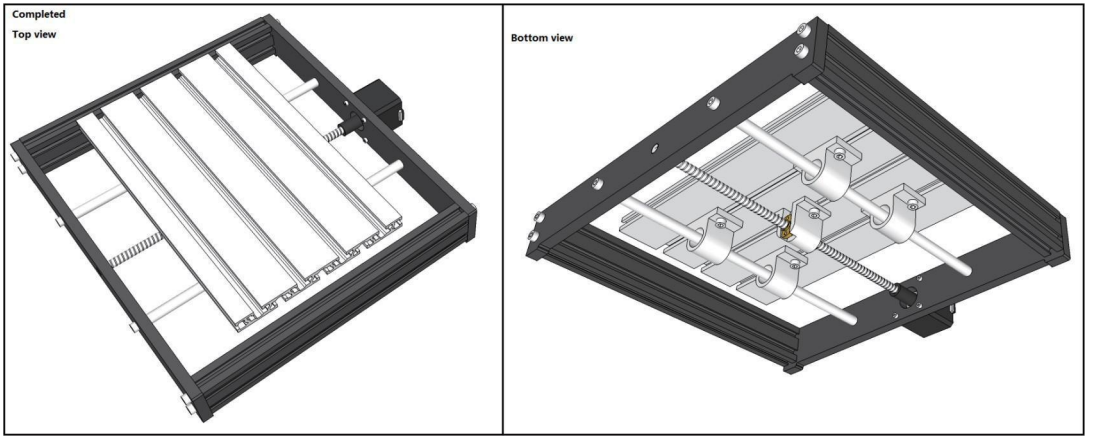
Step 1 Base Assemble



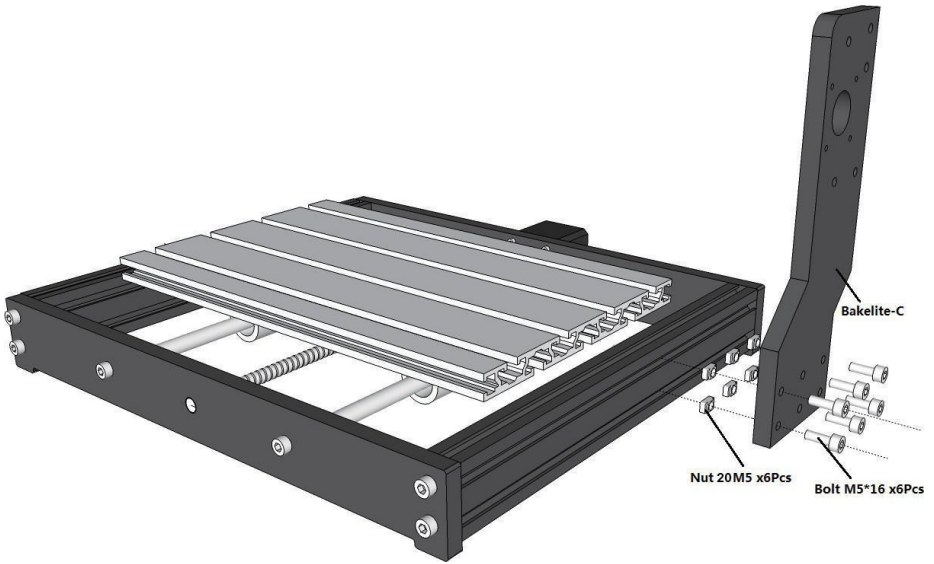
Step 2 Table Assemble



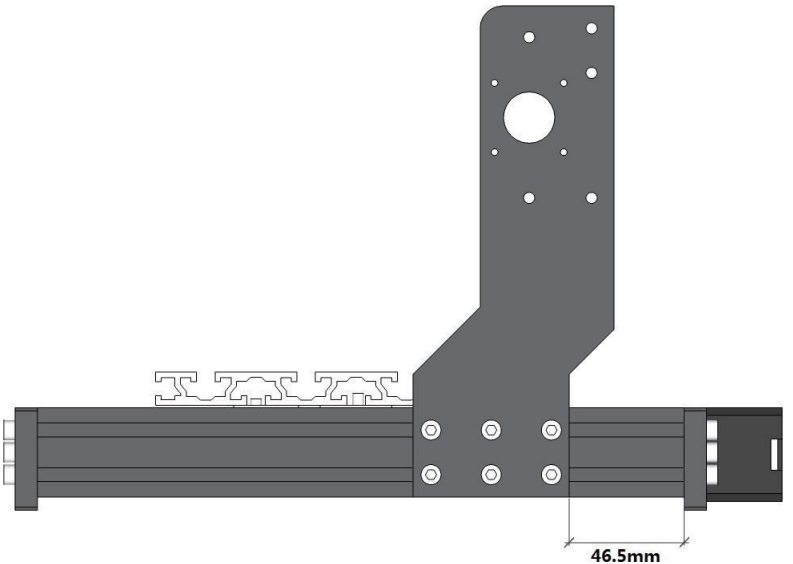
Completed



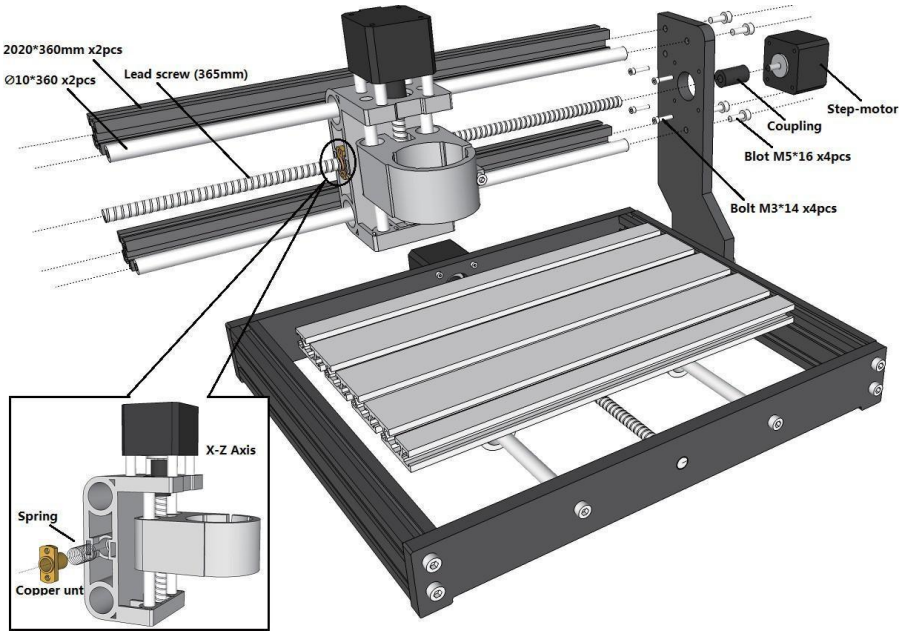
Step 3 Base & Bakelite-C



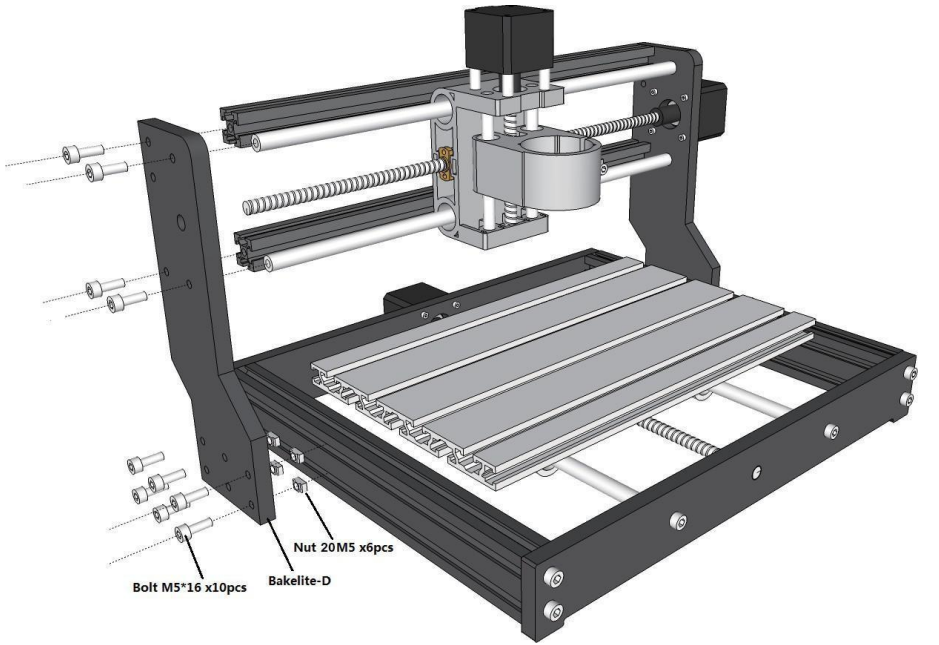
Completed & Ubiety



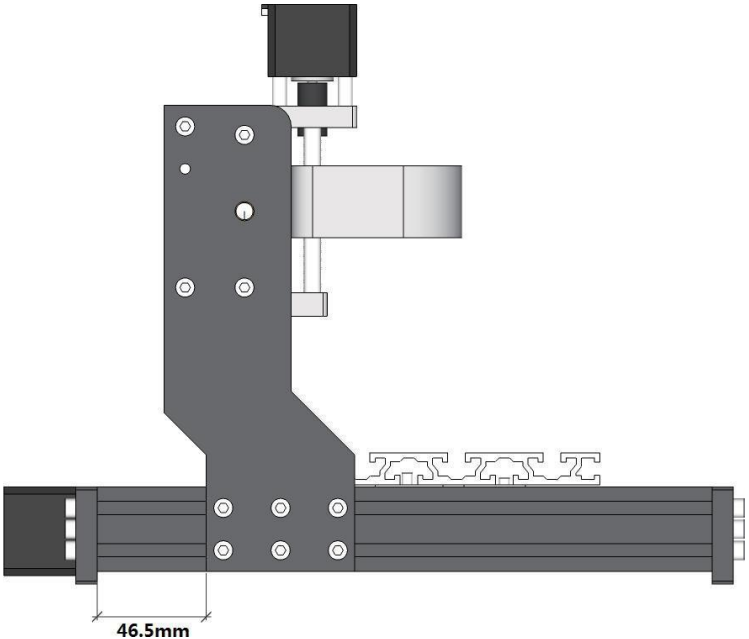
Step 4 X-Z Axis



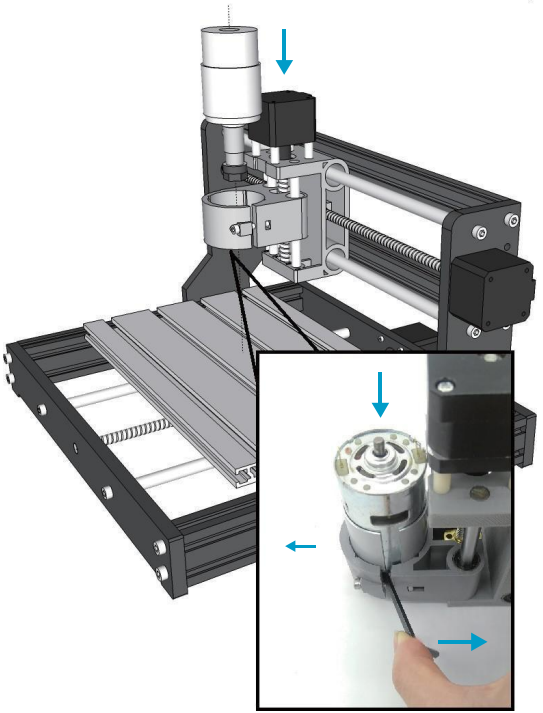
Step 5 Bakelite-D

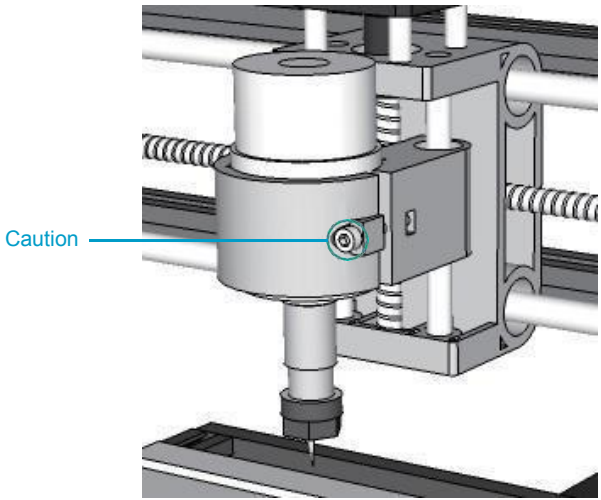


Completed & Ubiety



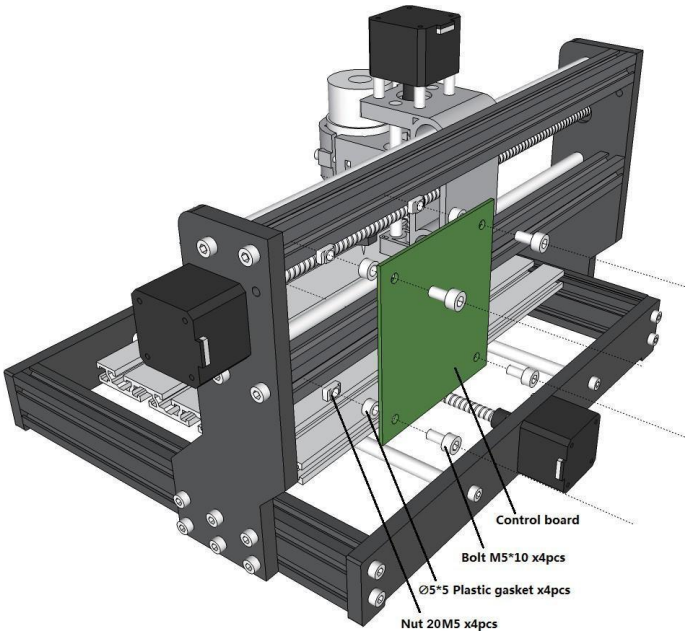
Step 6 Spindle



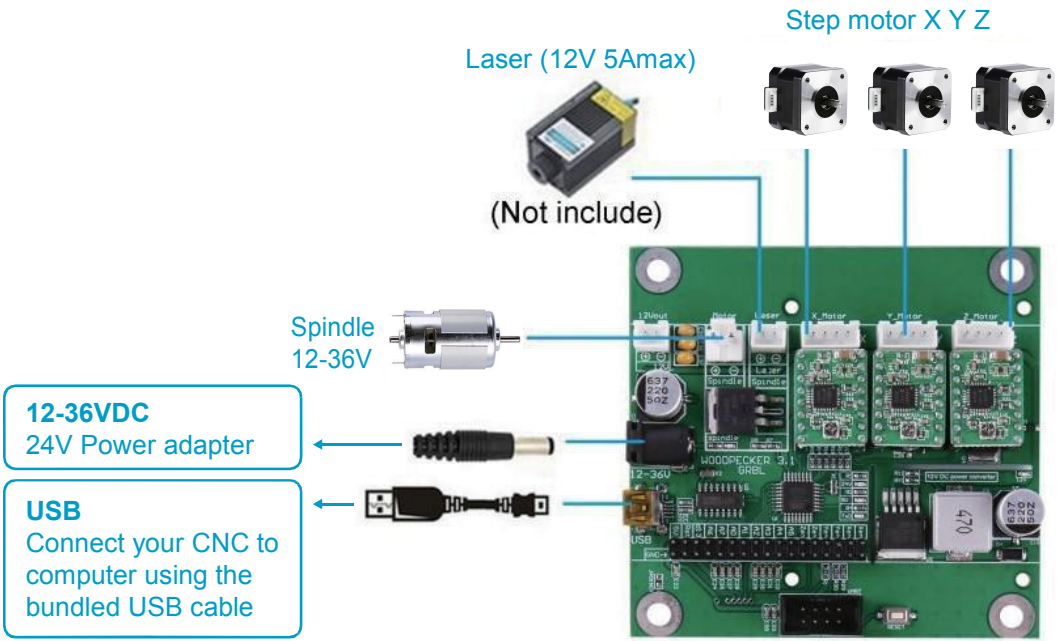


- Tighten the M4 bolt without using excessive force to prevent plastic damage.

Step 7 Control board



Step 8 Wiring diagrams



Step 9 Milling cutter installation

Copper chuck:

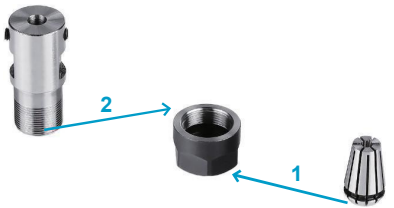
1. Screw the M3 set screws into thecopper chuck.

2. Install the copper chuck into the motor and tighten thescrews.

3. Install the milling cutter into the copper chuck and tighten the set screws.

ER11: Pre-installation

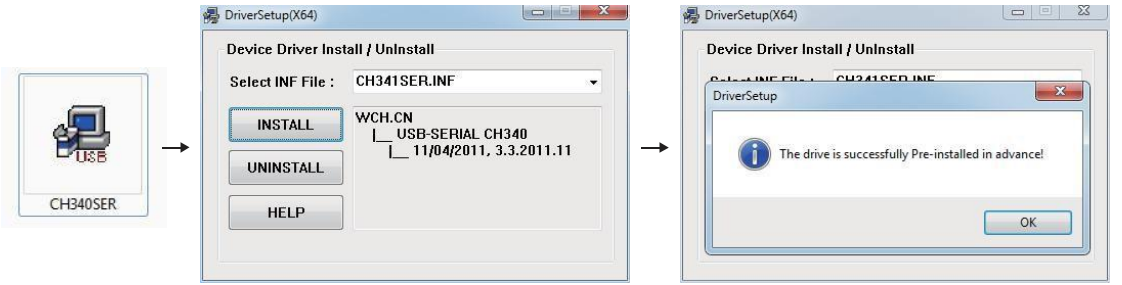
1. Install the ER11 into the ER11 extension rodholder.



2. Install the ER11 extension rod holder into the motor. Generally, it's a little difficult to install.
   Installation: The aperture is smaller than the actual 0.02mm. According to the high-frequency heating (300 degrees Celsius), thermal expansion and contraction principle, to expand the hole, then insert the spindle and lock it, and then fix the shaft collet after cooling completely.

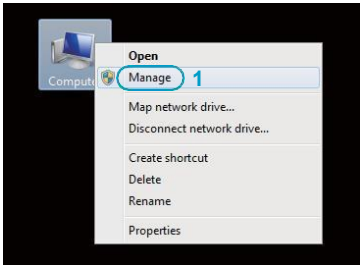
Part 3: Debugging

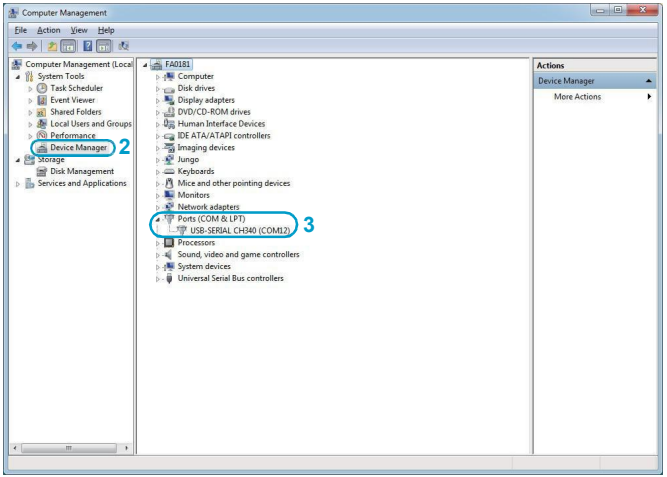
1. Install the driver (software → Driver → CH340SER.exe)



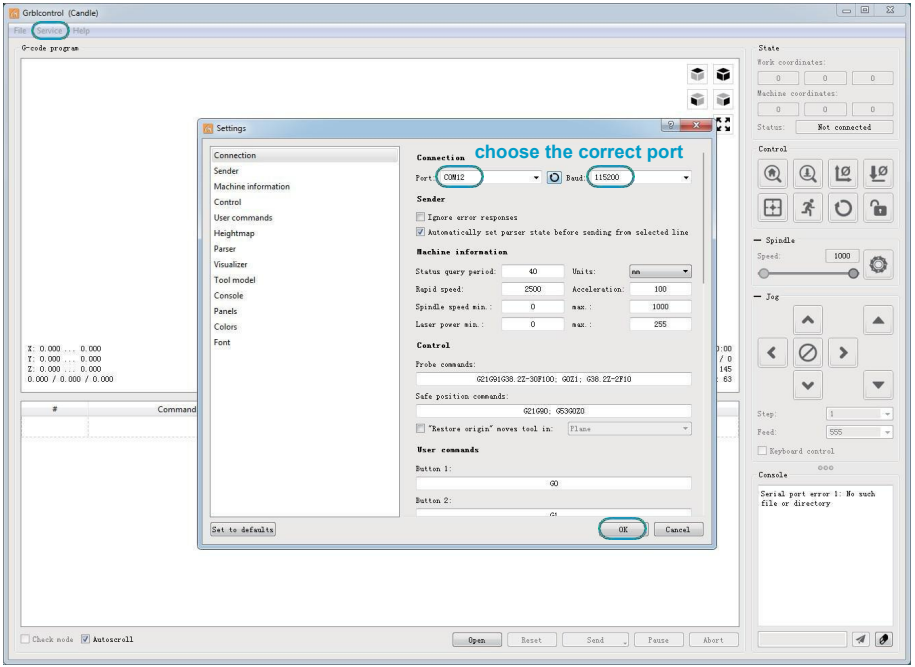
2. To Determine your Machine's COM port:

- Windows XP: Right click on "My Computer", select "Manage", select "DeviceManager".
- 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".





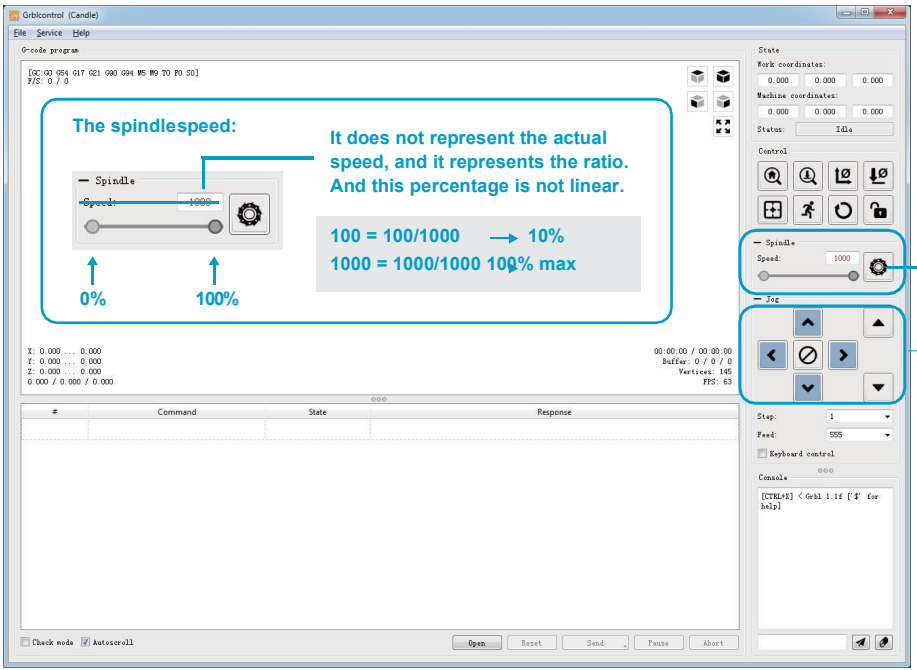
3. Open Grblcontrol software(software ➔ Grblcontrol ➔ GrblControl.exe)



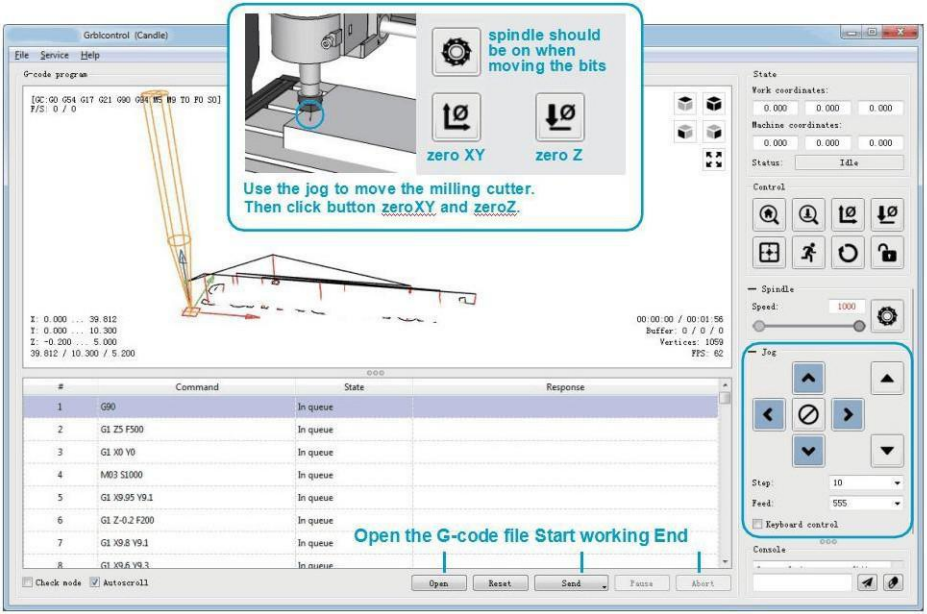
• Console window print ” [CTRL+X] < Grbl 1.1f ['$' for help]” If the connection issuccessful.

• Console window print ” Serial port error 1: No such file or directory “ indicate that the connection isfailed.

• Grblcontrol Use



• Tool settin


spindle should be on when moving the bits
zero XY
zero Z
Use the jog to move the milling cutter.
Then click button zeroXY and zeroZ.
Open the G-code file Start working End

IF YOU HAVE ANY ISSUES
JUST FEEL FREE TO CONTACT US
by bigbangamazon@yahoo.com.