

Z605S Installation Instructions

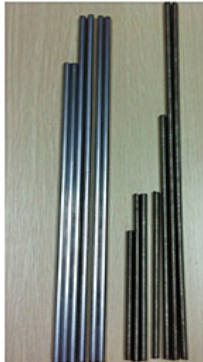
NOTES:

1. Please ensure that the package is intact before signing.
2. After unpacking, please confirm the package and quantity is consistent with enclosed packing list.
3. If any question, please contact our customer service manager immediately.

Full other parts

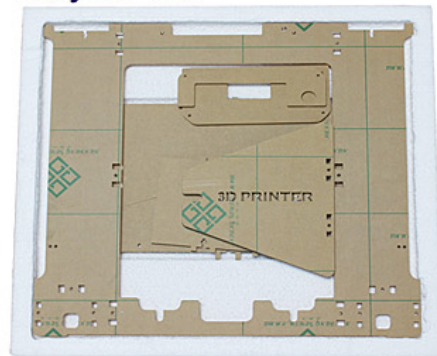


All lead-screw and feed rod

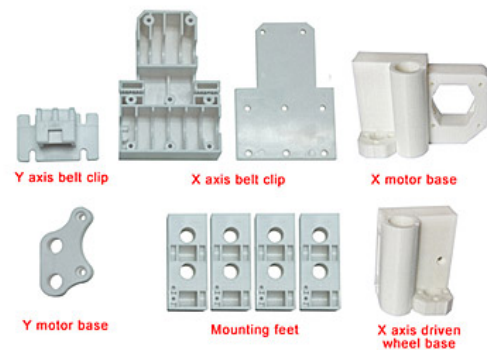


From left to right:	Name	Length	Quantity
	Feed rod	321	2
	Feed rod	380	4
	Lead screw	130	1
	Lead screw	172	3
	Lead screw	260	1
	Lead screw	490	2

Acrylic Parts



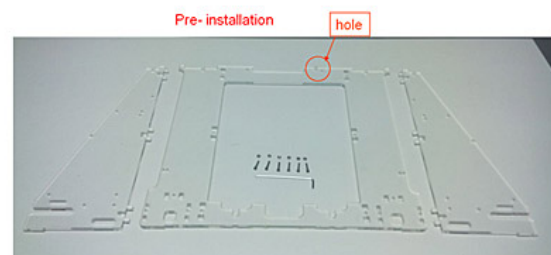
Full Injection molding Parts



No.1

Post-installation picture

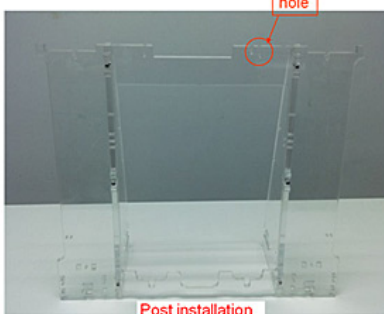
Prepare: 1*Sight rail, 2*side plate(4 holes), 6*M3 nuts, 6*M3*16mm screws. [Installation video\(001\)](#)



NO: 2

Install the whole frame of sight rail

Install as the picture shown, put the sight rail and right side plate together, the same as the other side. (If the holes cannot match, pls reverse it.)

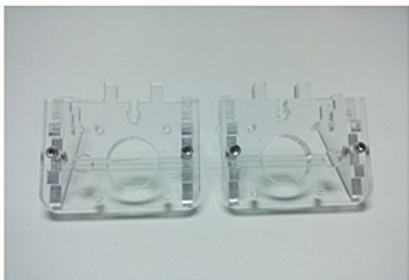


Post installation

NO: 4

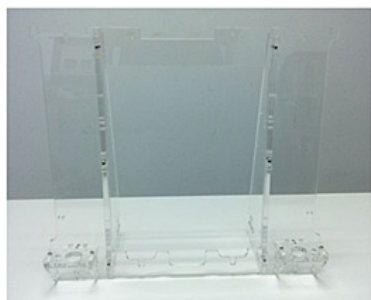
Install as below, if the holes cannot match, pls reverse it.

After installation



NO: 6

Z axis motor base install to the sight rail-2

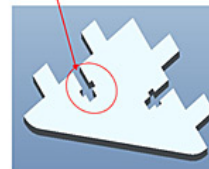


Post Installation

NO: 3

Install as shown below

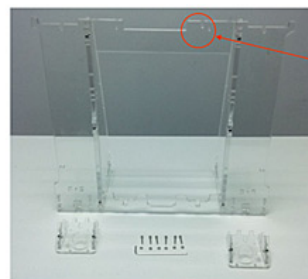
Now, we install other acrylic parts as steps: prepare 1*Z axis motor installation base, 2*Z axis supporting base, 2*M3*16 screws mm, 2*M3 nuts. [Installation video\(002 Z axis motor base left installation, 003 Z axis motor base right installation\)](#)
Notice: all slots used for M3 nuts installation, don't assemble them rudely, if cannot, pls change the other face to install or use a tool to extend the size.



No.5

Z axis motor base install to the sight rail-1

Pls pay attention: when the logo face to us, the left plate have two holes, don't install it backward. 6*M3*16mm screws, 6*M3 nuts (If the holes cannot match, pls reverse it)
[Installation video: 004](#)



Pre- installation

NO: 7

The installation of upper plate

Prepare: 4*top fixing plate, 4*M3 nuts, 4*M3*16 screws.

[Installation video\(005\)](#)

(Attention: If the holes cannot match, pls reverse it)

Pre-installation



After installation

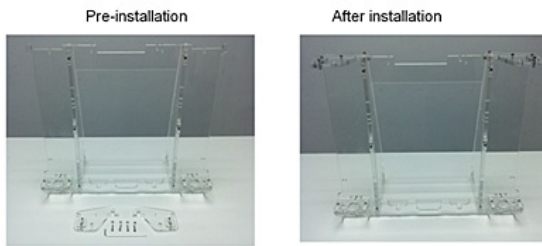


NO: 8

The finished upper plates intall to the sight rail

Prepare:2 finished upper plates,4*M3 screws,4*M3 nuts

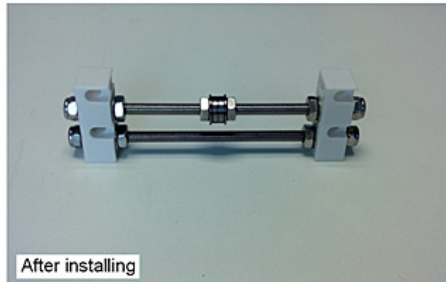
Installation Video(006)



NO: 10

As shown below

Install as below,don't tighten the 688 bearing with edge in case of adjusting.



NO: 12

Install as shown below

Installing as below,don't tighten the nuts in case to adjust,keep the direction of 2 mounting supports coincident.(on the left mounting support ,there are two more M2 mounting holes)



M2 holes on the left side



No.9

The front base installation

Prepare:2*170mm lead-screws,6*M8 nuts,4*M8 self-locking nuts,8*M8 shims,2*mounting support,2*688 bearing with edge.

Installation video(007)



NO: 11

The back base installation

Prepare:1*260mm lead-screw,1*170mm lead-screw,12*M8 nuts,4*M8 self-locking nuts,16*M8 shims,2*mounting support,1*Y axis motor base

Installation video(008)



NO: 13

Installation of base frame-1

Prepare:2*400mm lead-screws,2*380mm feed rods,8*M8 nuts,4*M8 self-locking nuts,12*M8 shims,3*box-type bearing,the finished base parts.

Installation video(009)

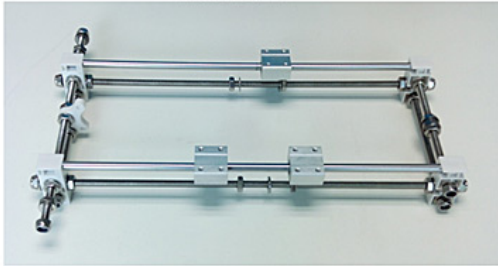


NO: 14

Installation of base frame-2

Attention: please kindly note the position and quantity of box-type bearing

Post installation



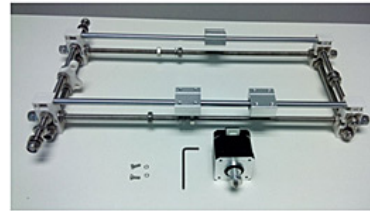
NO: 15

Install the Y axis motor base as below shown

Prepare: 2*M3*12 screws, Y axis motor (the timing pulley is installed before installing, don't fix tightly).

Installation video(010)

Pre-installing



Post-installing



NO: 16

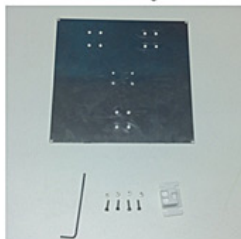
Installation of the bottom of ho

Prepare: 4*M3 screws, 4*M3 nuts, 1*Y axis belt cli aluminium sheet

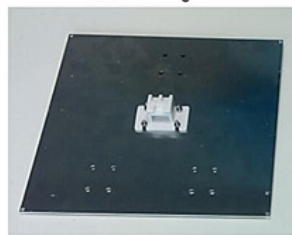
(Pls pay attention to the direction of Y axis belt c

Installation video(011)

Pre-installing



Post-installing

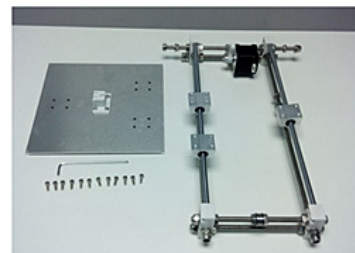


NO: 17

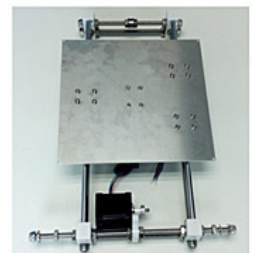
Install the hot bed to the base frame

Prepare: the base frame, the finished hot bed aluminium sheet, 12*M4 screws.

Installation video(012)



Pre-installing



Post-installing

NO: 18

Hot bed installation

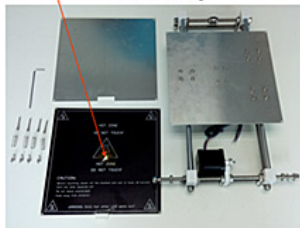
Prepare: base frame, hot bed aluminium sheet, PCB board, 4*M3 screws, 4*springs, 4*claw nuts.

Pls notice the front and back of PCB, the down face has a thermistor.

Installation video(013)

thermistor

Pre-installing



Post-installing



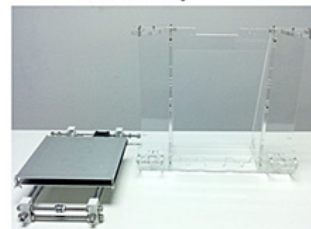
NO: 19

Assemble of base frame and the acrylic frame together

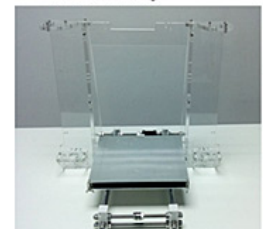
Prepare: base frame, acrylic frame. Pay attention to the position of nuts and screw down the acrylic.

Installation video(014)

Pre-installing



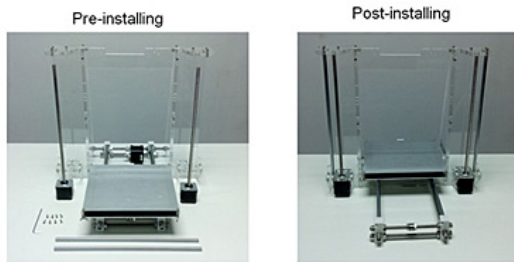
Post-installing



NO: 20

Install of Z axis motor

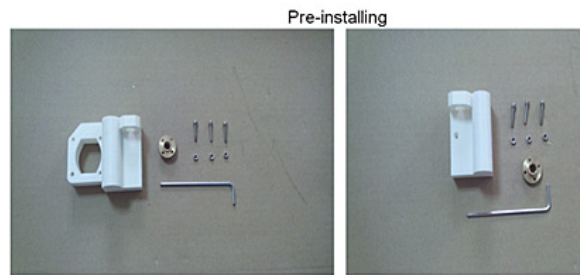
Prepare: 2*Z axis motor, 2*feed rods, 8*M3 screws, 8*M3 shims.
[Installation video\(015\)](#)



NO: 21

Trapezoidal nut installation-1

Prepare: 2 trapezoidal nuts, 8*M3*12mm screws
[Installation video\(018-019\)](#)



NO: 23

X axis passive base bearing installation

Prepare: X axis passive base, 1*M3 screw, 1*M3 nut, 2*bearing with edge
[Installation video:\(020\)](#)

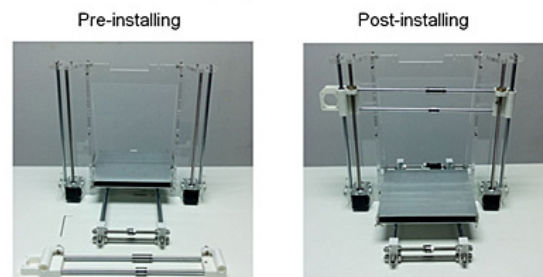


NO: 25

X axis install to Z axis lead-screws

Prepare: X axis module, sight rail frame

Attention: the distance between the T nuts is the same as the distance between the Z-axis motors.
[Installation video\(022\)](#)



NO: 22

Trapezoidal nut installation-2

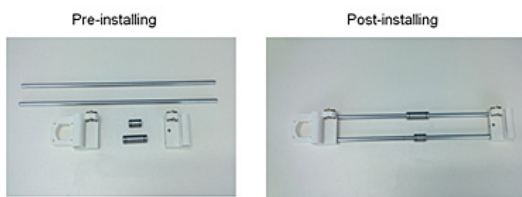
Post-installing



NO: 24

X axis module installation

Prepare: X axis passive base, X axis motor base, 1*long and short bearings
[Installation video\(021\)](#)



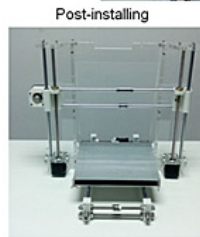
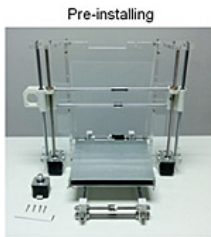
NO: 26

Installation of X axis motor

Prepare: X axis motor, 4*M3 screws.

Installation video:(023)

The position of plug

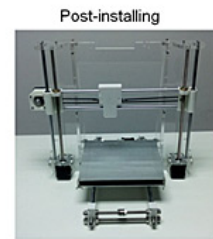


NO: 27

Install X axis belt and motor cabinet as below

Prepare: 1*belt, 2*white ribbon, 1*X axis belt clip, 1*X axis belt clip cover, 8*M3 self tapping screws.

(Installation video:(024)

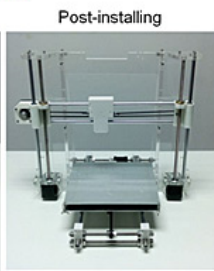
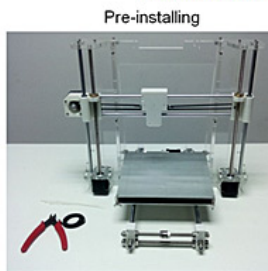


NO: 28

Install Y axis belt as below

Prepare: 1*belt, 2*ties

Installation video:025

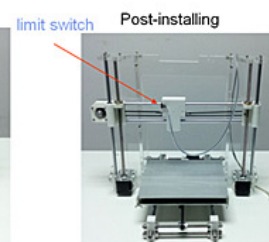


NO: 29

Installation of X axis limit switch

Prepare: 1*limit switch, 2*M2 self tapping screws

Installation video:(026)

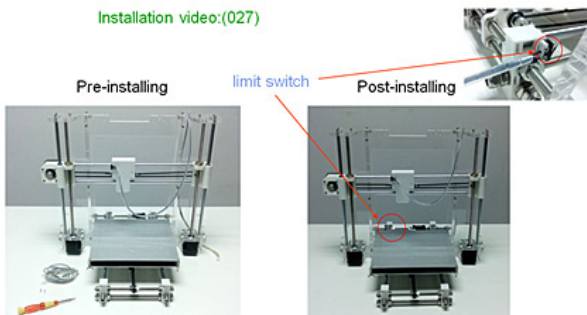


NO: 30

Installation of Y axis limit switch

Prepare: limit switch, 2*M2 self trapping screws

Installation video:(027)

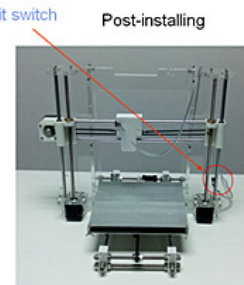
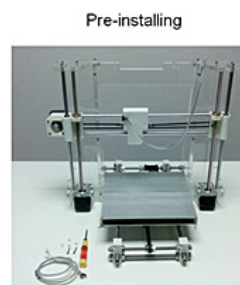


NO: 31

Installation of Z axis limit switch

Prepare: limit switch, 2*M2 screws, 2*nuts

Installation video:(028)



NO:32

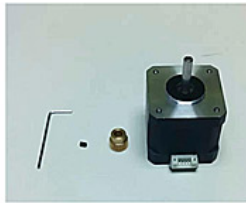
MK8 Extruder Assembly

1.Extrude Wheel Installation

Prepare material as below: one step motor, one M3 jackscrew, one extrude wheel.

Note: The distance between extrude wheel and step motor is 1mm.
Installation video (MK8 Extruder assembly video.wmv)

Pre-installation



Post-installation



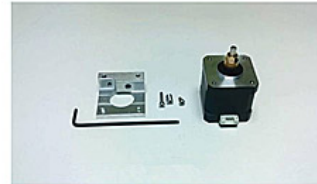
NO: 33

MK8 Extruder Assembly

2.Motor and Aluminum Part Installation

Prepare material as below : 1* step motor, 2* M3 screws , 1* aluminum part, 1* aluminum column.

Pre-installation



Post-installation



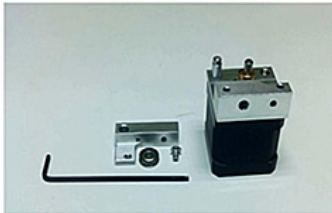
NO: 34

MK8 Nozzle Assembly

3.Line Pressing Roller

Prepare material as below : 1* U type line pressing roller, 1* M4 screw.

Pre-installation



Post-installation



NO: 35

MK8 Nozzle Assembly

4. Spring and Sheet Metal installation

Prepare material as below : 2*M3 screws, 1*M6 Screw, 1* sheet metal, 1* spring.

Pre-installation



Post-installation



NO: 36

MK8 Nozzle Assembly

5.Brass Nozzle and Heat Block Installation

Prepare material as below : 1* brass nozzle, 1* M6 nut, 1* heat aluminum part, 1* M6 shrapnel, 1* pipework.

Pre-installation



Post-installation



NO: 37

MK8 Nozzle Assembly

6. Heating pipe & thermistor installation

Prepare material as below : 1*heater pipe, 2* M3 jackscrew, 1* thermistor.

Pre-installation



Post-installation



NO: 38

MK8 Nozzle Assembly 7. Cooling Fin & Fan Installation

Prepare material as below : 1* fan, 2* M3 screws,
2*ABS pillar, 1*cooling fin.

Pre-installation



Post-installation



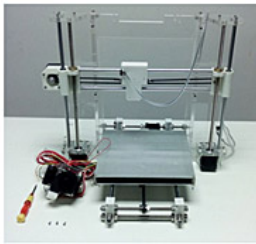
NO: 40

Install MK 8 extruder as below

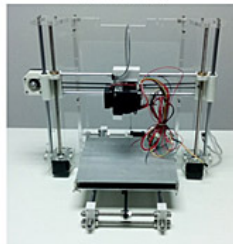
Prepare: 1*extruder suite,3*M3 self trapping screws

Installation video:030

Pre-installing



Post-installing



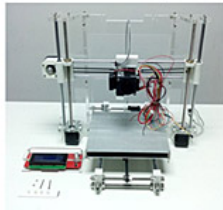
NO: 42

LCD screen installed to the sail rail

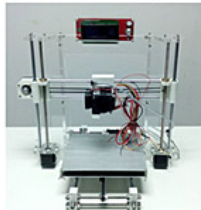
Prepare: LCD screen,2*M3 screws,,2*M3 nuts,4*
nuts,4*ABS pillars).

Installation video:032

Pre-installing



Post-installing



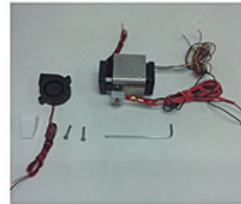
NO: 39

MK8 Nozzle Assembly 8.Guidetuyere & Fan Installation

Prepare material as below: MK8 Nozzle, 2* M4
screws, 1* fan , 1* guide tuyere.

Installation video (029 guide tuyere , Fan video.wmv)

Pre-installation



Post-installation



Note: 40*40 fan,
connect to port of
powersupply on
mainboard. Red line
connect positive. Black
line connect negative.

Blower fan connect to extrude fan of controllerboard

NO: 41

Install LCD screen as below

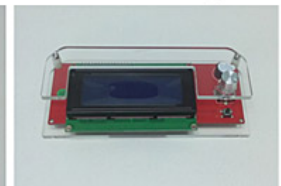
Prepare: 1*LCD screen,2*M3 screws,2*M3 nuts,4*ABS pillars

Installation video:031

Pre-installing



Post-installing



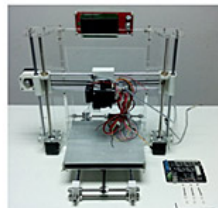
NO: 43

Mainboard install to the right side plate

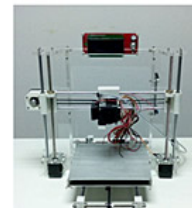
Prepare: 1*mainboard,3*M3 screws,3*M3 nuts,6*ABS pillars

Installation video:(033)

Pre-installing



Post-installing



NO: 44

Install power supply as below



Assemble the wires as picture shown

NO: 45

Voltage Setting

Choose the voltage suited in your country.



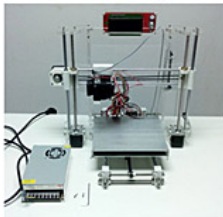
NO: 46

Power supply install to the right side plate

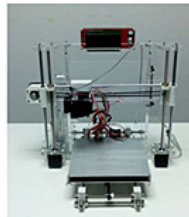
Prepare: 1*power supply, 2*M3 screws

Installation video: (034)

Pre-installing



Post-installing



NO: 47

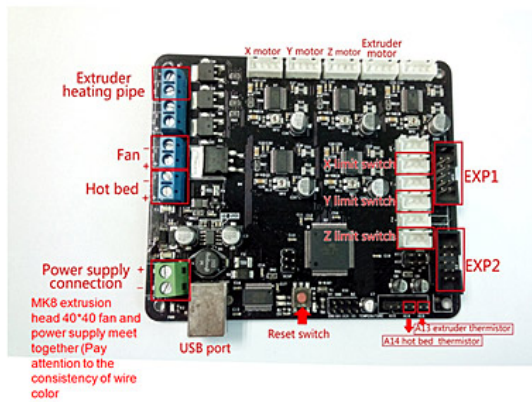
Connect the LCD screen to the mainboard

Prepare: LCD screen, mainboard, 2*10 Pin conveyor belt. EXP1 on LCD screen connect to EXP1 on mainboard, EXP2 to EXP2.



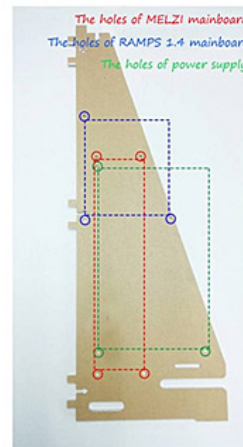
NO: 48

Connect the wires as show below



NO: 49

The hole to install Power supply

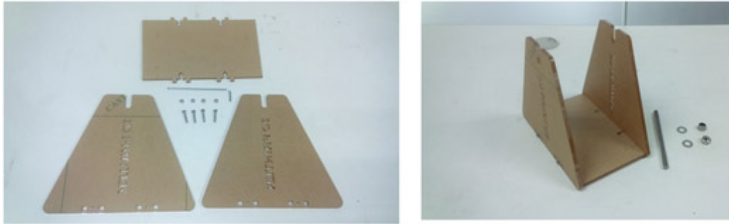


N0:50

Rack stand shelf installation

Prepare:3 acrylic boards as shown,4*M3*12 screws,4*M3 nuts,a lead-screw,2*M8 self-locking nuts,2*shims.

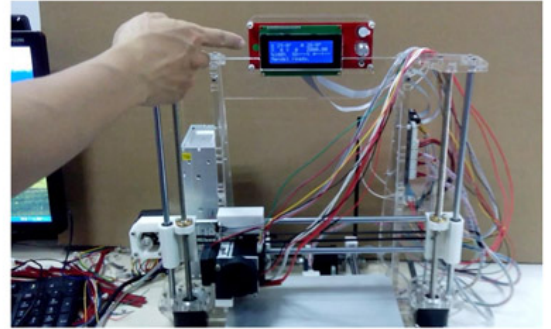
Installation video:(034)



N0:51

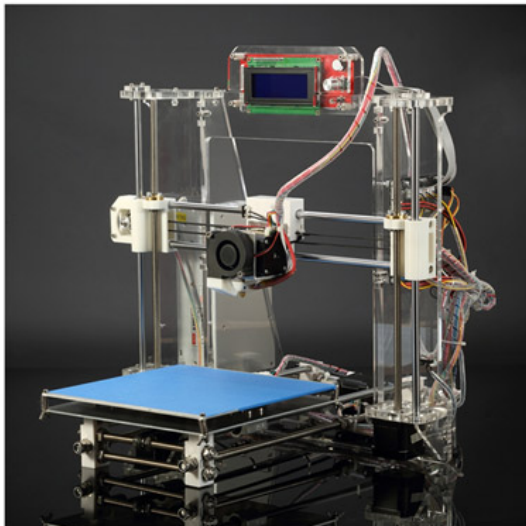
Material feeding video

Installation video:(035)



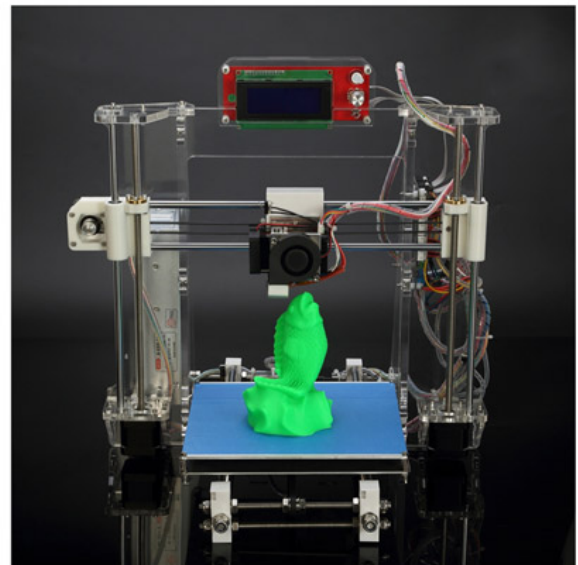
N0:52

Post-installation picture 1



N0:53

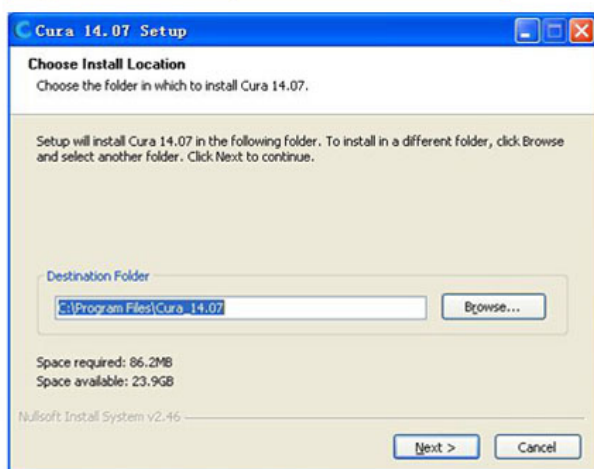
Post-installation picture 2



Cura Software Installation Procedure:

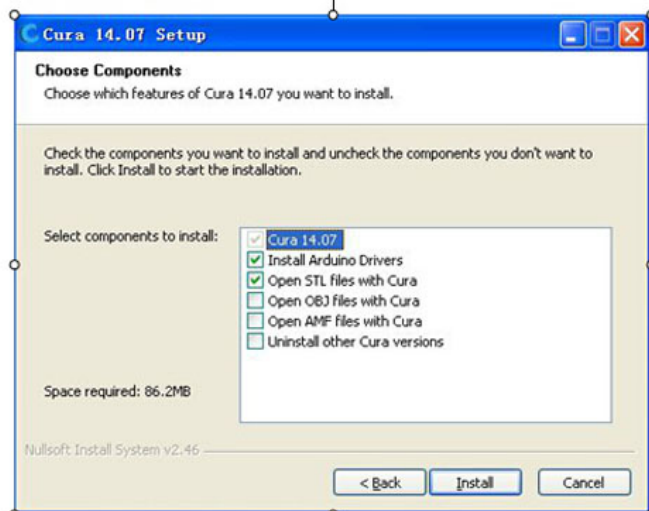
1. Cura installation

2. Open the file in CD, click

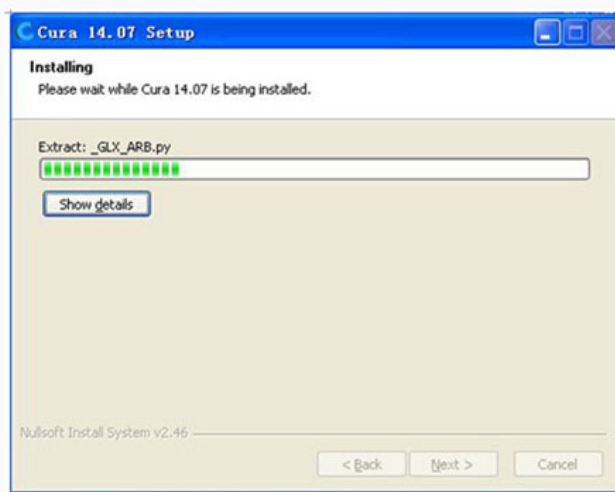


3. Choose installation path, we suggest default setting,

then click "next".



4. Choose the driver and related files, we suggest default setting, then click "install".



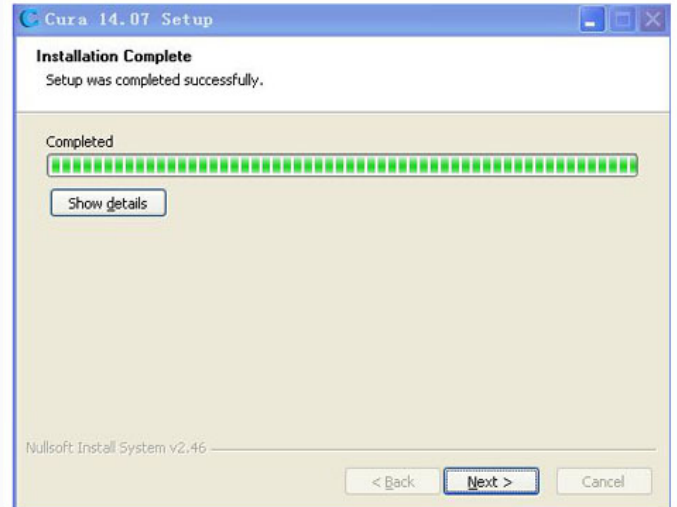
5. Click "next".



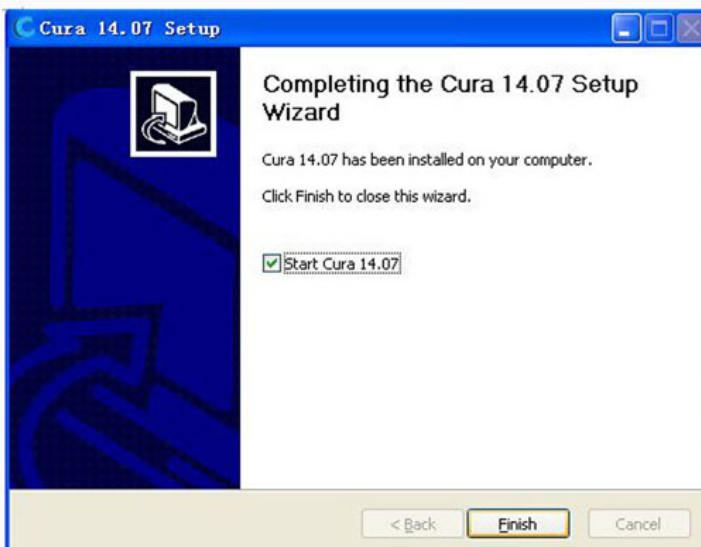
6.Click“Finish”.



7.Click“Next”.



8.Click“Finish”,the driver installation finished.

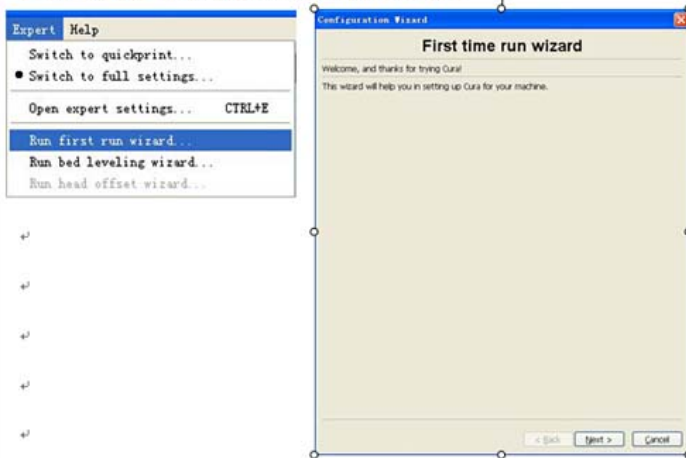


Cura Software Instruction:

1. Open the software "Cura".

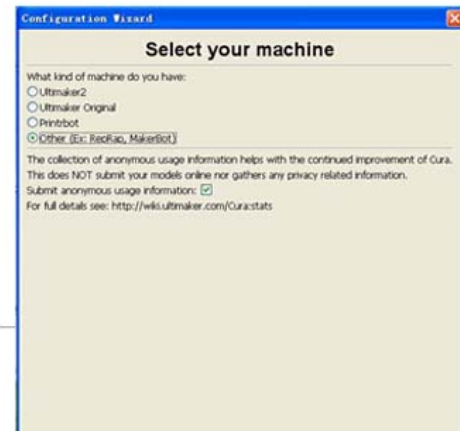


Click "Expert" -> Run first run wizard, then "next".

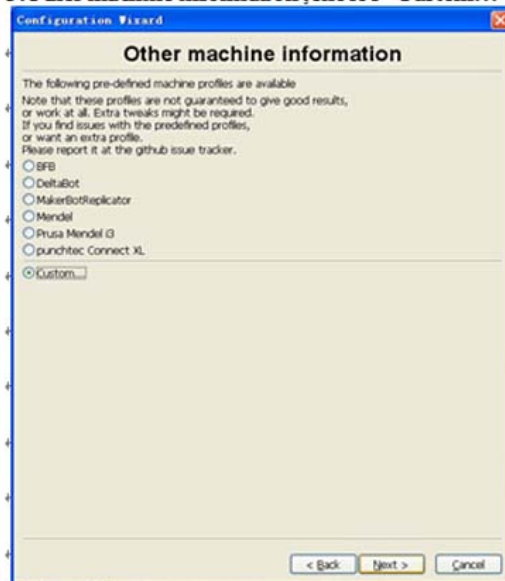


2. (Select your machine) choose "Other(ex: RepRap, MakerBot)"

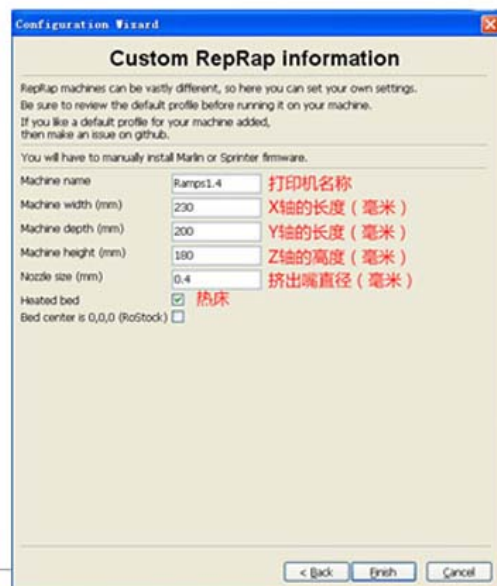
click Next >.



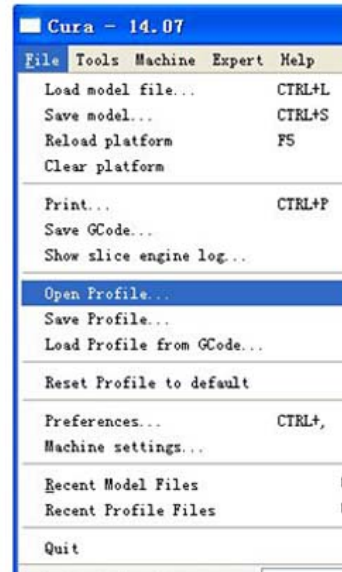
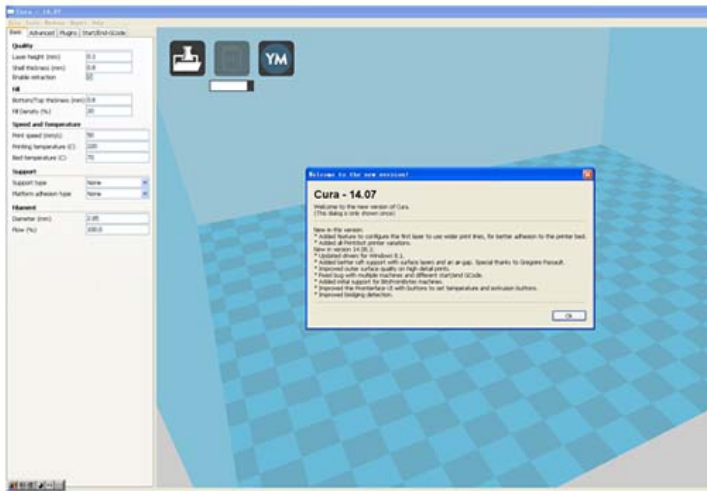
3. Other machine information, choose "Custom..."



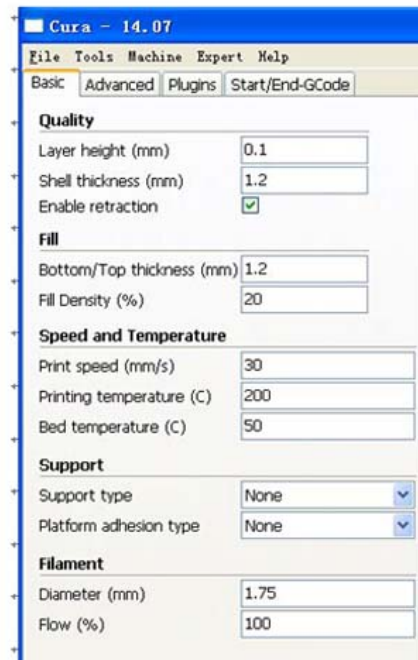
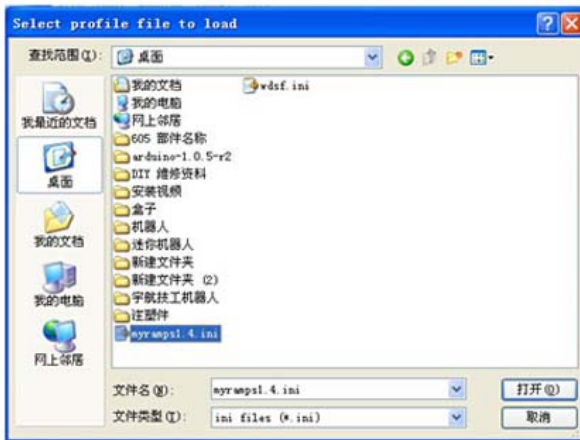
4. Click "Finish".

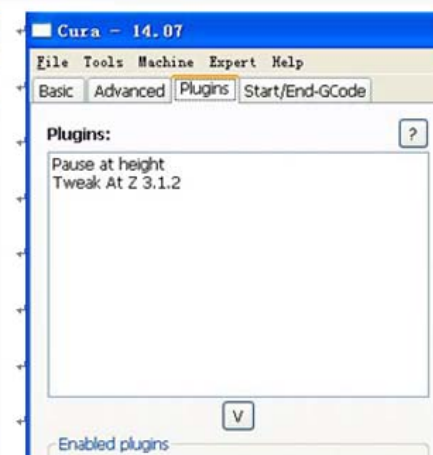
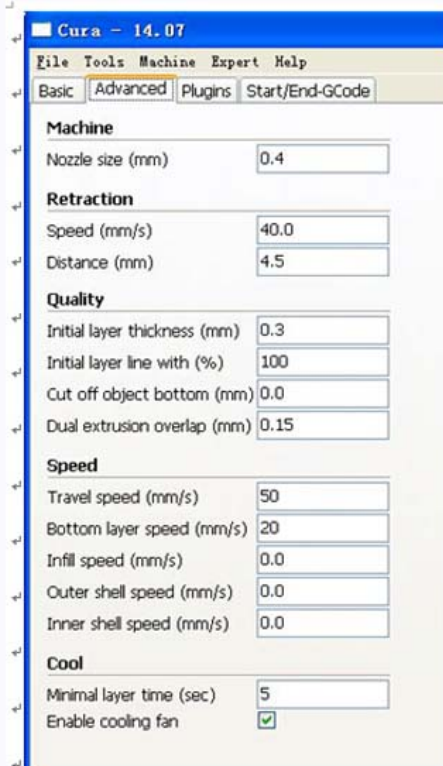


5. Open the configuration file, click <File> — <Open Profile>



6. Choose <myramps1.4.ini> where you saved in your computer. 7. Load the configuration file first, set all the parameters as below. ***



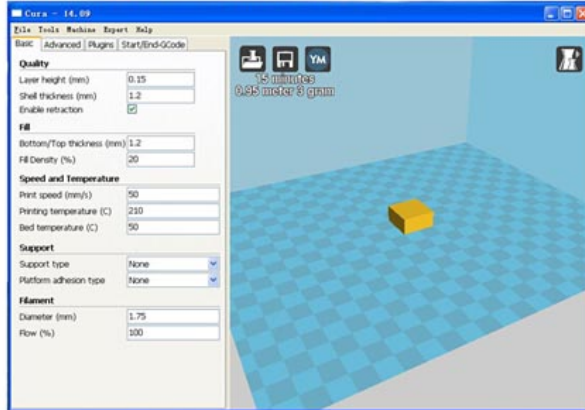


Pls according to the parameters strictly, any new attempt is also ok if you know the machine well. Large size mode, the speed could set higher. Small ones, pls set lower.

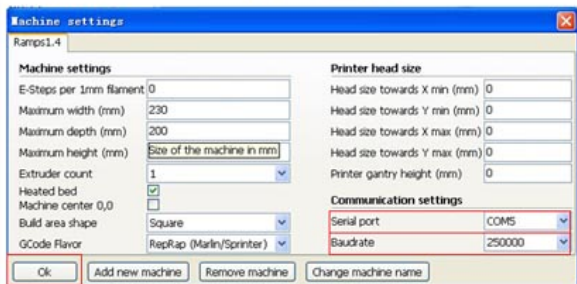
Attention: pls don't try to modify the parameters whatever you want. Or possibly the printer could go to die seriously.

CURA Online Printing

1. Open Cura, load the STL file and set the specific parameter (more information pls check "STL model setting").



3. Renew and change the serial port and baudrate.

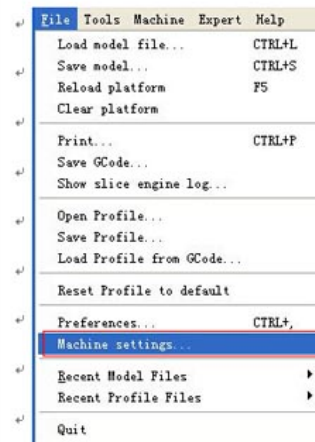


4. Click "OK", showing that means the printer is well connected.

7. When the temperature up, the printer will start to work.



2. Second, set the "machine setting".



4. Click "OK", showing that means the printer is well connected.

5. Click "Print" the new dialog box show.



6. Click "Print".

