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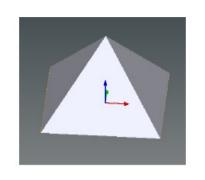


# Utility V6.3.0 & Touch screen Panel User Manual Mar. 2020

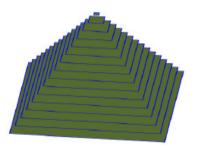
# Printing work flow

This manual focus on the work flow of 3D file preparation and Printing setting

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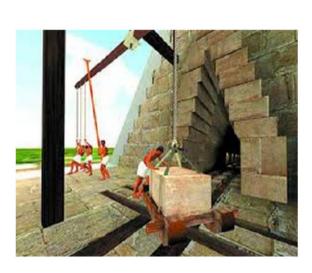


1. Get 3D file (\*.stl) from a. CAD b. 3D scanner



2. 3D file preparation

- a. Repair 3D file
- b. Build supports
- c. Slice (Layer thickness)



- 3. Printing setting
  - a. Material selection
  - b. Tilt speed
  - c. Printing optimization



- 4. After printing
  - a. Post curing
  - b. Remove supports
  - c. Grinding (optional)

# Main Content

- 1. System requirement (page 5)
- 2. Open Utility and Connect to printer (page 6-9)
- 3. <u>Import file</u> (page 10-11)
- 4. <u>Hot key</u> (page 12)
- 5. <u>Semi-Auto mode</u> (page 13)
- 6. <u>Duplicate and resize model</u> (page 14-17)
- 7. Generate Nameplate (page 18)
- 8. Back and Next (page 19)
- 9. <u>Auto arrangement</u> (page 20)
- 10. Auto support (page 21)

# Main Content

- 10. Model arrangement (page 22)
- 11. Build supports (page 23-29)
- 12. Build support View mode (page 30-43)
- 13. <u>Tool bar</u> (page 44-49)
- 14. Prepare printer connection
- 15. Printer setting (page 50-52)
- 16. Printer setting (.mps) (page 53-64)
- 17. Print via computer (page 65-66)
- 18. Engineering mode (computer) (page 67-69)
- 19. Printing record and update firmware (page70)

#### 20. Print via touch screen panel (page 71-79) Strictly Confidential

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# System requirements for using Utility

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These are the basic requirements for using Utility on a PC. If your device does not meet these requirements, you can still install Utility, but may not have the greatest experience with Utility.

Operating system:	Windows 10	
CPU:	Intel Core i7 or above	
RAM:	8 GB or above	
Hard drive space:	250 GB SSD or above	
Graphic cards:	Dedicated Graphics 2GB or above ; Support Open GL 3.3 or above	
Browser:	Use Google Chrome only	
Wifi Dongle: (Optional)	Advance Series/ Profession Series / Prime Series / Hyper Series suggest to use with D-Link DWA-127 Wireless Networking Adapter.	
	Ultra Series suggest to use with EW-7811Un NETWORKING PEOPLE TOGETHER Other brand and model of wireless network adapter may not compatible to our printer	

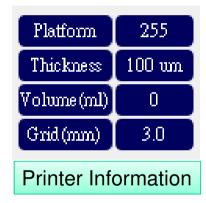
# Open Utility and Connect to printer

- MICRAFT Utility.exe Unzip the installation file, and click Utility.exe 1) Need to connect to printer first, otherwise cannot use Utility 2) Size(mm): X -- Y 255 Platform 100 um Thickness olume(ml) 3.0 Grid (mm) ? X Printer Choose a printer Search for connected printer Advance 255 Advance 255 Name Advance 255 Manual key in IP location of printer IP address Layer Thickness(um) 100 Grid(mm) 3.0 →× Printing Setting - 🕒 💊 🗙 Slow Ok
  - Printer connection method introduce in the next page

- 1) Connect your printer with laptop
- -Basic : Connect printer and laptop by RJ-45 cable [Initiating time 1 minute]
- -LAN : Connect both printer and laptop to local area network [Initiating time a few seconds]
- -IP sharer : Connect both printer and laptop to IP sharer [Initiating time a few seconds]
- -WIFI dongle : Insert WIFI dongle into printer USB port => Panel: Engineering mode => Wifi => Connected WIFI dongle => Key in IP(Wifi) location shown on printer on Utility [Initiating time a few seconds]

# Choose a Printer

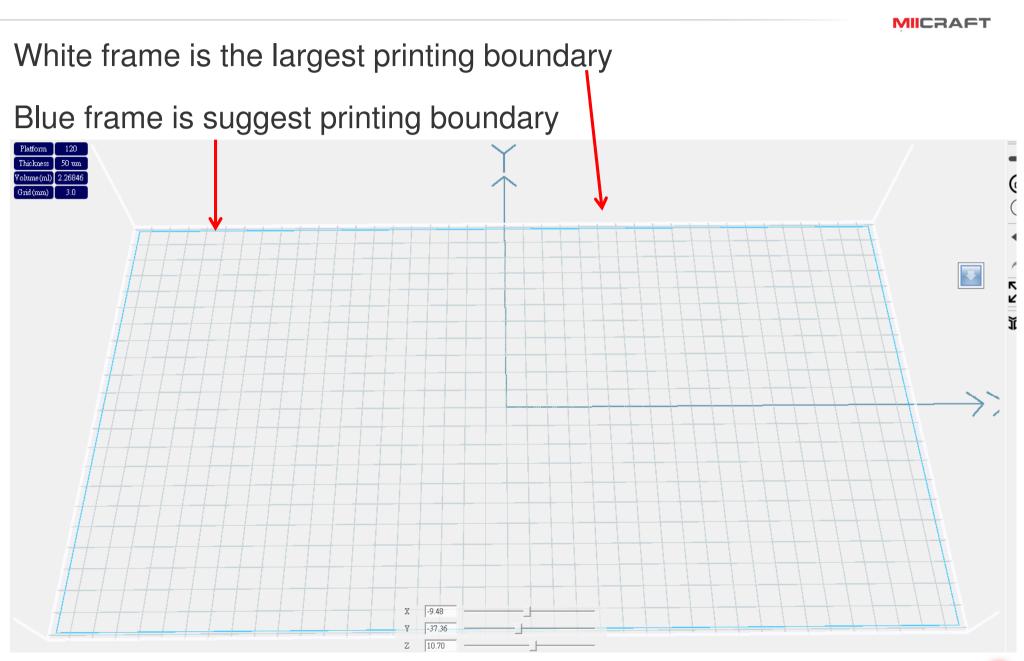
Select printer, also select building platform size.
 Set Z layer thickness. Set building platform grid size.
 Set printer information whenever using this panel.



Choose a printer		
•	Advance 255	- 2 🗟
	Advance 255	
Name:	Advan	uce 255
IP address:		
ayer Thickness(um)	100 -	Grid (mm) 3.0
low		- E

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# Open Utility and Connect to printer



# Import file

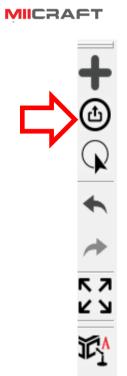
- 1) Two way to import .stl file
- ① Tool bar, icon as picture on the right
- ② Drag the .stl file from folder into Utiltiy



# Import file

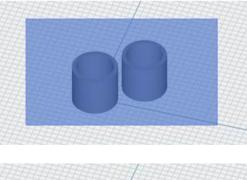
- 1) How to import .slc file (sliced file)
- ① Tool bar, icon as picture on the right

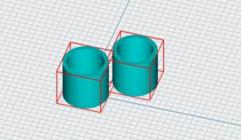
MiiUtility			
Step 1: Choose a printer			
•	Model 80	- 🕄 🔪	
	MiiCraft80		
Name:	Model 80		
IP address:			
Step 2: Select File			
Input:			Select .slc fi
Output:			
Estimated Time: 0H	22M 58S Layer Thickness(um): 5	1	
Step 3: Printing Setting			
Normal		- <b>X</b>	
Step 4: Convert File			
	0%	Convert	
Step 5: Launch 3D Printe	r		
	Launch to printing		





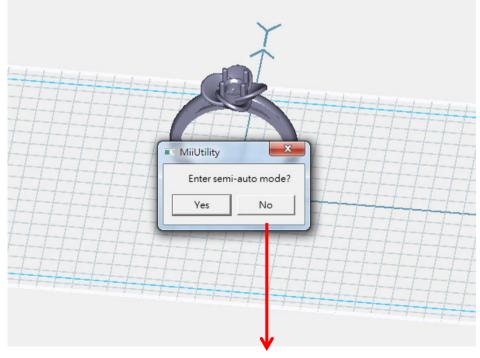
- **Right Mouse Button** Rotate platform
- Middle Mouse Scroll -Zooms in and out making the view of the build area larger or smaller
- Middle Mouse Button Move platform
- Alt+E = Move model +
- Alf+R = Rotate model 📿
- Ctrl + D = Duplicate object
- Ctrl + mouse click = Multi select the object
- **Ctrl + mouse click + drag** = Move multiple object
- Mouse click + drag area = Box selection





# Semi-Auto mode

Import model
 Click Tool bar "Printer"
 Enter Semi-auto mode
 Click Yes → Auto
 Auto support →
 slicing →convert



Complete arrange? Yes Modify S... ? X Complete supporter? Yes Modify

8

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\* If user already customize model arrangement and build support, click "No" to move on to slicing.

# **Duplicate and Resize Model**

- Tool bar, icon as picture on the right 1)
- Note: When the file name is high light, means the model been selected, now (1)instruction is active.
- Select "all" to do amplify or minify in a proportion scale 2

Dbjects	Dbjects
property import	property import
DR025-GG.stl 1	DR025-GG.stl 1
In a proportion scale	Differ scale in three axis
Duplicate	Duplicate
Object X Y Z Volume(ml)	Object X Y Z Volume(n
Size(mm):         18.0129         18.4917         26.2893         0.616392           Scaling Factor:         1         I         All	Size(mm):         18.0129         18.4917         26.2893         0.61639           Scaling Facto         1         1         I         All

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Volume(ml) 0.616392 **Duplicate and Resize Model** 

- 2) Property import, the setting will apply to every model import later
  - EX: Property import setting Z axis rotate 90 degree, X,Y,Z amplify
  - 2 times, so the model import later will all follow this setting

Objects	8 22	
property import		
DR025-GG.stl 1		
		Property Setting
		X Y Z Rotation: 0 0 90
Duplicate	1	Scale: 2 2 2
Object X Y Z	Volume(ml)	Floor Apply Cancel
Size(mm):         18.0129         18.4917         26.2893           Scaling Factor:         1         I         All	[ 0.010392 ]	

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#### Duplicate and Resize Model

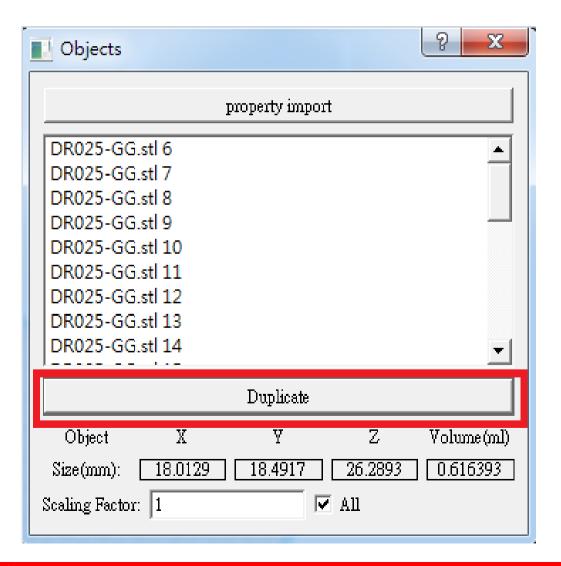
- 3) Property import, select "Floor" to let model import with Z coordinate zero
  - 2 X Report Setting Χ Y Ζ Rotation: 0 0 90 Scale: 2 2 2 🔽 Floor Cancel Apply



**Duplicate and Resize Model** 

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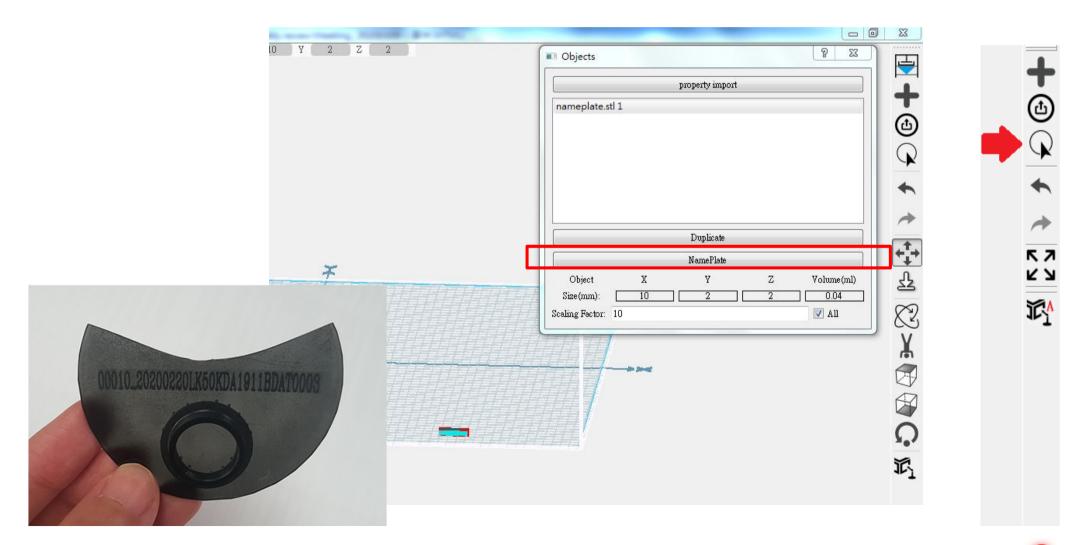
4) Duplicate selected model



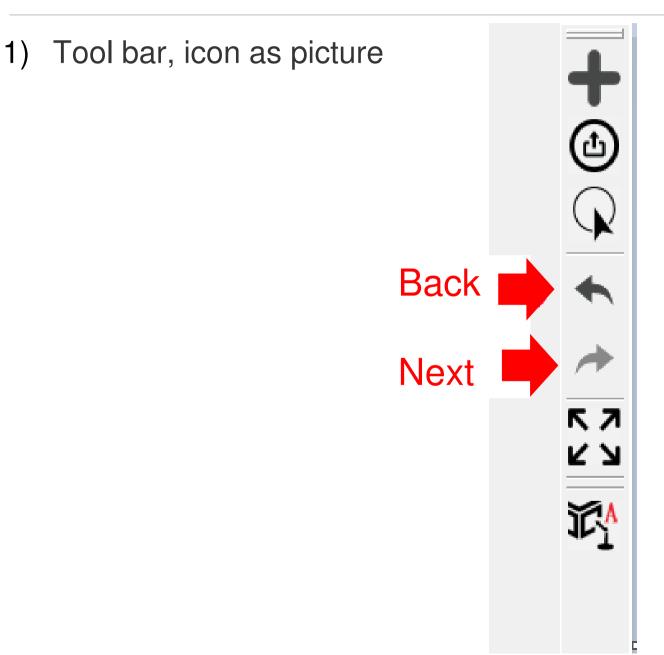
# Generate Nameplate on print model

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1) Nameplate is a serial number combines date, machine serial number and printing job number.

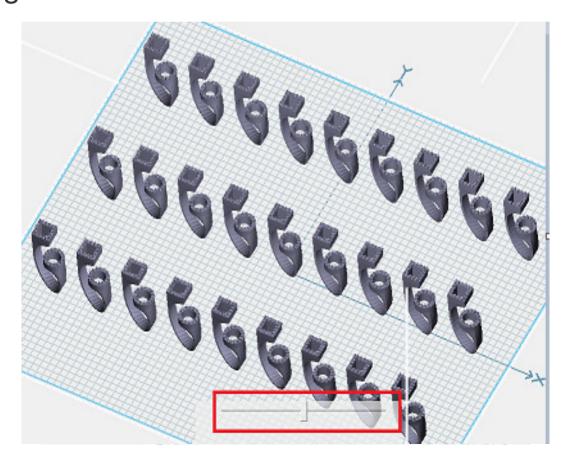


# Back and Next



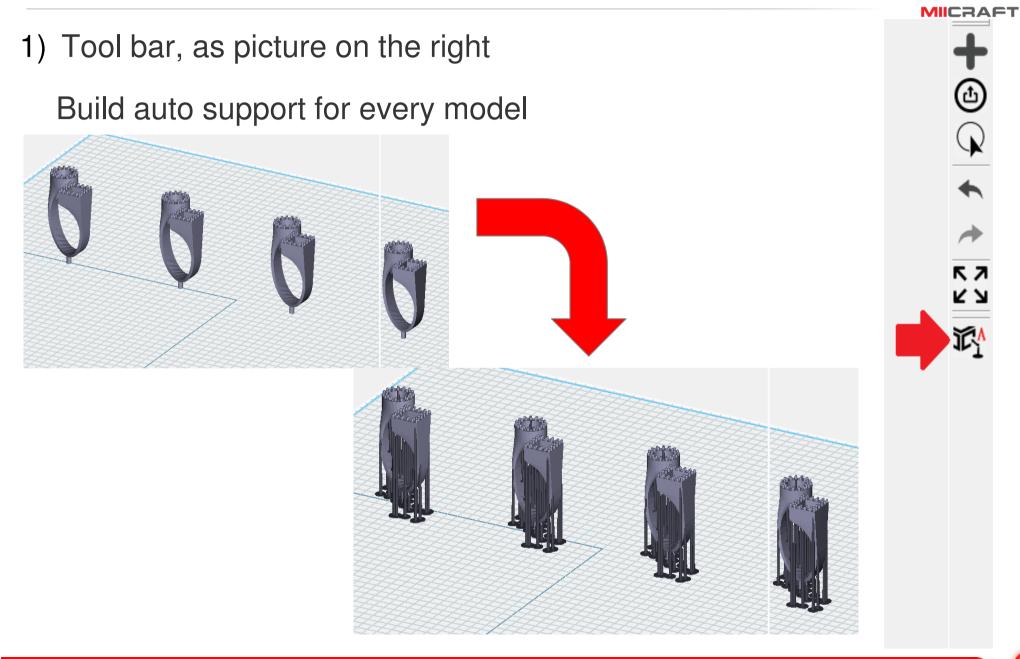
#### Auto arrangement

 Tool bar, icon as picture on the right
 Multiple model auto arrangement, and can adjust the spacing with horizontal scroll bar





Auto support

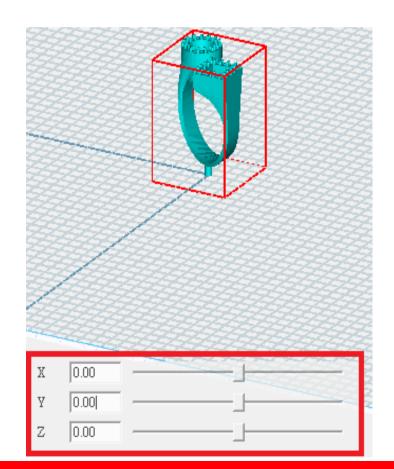


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Select one model (been high light), more setting shows up in tool bar (as below red box), here you can do customize model arrange, and build customize support

Size(mm): X 18.0129 Y 18.4917 Z 26.2893		
(	Dbjects	<b>+</b>
	property import	ⓓ
	DR025-GG.stl 6	$\mathbf{Q}$
ALC -		•
HHHHH		
		*
		÷‡÷
	Duplicate	<b>↓</b>
	Object X Y Z Volume(ml)	
	Size(mm):         18.0129         18.4917         26.2893         0.616392           Scaling Factor:         1         ✓         All	
		ZZZ 🗗
		¥ ₹ €
		Fi Fi

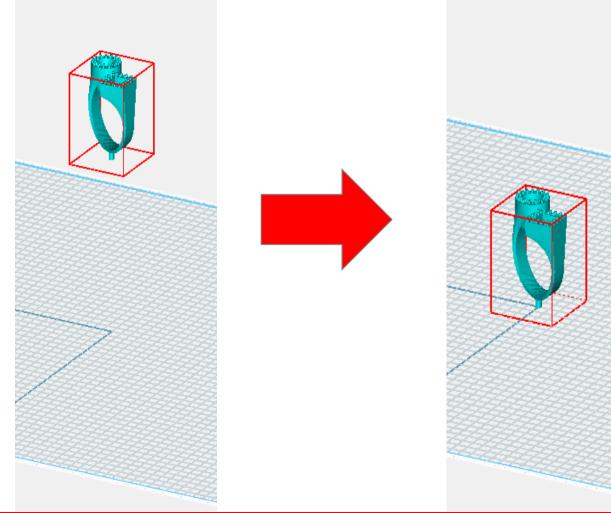
- 1) Select model, and click on tool bar
  - ① Drag and move the model
  - ② Or set X, Y, Z coordinate





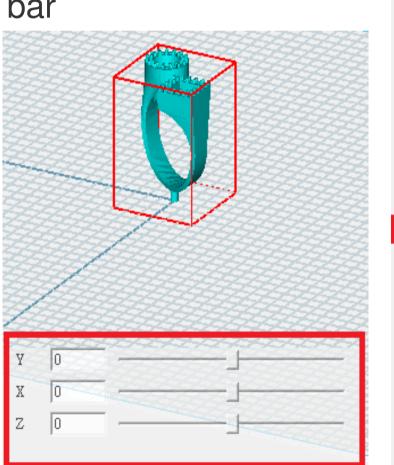
2) Select model, and click on tool bar

Put model down to floor



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- 3) Select model, and click on tool bar
- ① Set X, Y, Z axis rotation degree
- ② Or use horizontal scroll bar



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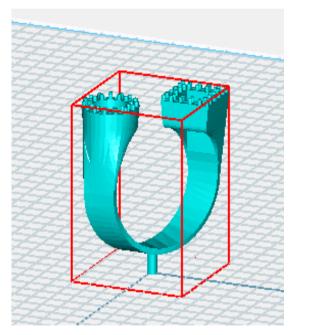
đ

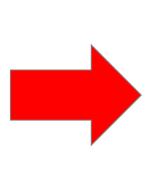
沉

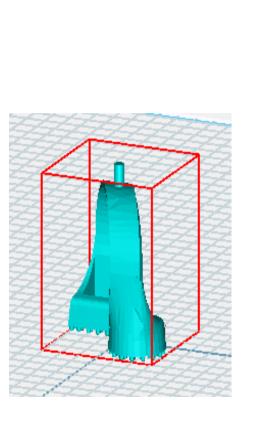
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4) Select model, and click on tool bar

Put model upside down

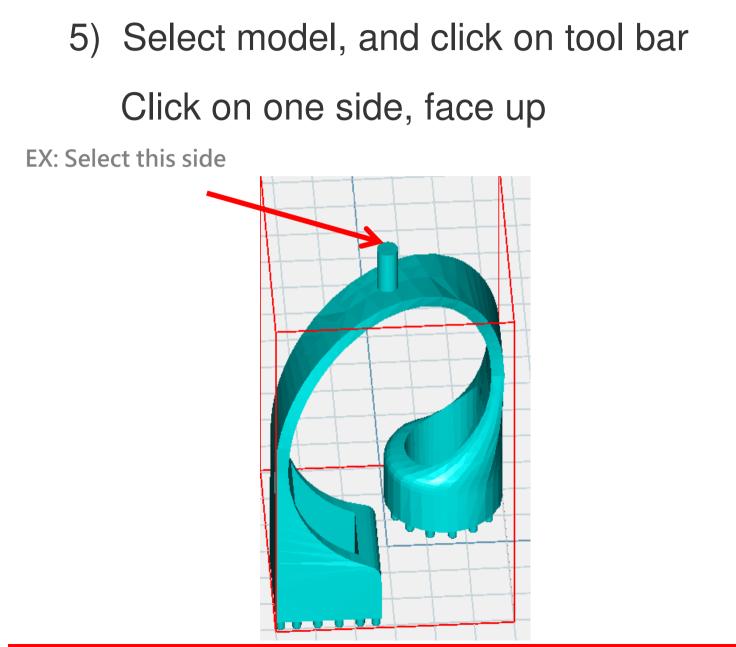


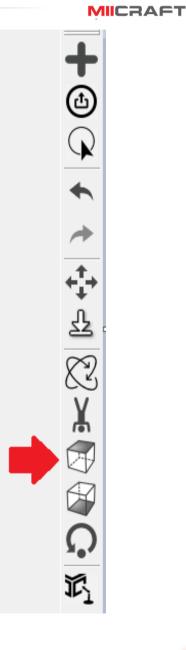


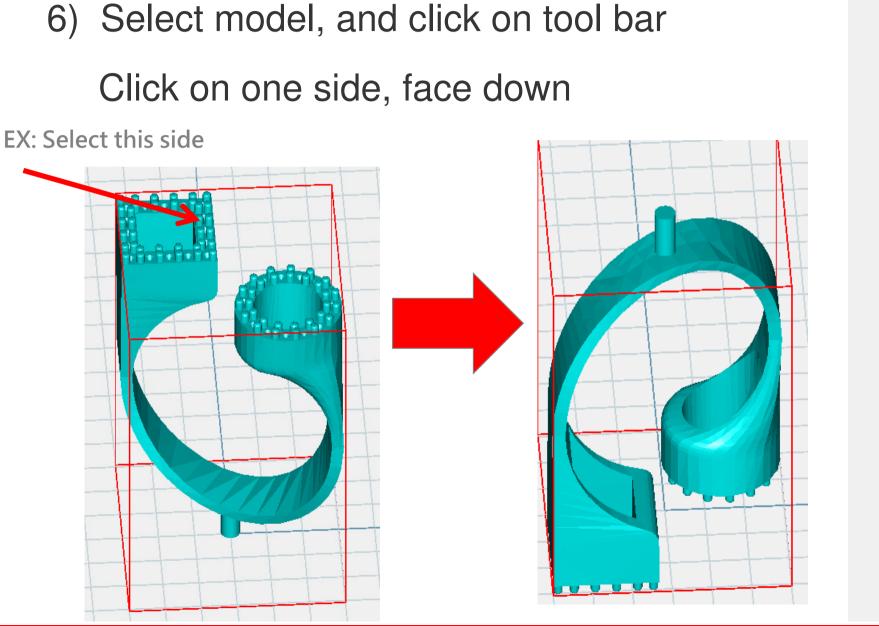


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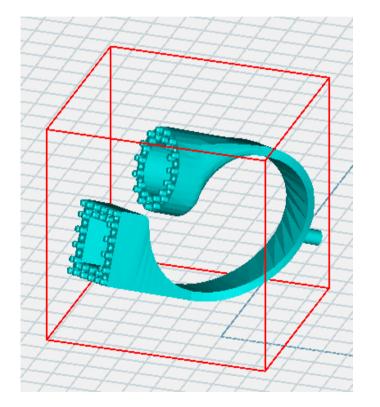


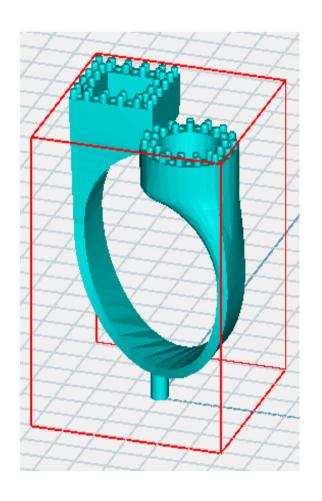


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7) Select model, and click on tool bar

Back to the default rotation



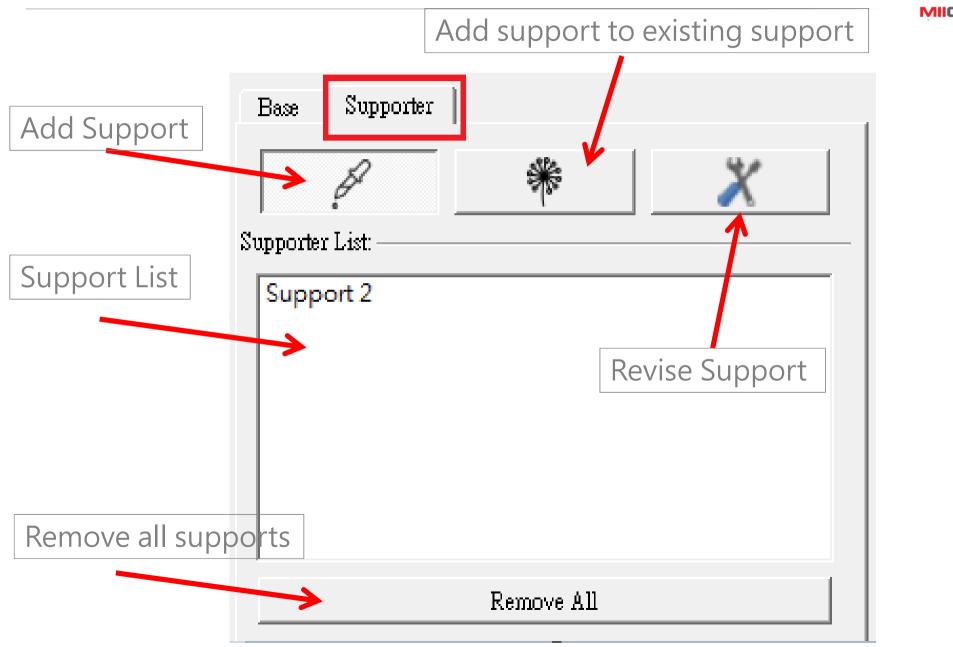




Select one model (been high light), more setting shows up in tool bar (as below red box), here you can build personalize support

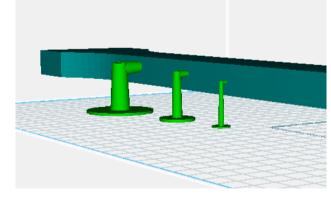
① Add support, click where you'd like to add support

0145(11111). A 10.0125 1 10.4517 2 4	
	Support ?
	View mode
	🗆 Angle 45.0 🕂 Degree 🗖 Skeleton
	Revolve Point: Supporter Default
	Base Supporter
	, F 🕷 💥
	Supporter List:
	Support 2
the fater for the fater	Support 2
the the	
the total total	
	Remove All
	Settings:
	1
	LIGHT - + X &
	Shape: TOP_Cone 133%(auto)
	—
	Radius(mm): 0.25
And the first	Length(mm): 1
to the first of th	Contact(mm): 0.1
to to to to to to to	0
That the	
-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A	
tot tot tot tot	
1-1-1-1-1-1	Mirror Supporter: 🗖 X 🗖 Y



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- 1) Support setting
- (a) 3 kinds of basic support setting can be selected by user preference
  - > LIGHT
  - > MEDIUM
  - HEAVY



Can customize and save

support setting



Settings:	<b>b</b>	C	<mark>∆</mark>
LIGHT	+	X	
Shape: TOP Radius(mm): Length(mm): Contact(mm)	1	1to)	▼

Mirror Supporter: 🔲 X 🛛 🗍 Y



- (b) Add support setting
- (c) Delete support setting
- (d) Save support setting

Settings: b C d LIGHT + X &
Shape:       TOP_Cone 133%(auto)         Radius(mm):       0.25         Length(mm):       1         Contact(mm):       0.1
Mirror Supporter: 🗖 X 🗖 Y

Customize support setting

One support can be separate

into top, middle and bottom

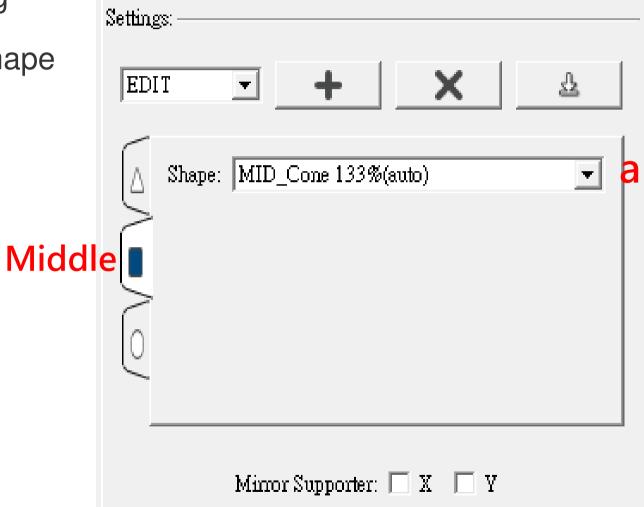
Top support setting:

- a) Top support shape
- b) Top support radius
- c) Top support length
- d) Top support and model
   contact

rate	Settings:
m	LIGHT - + X
Тор	Shape: TOP_Cone 133%(auto)
Midd	
Bottor el	$\mathbf{n}$ Contact(mm): $-\mathbf{d}$
	Mirror Supporter: 🗖 X 🗖 Y

Middle support setting

a) Middle support shape



Bottom support setting

- a) Bottom support shape
- b) Bottom support radius
- c) Bottom support thickness

e	Settings:
IS	EDIT - + X
ness	A Shape: BOTTOM_Circle   Radius(mm): 1.5   Thickness(mm): 0.25
Bottor	
	Mirror Supporter: 🗖 X 🔲 Y

### **Build supports**

Mirror supporter:

Build symmetrical supports according to X axis or Y axis

# Settings: EDIT X 2 Shape: BOTTOM\_Circle Radius(mm): 1.5 Thickness(mm): 0.25 Mirror Supporter: 🔲 X 🔲 Y

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X type supporter:

- (1) First build at least two supports.
- (2) Click cross structure function
- (3) Click two supports which you like to have cross structure between
- (4) Click two supports again can cancel the cross structure

Base Supporter	
Support 1 Support 2 Support 3	
Support 4	

### **Build Base**

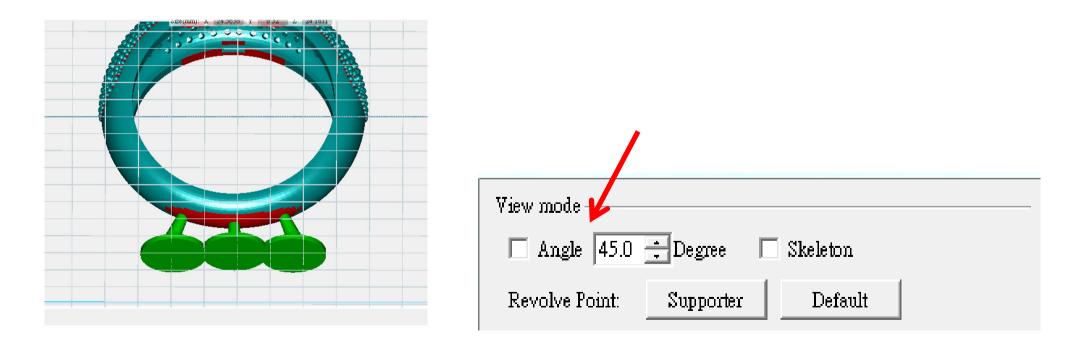
Base available or not Base Supporter Base: Base type BASE\_Rectangular Base size 🥪 Object Size: 100% Thickness(mm): 0.5 Base thickness

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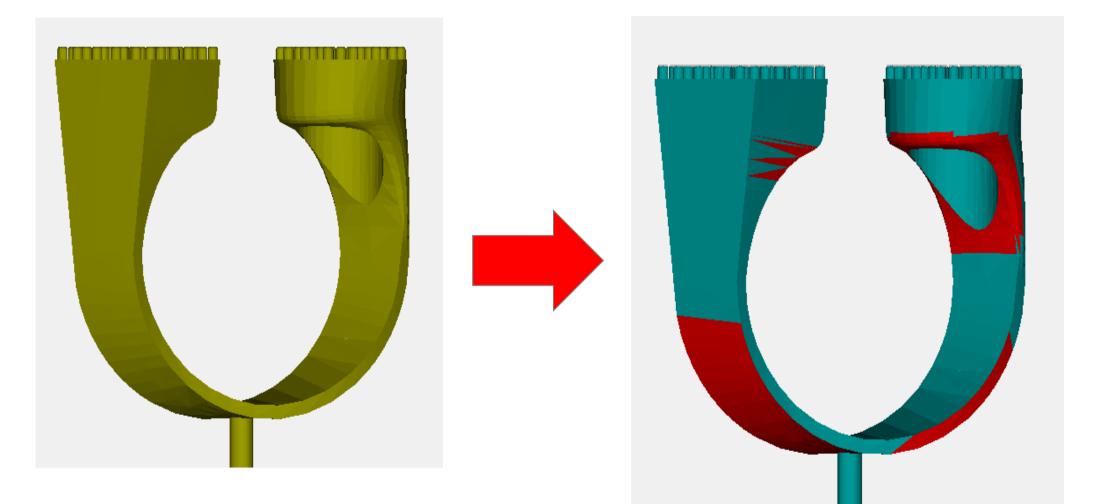
Angle Indicator will help identify the bevel angle of object surface

- a) Below a certain angle will become red in preview
- b) These red area indicates area more flat and possibly hang in air, where need to build supports

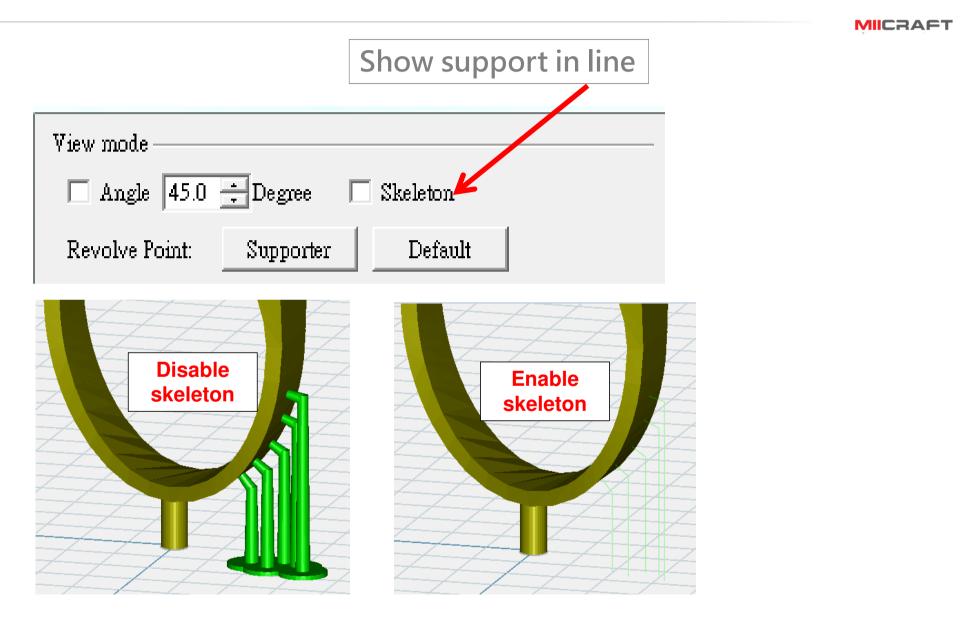


### Build support – View mode

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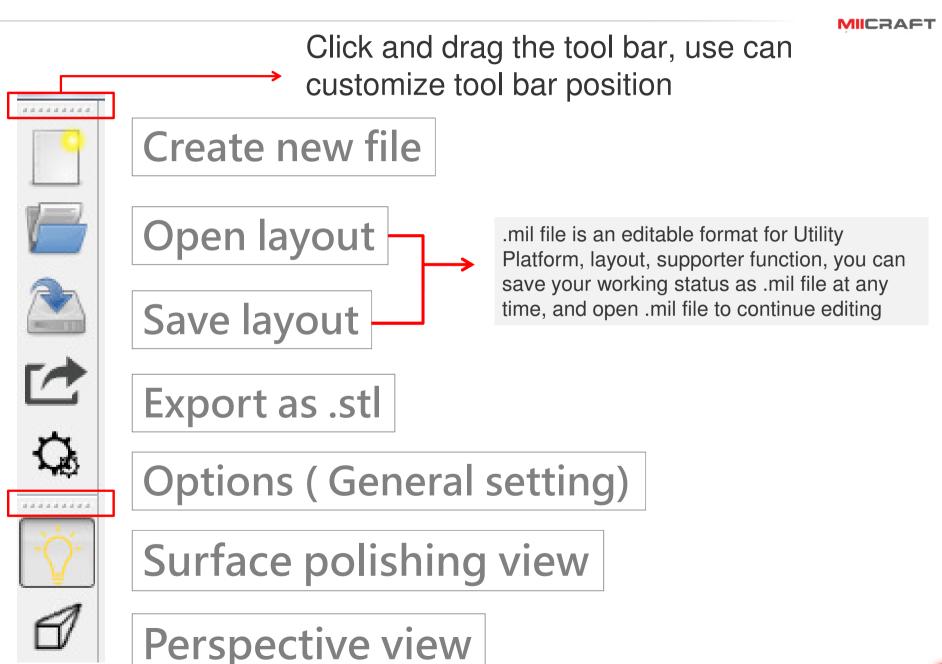
### Build support – View mode



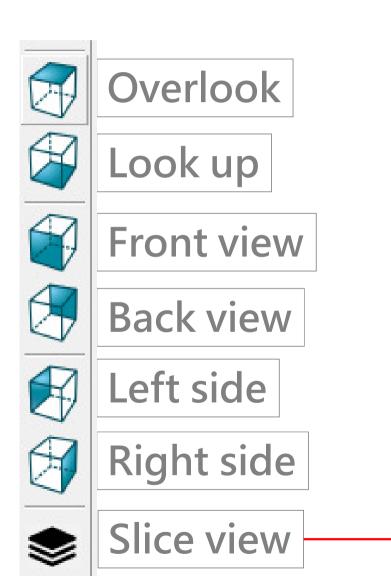
## Build support – View mode

		MICRAFI
View mode		
🗆 Angle 45.0 ≑ Degree	Skeleton	
Revolve Point: Supporter	Default	
<ul> <li>a) Select one support</li> <li>b) Click Revolve point: s</li> <li>c) Use fix support as vie</li> <li>d) See the 360 degree p</li> </ul>	w rotation center	
	Default (Use platform a	as view rotation center)

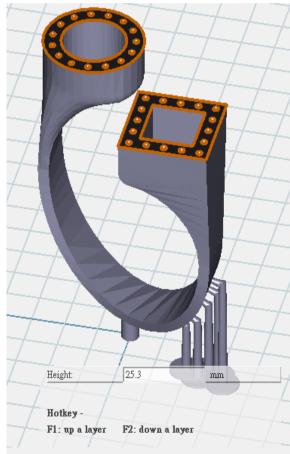
### Tool bar



### Tool bar



# Slice view Preview each layer (but not export .slc yet)



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	-	edure Simplify iry alert every	<i>i</i> : Settings for skip some time.	proced	ure
		Options   Procedure Simplify Slice and Convert  Printer General  Function Auto Setting	<ul> <li>Directly save the slc file into below position every time slc file location:</li> <li>C:/</li> <li>Directly convert after slicing.</li> <li>Retain the .slc file</li> <li>XDefault location of output is same as the slc file's.</li> <li>Directly launch to printer after convert finished</li> <li>Directly start to print</li> <li>base image folder path:</li> <li>C:/</li> </ul>		2 ×
111111				OK	Cancel

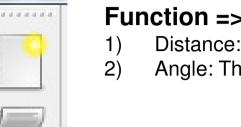
	Options		
	<ul> <li>Procedure Simplify Slice and Convert</li> <li>Printer General</li> <li>Function Auto Setting</li> </ul>	Form Searcher hides SelectFile hides Scenario Setting hides LaunchButton hides Reload Data whenever connecting to	Printer     Advance 255     Advance 255     Name:     Advance 255     IP address:
			Select File           Input:         C://20190917-5.slc           Output:         C://20190917-5_LK50HBA1731BBAT99999.3dp           Estimated Time:         2H 35M 48S           Layer Thickness(um):         100
			Printing Setting Fast    Blend Base Layer   Image Base Layer number: 5
Pri 1) 2)	nter => General se Printer panel setting : some function panel. Reload Data(Printer of whenever connecting	Settings for hide alibration data)	Convert File 0% Convert Launch 3D Printer Launch to printing

				MICRAFT
******	Options		? ×	
	<ul> <li>Procedure Simplify</li> <li>Form</li> <li>General</li> <li>Function</li> </ul>	Printer Form         Searcher hides         SelectFile hides         Scenario Setting hides         LaunchButton hides         Reload Data whenever connecting to Printer         Language:       English         English          繁體中文		
		OK	Cancel	

User interface language:

English, Traditional Chinese, Simplified Chinese

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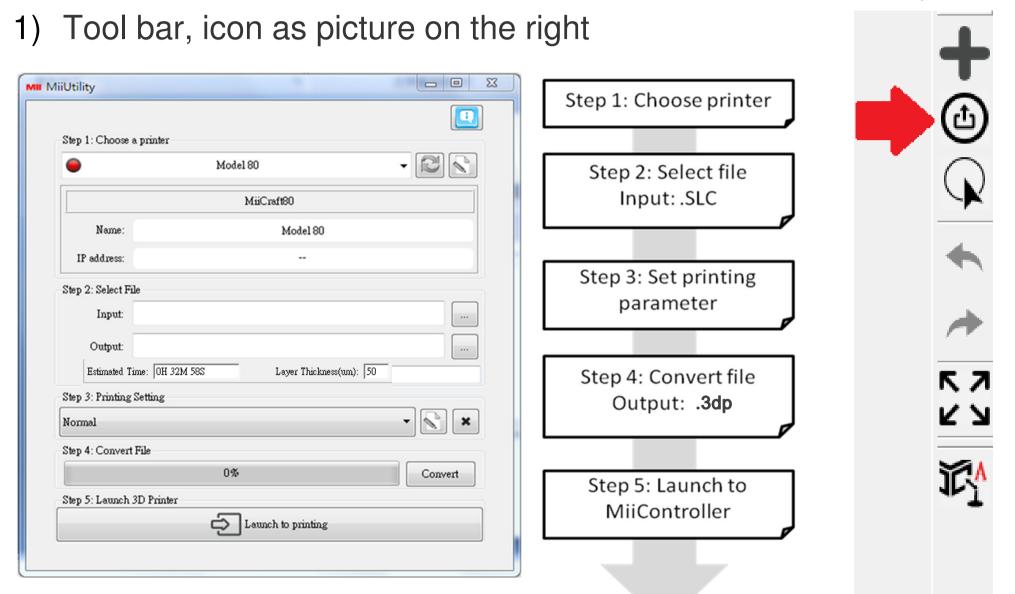
### Function => Auto setting:

- ) Distance: The distance of supports and supports. The density of supports.
- 2) Angle: The model surface below a certain angle, will automatically build supports.

OK Cancel
-----------

### Printer setting

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### Printer setting

		MICRAFT
Step 1	<ul> <li>Online printer</li> <li>Offline printer</li> </ul>	+
MII Printer	? ×	
Step 1: Choose a printer		<b>W</b>
		•
Name:	1	
IP address:		57
1		КЛ
Printer IP	<ul> <li>To print (only online printer)</li> <li>To use printer calibrate information when converting files (Both online and offline printer)</li> </ul>	ĩC <mark>1</mark>
Trouble shooting		

If unable to connect computer and printer, please check computer's proxy setting, it has to be close.

### Printer setting

### Step 2

Step 2: Select File Input: Output: Estimated Time: 6H 28M 12S Layer Thickness(um): 50	<ul> <li>Default user edit .slc file</li> <li>Output .3dp file</li> <li>Estimated printing time</li> </ul>
Step 3: Printing Setting  Step 4: Convert File  O%  Convert  Step 5: Launch 3D Printer  Launch to printing	<ol> <li>Select .mps file</li> <li>Edit .mps file</li> <li>(printing parameter)</li> </ol>

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Step 3: Printing Settin	g	-		MIICRAFT
	Ē 🕒 🕒 ඵ			
	Curing Time(s):	2.00	The amount of time for UV curing(seconds) per	layer
	Speed :	Normal	Slow, Normal and Fast, means different peeling speed Recoater mode including recoater back and forth. Also	
	Gap Adj(mm):	0.00	select "advanced" to set user defined peeling mode Adjust thickness of the first layer	
	Base Layers:	1	Define number of base layers	
	Base Curing(s):	5.00	Curing time for base layers	
	Buffer Layers:	3	Set the Number of buffer layers	
	Power(%):	100	At 100% is the existing brightness of light engine. Used adjust the power in response to different resin character	
\$	Print Delay(s):	1	For first layer, picker stay for at least 1 sec. ther	n cure
	_	Image Calibration: 🔽	Make image calibration for this printer	
	Anti-aliasing:	Max (default)		
	Imgae Pixel Offset:	0 (default) Edge Enhance: 0 - Blur: 0 -	What is Buffer layer? Within buffer layer, the curing time is gradually	
	,	, _ , _	change from base layer setting to layer setting	Layer



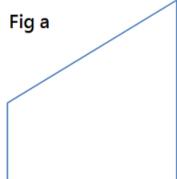
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			IVIICAAF
	Ultra series	Advance series	Profession series
Image Calibration			
Anti-aliasing			
Pixel offset			
Edge enhance			
Overlap (%)			
Blur			
Contour exposure			
Resin Shrinkage compensation			
Flip image			

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Anti-aliasing:	Max (default)	•
Imgae Pixel Offset:	0 (default)	•
<b>Overlap(%)</b> : 50	Edge Enhance: 0 💌 Blur:	0 -





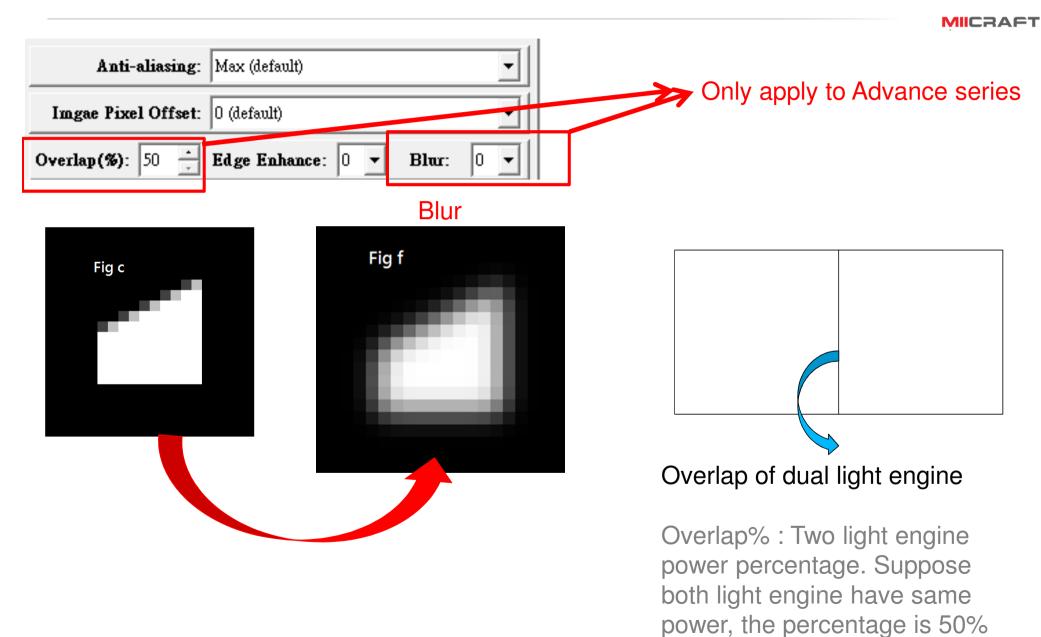
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Anti-aliasing:	Max (default)	•
Imgae Pixel Offset:	0 (default)	•
<b>Overlap(%)</b> : 50 📩	Edge Enhance: 0 💌 Blur:	0 🗸

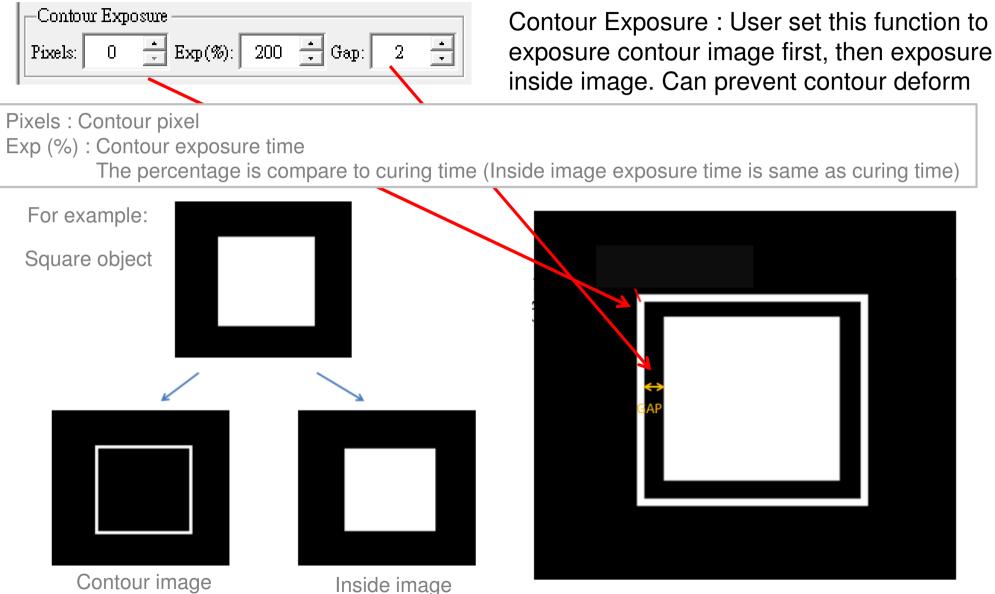
Pixel offset : Can slightly adjust edge pixel (0.5 pixel = 1) For example:

Select -2, erode 1 pixel on the edge Select 2, add 1 pixel on the edge





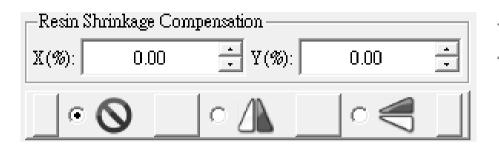
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If user set contour pixel, one image will become 2 image, contour and inside

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+0% to 9.9%  $\rightarrow$  Enlarge an image -0% to -9.9%  $\rightarrow$  Shrink an image

Flip image by X axis or Y axis

### Printing setting (.mps) – Advance setting

1

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Speed : select Advance Enable Function: Customize peeling mode

Craing Time (s): 2.00	Staying Layer: Advanced Sett				•	+	×
Speed: Advanced	Cartridge	• Down	▼ 800	1600	=	1+	×
Gap Adj(mm): 0.00	Stay	•	- JO	1000	. E	↑+ 1	×
Base Layers: 1	Picker	• Up	<b>•</b> 600	: 3200	. IE	1+	×
Base Curing(s): 5.00	Picker	▼ 1Layer	• 0	1600	=	↑+ 3	×
Buffer Layers: 3	Stay	•	<b>v</b>	2000	÷	↑+ 1	×
Power(%): 100	Cartridge	• Up	• 805	1400	÷	1+	×
Print Delay(s): 1	Picker	• Down	▼ 500	3200		 ↑+1	
Image Calibration: 🔽	-						
Anti-aliasing: Max (default)	Picker	▼ Down	▼ 100	÷ 6400	∃.	1+	×
Imgae Pixel Offset: 0 (default)	Stay	•	▼ 0	2000	÷.	1+	×
Edge Enhance: 0					Add N	lew Acti	ion
Contour Exposure Pixels: 0 * Exp(%): 200 * Gep: 2 *							

### Printing setting (.mps) – Advance setting

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The advantage of advanced setting is you can decide peeling mode Tilt mode : Set cartridge(tank) up and down for bigger area peeling Direct mode : Only set picker's movement, cartridge stay, to let peeling speed faster Sweep: Set recoater movement

Starting layer: from starting layer start to use advance setting peeling mode

Half step period (micro second)

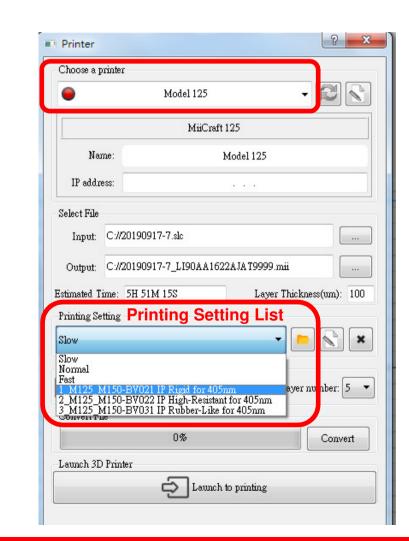
	Starting Layer: —Advanced Set		- Items	Movement	Step (25um/step)	- + ×
1	Cartridge	Down	<u> </u>		÷ 1600	÷ + ×
2	Stay	•	<u>v</u>		1000	 ÷ + ×
3	Picker	▼ Up	▼ 600		3200	 ÷ + ×
4	Picker	▼ 1Layer	• 0		1600	 ÷ + ×
5	Stay	•	<u>v</u> 0		2000	 ÷ + ×
5	Cartridge	▼ Up	▼ 805		÷ 1400	 ÷ + ×
	Picker	• Down	▼ 500		3200	 ÷ + ×
	Picker	• Down	▼ 100		6400	 ÷ + ×
	Stay	•	<u> </u>		2000	 ÷ + ×
						Add New Action

### .mps file user management

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- (1) Assign .mps user management file
   The printer you choose will affect the .mps you can see.
   ex: Choose MiiCraft Profession Printer, can only select .mps file for MiiCraft Profession Printer
- (2) Put .mps into user assigned file, the .mps will show up in the printing setting list as below picture.

Choose a printer							
● Model 125 ▼ 😰 💽							
MiiCraft 125							
Name: Model 125							
IP address:							
Select File							
Input:	Input: C://20190917-7.slc						
Output: C://20190917-7_LI90AA1622AJAT9999.mii							
stimated Ti	ime: 5H 51	M 15S	Layer Thickness(um):	100			
Printing Setting							
Printing Set	um ie		Slow - Carlos 🖌 🚬				
				×			
Slow V Generat	e Base from	ı İmage		×			
Slow V Generat		1 Image	Base Layer number:	<b>×</b>			
Slow	e Base from	n Image	Base Layer number:	5 -			
Slow Generat cubic	e Base from	n Image	Base Layer number:				
Slow Generat cubic	e Base from le	▼					

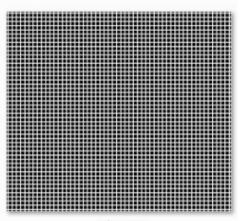


### Generate Base from Image

Choose a pr	inter				
•	Advance 255 🗸 🗸 🔂				
	Advance 255				
Nam	e: Advance 255				
IP address:					
Select File					
Input:	C://20190917-7.slc				
Output: C://20190917-7_LK50HBA1731BBAT9999.3dp					
Estimated Time: 14H 42M 47S Layer Thickness(um): 100					
Printing Setting					
Printing Sett					
Printing Sett Recoater					
Recoater	ting				
Recoater 👽 Generate	ting				
Recoater	ting  Base from Image  Base Layer number: 5				
Recoater Generate diamond	ting  Base from Image  Base Layer number: 5				
Recoater Generate diamond	ting  Base from Image  Base Layer number: 5   Convert				

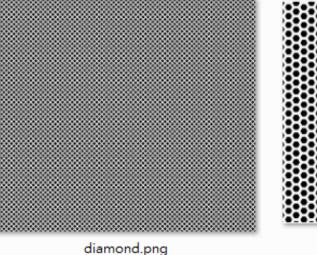
### **Step 3: Printing setting**

(1) Select image
Cubic
Diamond
Hexagon
Or DIY image for Base
(2) Set Base layer thickness
(for image base)



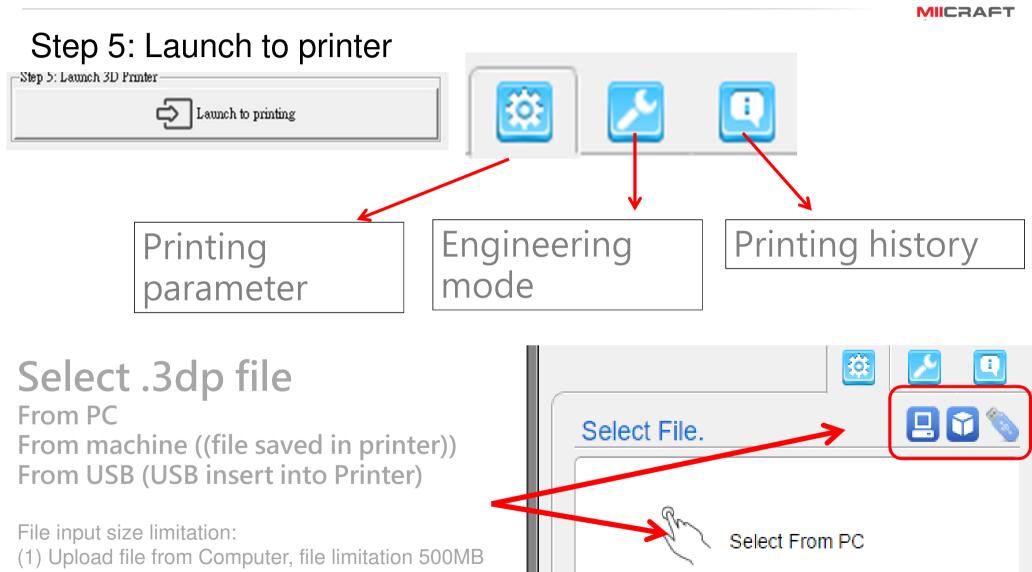
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cubic.png



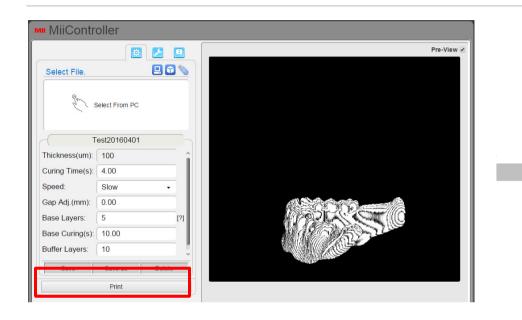
hexagon.png

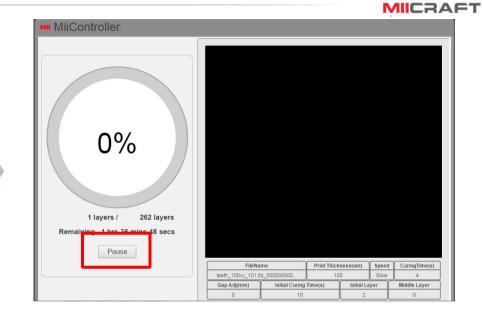
### Print via Computer

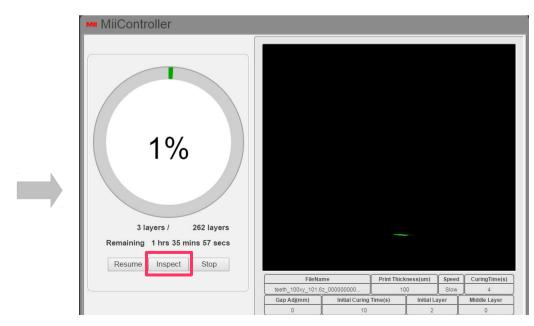


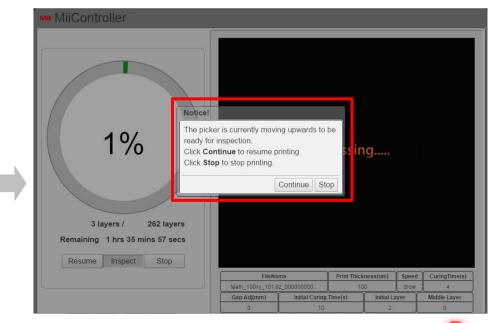
(2) Upload file from USB, file limitation 1G

### Print via Computer

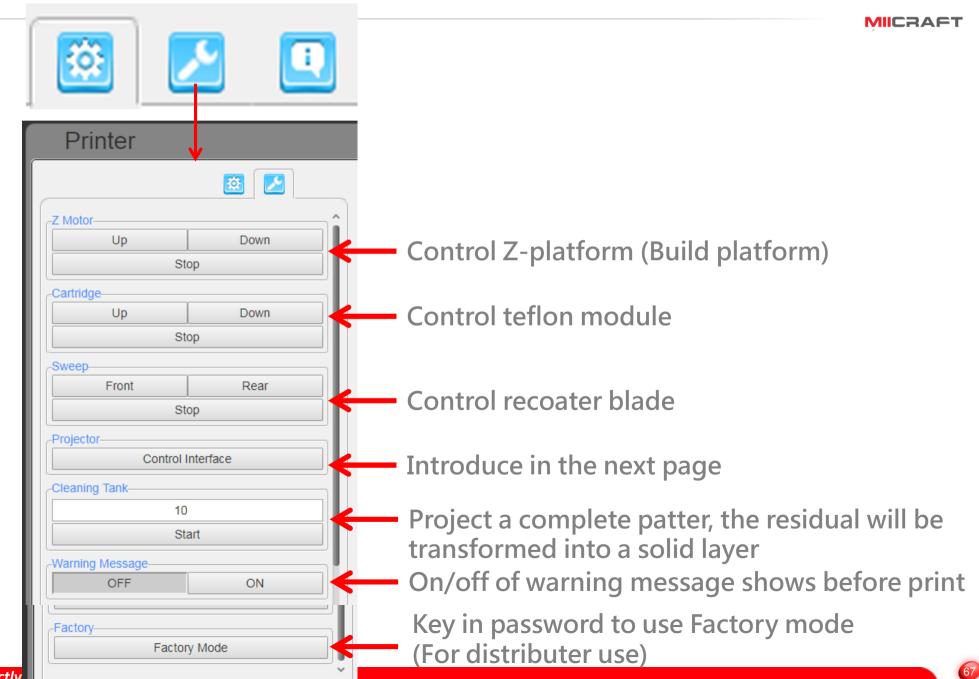








### Engineering mode (Computer)



Strictly

### Engineering mode (Computer)

Projector Control						
ON	OFF					
✓Left Projector	Projector	←				
T1	T2	Т3				
Please Select a Pat	•					
Uniformity/Distortion Mask	Uniformity/Distortion Mask					
Offset X:	0					
Offset Y:	0	Set				
Light(%):	100	Set				
18-112 suggest range Calibrate						
Curing Time(s):	4	Test				
Close						

- Control the projector
  - If Machine is Advance series, you can choose left or right projector to control.
  - T1/T2/T3 : Use test pattern inside the projector, or select a pattern from menu
  - Tick this option to apply printer calibration function
  - Fix the left projector, and move right projector through X axis or Y axis.
  - Light(%): At 100% is the existing brightness of light engine. The suggest range is base on the printer' s condition, user can only set the % within the suggest range.

Calibrate: Return to default setting of brightness

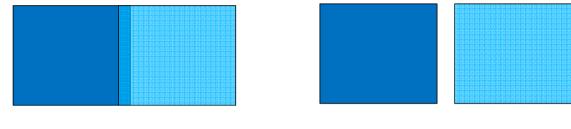
Curing Time(s): Test print curing time.

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### Engineering mode (Computer)

Projector Control					
ON	OFF				
Left Projector Right Projector					
T1 T		2	T3		
Please Select a Pattern.					
Offset X:	0				
Offset Y:	0		Set		
Light(%):	100		Set		
18-112 Calibrate suggest range					
Curing Time(s	4		Test		
				Close	

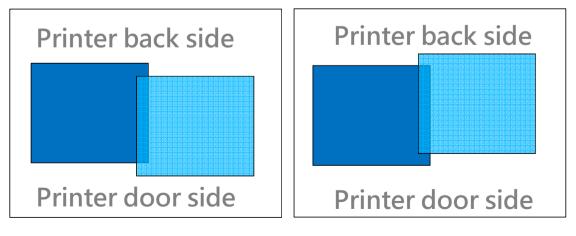
Fix the left projector image, and move right projector image through X axis.



Offset X : -9

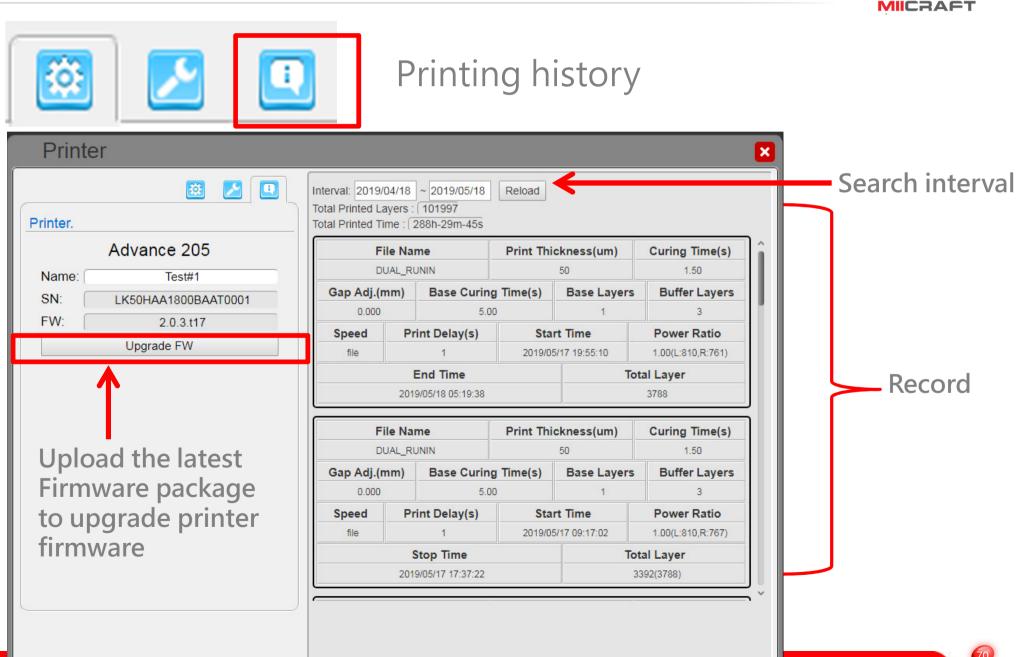
Offset X:9

Fix the left projector image, and move right projector image through Y axis.

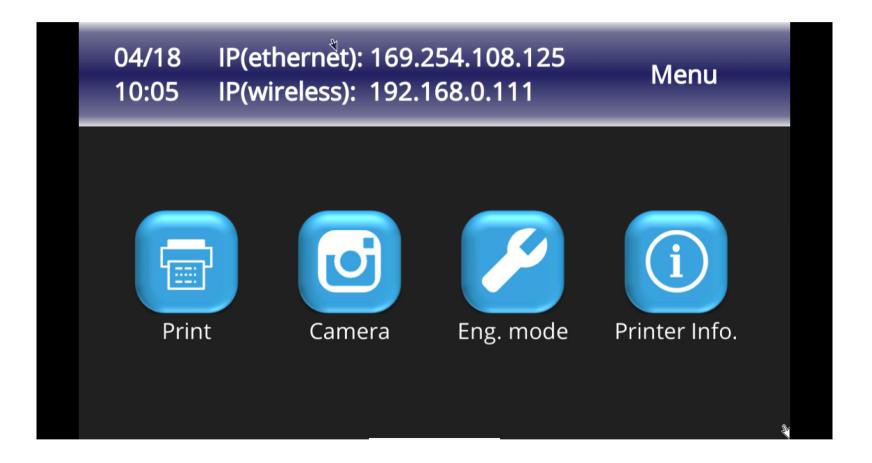


Offset Y : -9

### Printing record and update firmware



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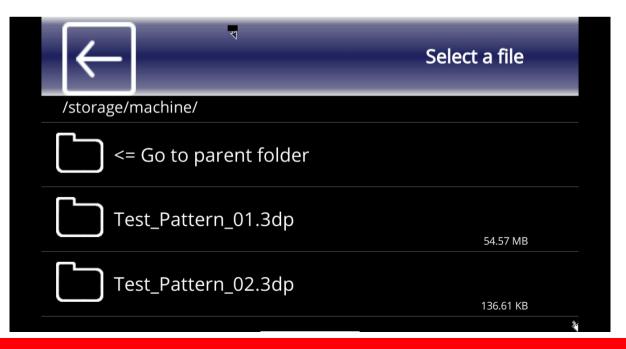


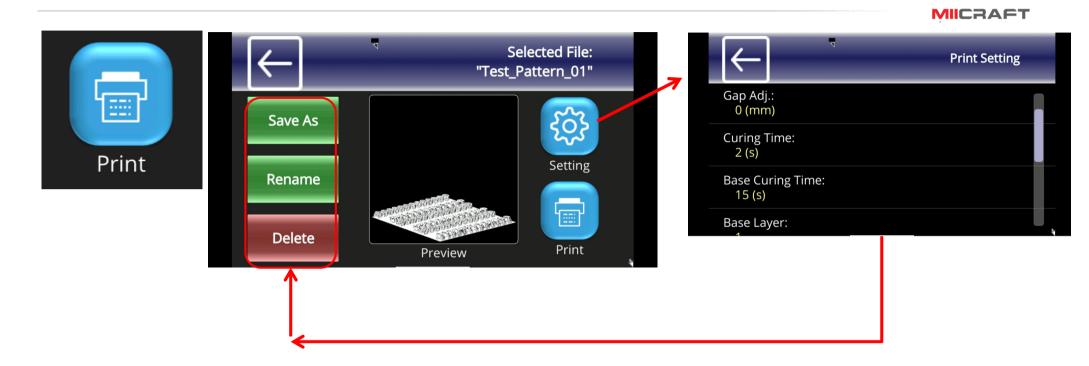
To print: Select .3DP file from (1) machine (file saved in printer) or (2) USB (insert into printer)

File input size limitation:

(1) Upload file from Computer, file limitation 500MB

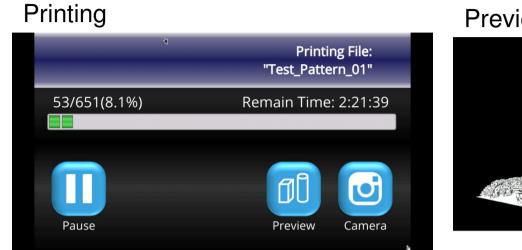
(2) Upload file from USB, file limitation 1G

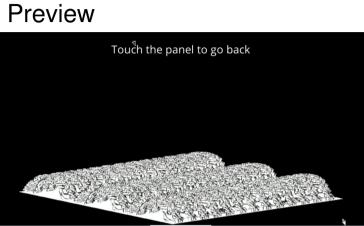




.3DP file (1)Save as : Save printing setting as another .3DP file (2)Rename : Rename .3DP file (3)Delete : Delete .3DP file

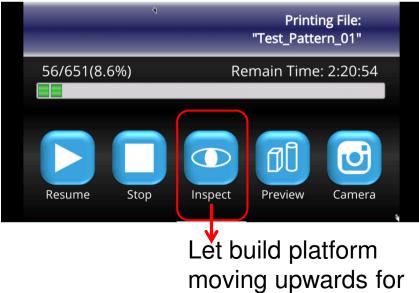






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### Pause



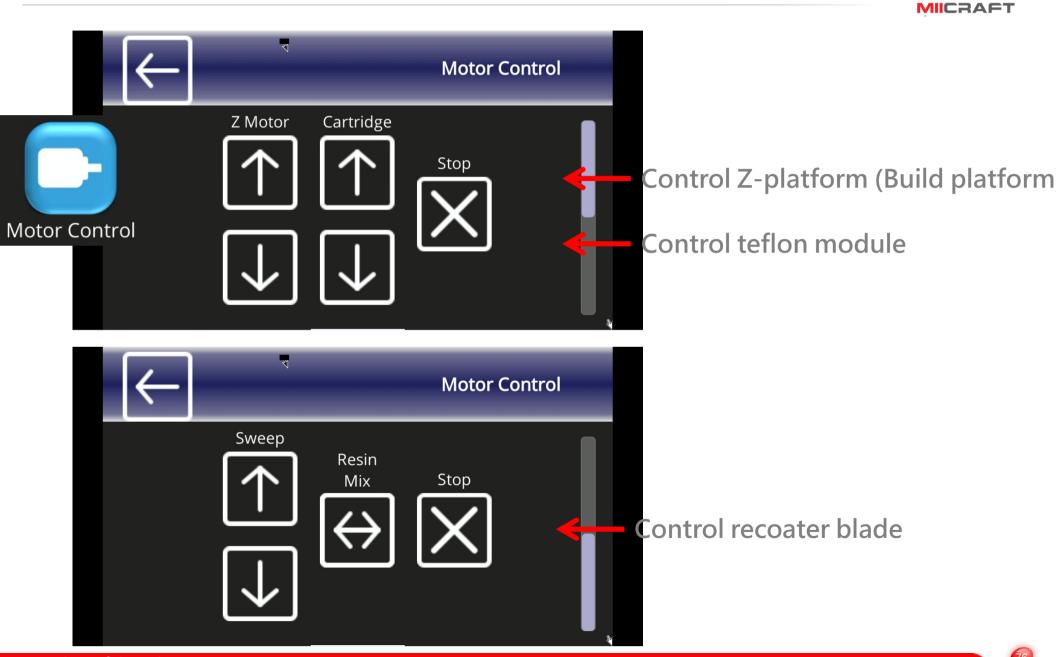
inspect

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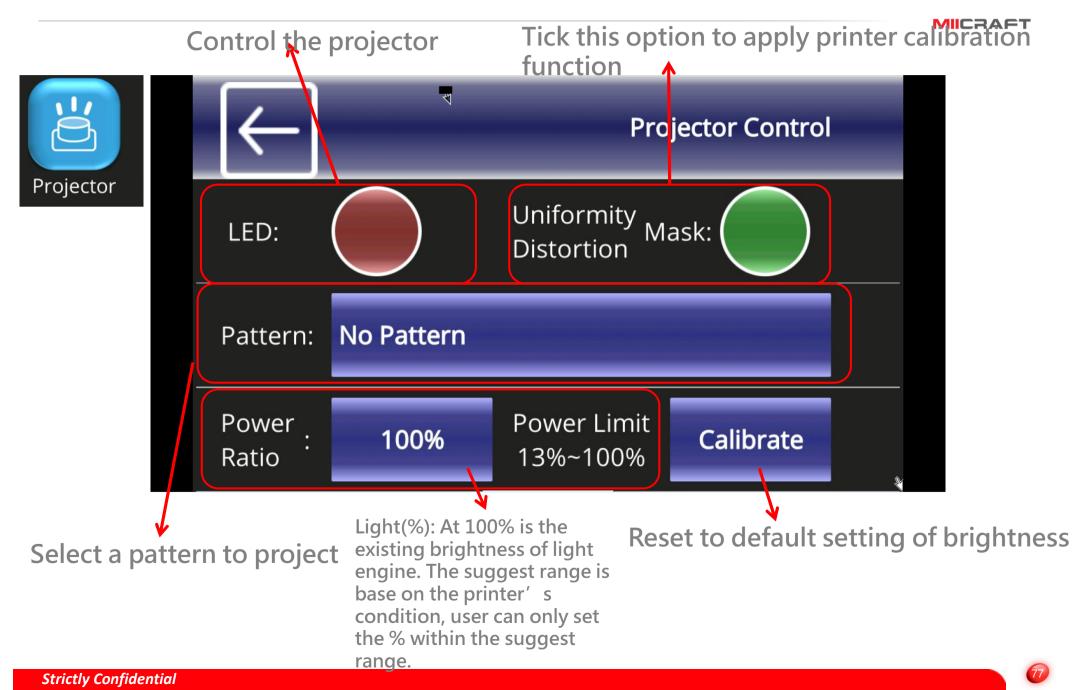
### Touch screen panel - Engineering mode



### Touch screen panel - Engineering mode



### Touch screen panel -Engineering mode



### Touch screen panel - Engineering mode

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When printing failure happen, there may have some printing residual left and stick on teflon module.

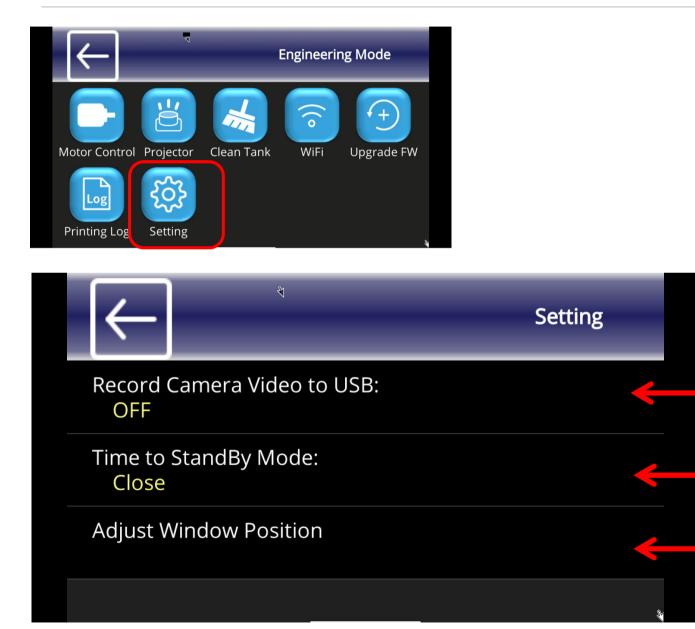
Before to start another printing job, be sure to clean the printed residual out of teflon module.

(1)Use "Clean tank" function via touch panel, it project a complete patter, the residual will be transformed into a solid layer.

(2)Using the scrape, scoop up one side of the layer. Then carefully lift to remove solid layer from the teflon module.

### Touch screen panel - Engineering mode

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Save video or not Save in which device

Enable Stand by mode or not Duration

Adjust panel's window position



Thank you