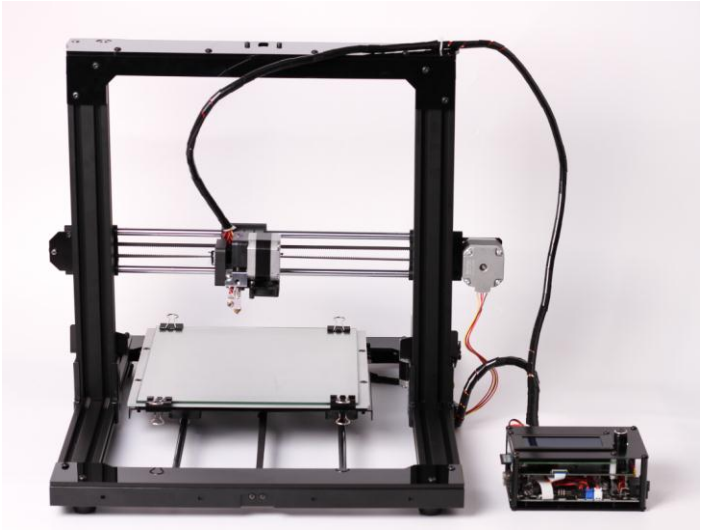
Pxmalion Core I3

Operation Instructions



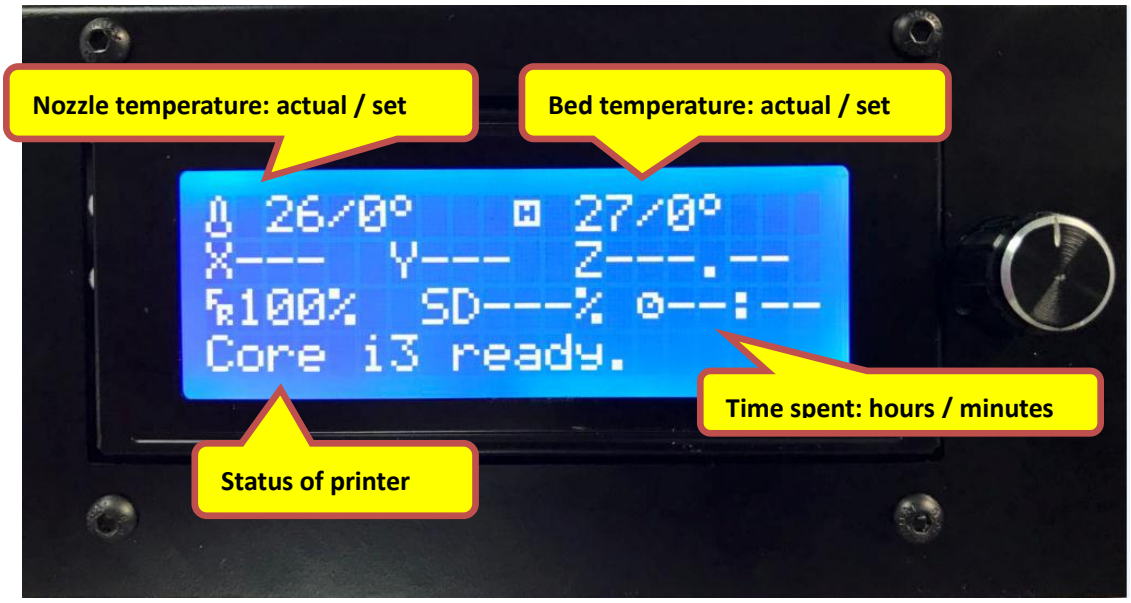
I Contents

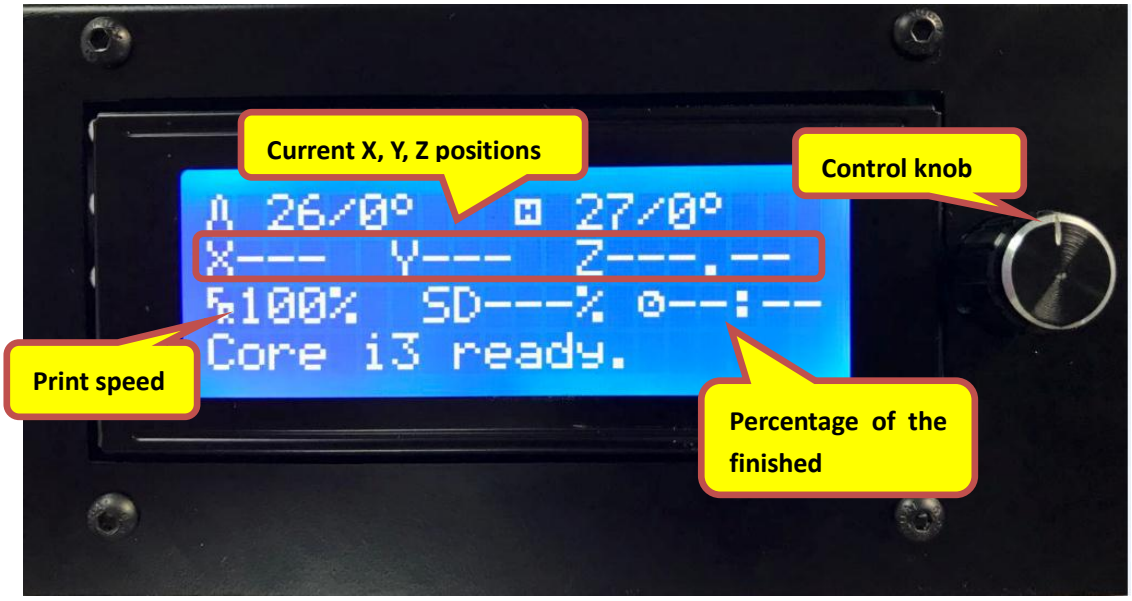
Ⅱ The information screen

1. Information available in this screen:

①Please check the pictures below for explanations of the displayed information and the control knob.

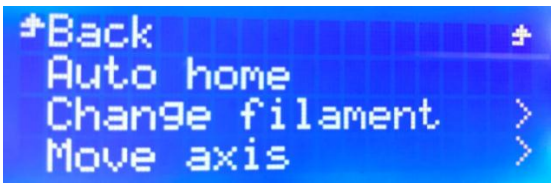
②Control knob: Turn it to select and click to enter.





Click to enter the info screen

Click to enter the previous menu



Ⅲ Go to home positions

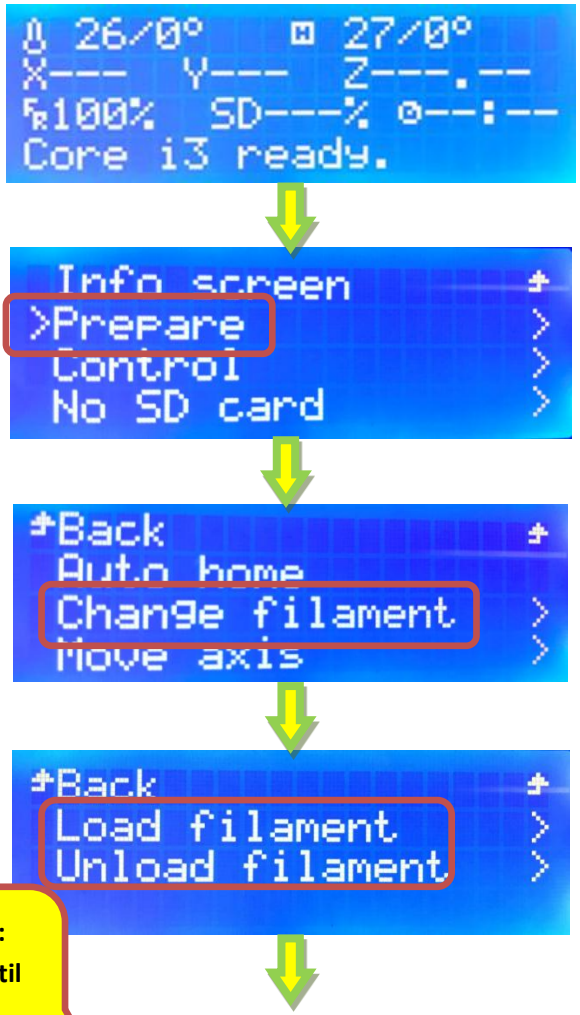
1. Go to home positions: send all X, Y, Z to home positions.
   (X: 0 Y: 0 Z: 0)
2. Home position: X: 0 --- Nozzle is at the leftmost position
   Y: 0 --- Platform is at the farthest position
   Z: 0 --- Nozzle is at the lowest position
3. Reasons to send to home positions:
   ①Need to do so before leveling the bed.
   ②Return nozzle and bed to origin.
4. Operation sequence:
   Info screen --"Prepare"-- "Auto home"

Illustration

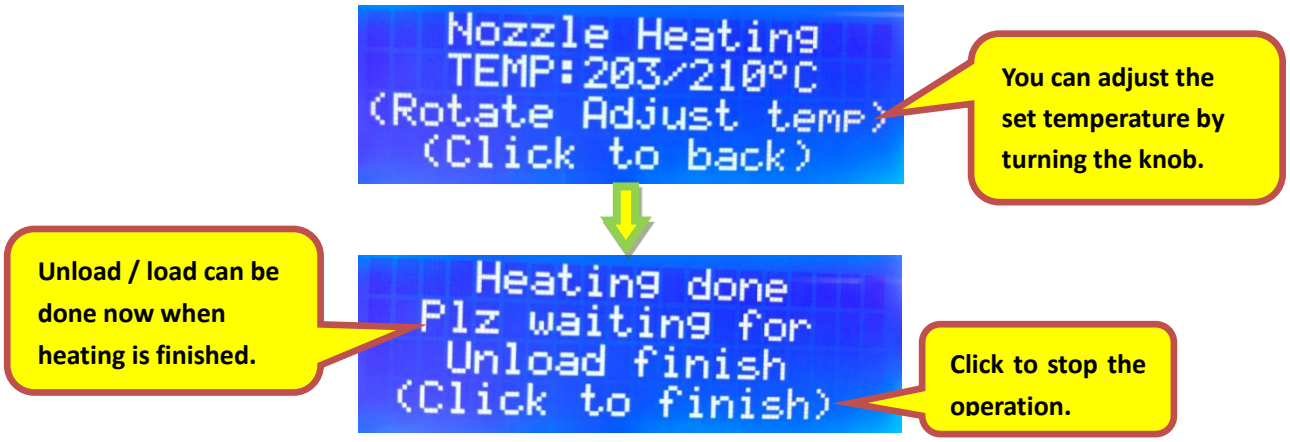
Ⅳ Load / Unload filament

1. Load filament: To feed filament into extruder and nozzle.
   Unload filament: To retreat filament from extruder and nozzle.
2. Operation sequence:
   Info screen -- "Prepare" -- "Change filament" --"Load filament/Unload filament"

Illustration



Nozzle temperature / set temperature: load / unload filament cannot start until nozzle temperature reaches the set value.



V Adjust print parameters

1. Parameters:

①Nozzle temperature

②Bed temperature

③Fan speed

④Print speed

⑤Preheat: for PLA: Nozzle 190°C bed 40°C

⑥Cool down: All heating stop.

2. Operation sequence:

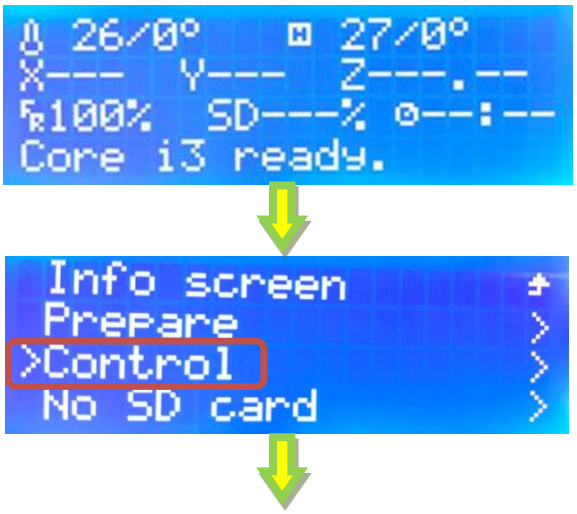
(1) Nozzle temperature, bed temperature, cooling fan:

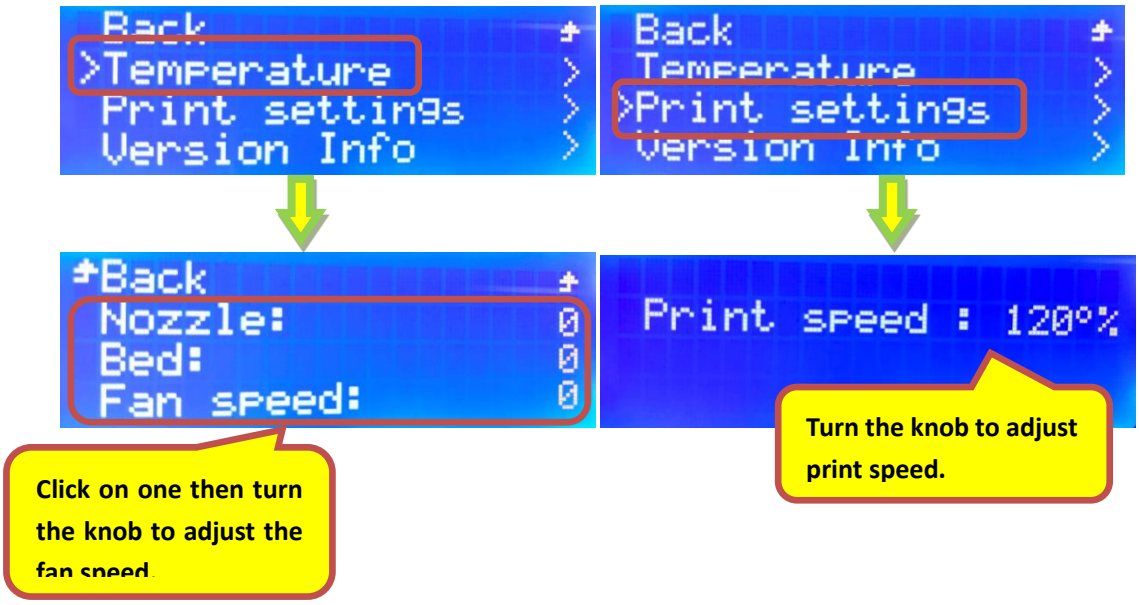
Info screen --"Control"-- "Temperature" --"Nozzle/Bed/Fan speed"

(2) Print speed:

Info screen -- "Control" -- "Print settings" -- "Print speed"

Illustration





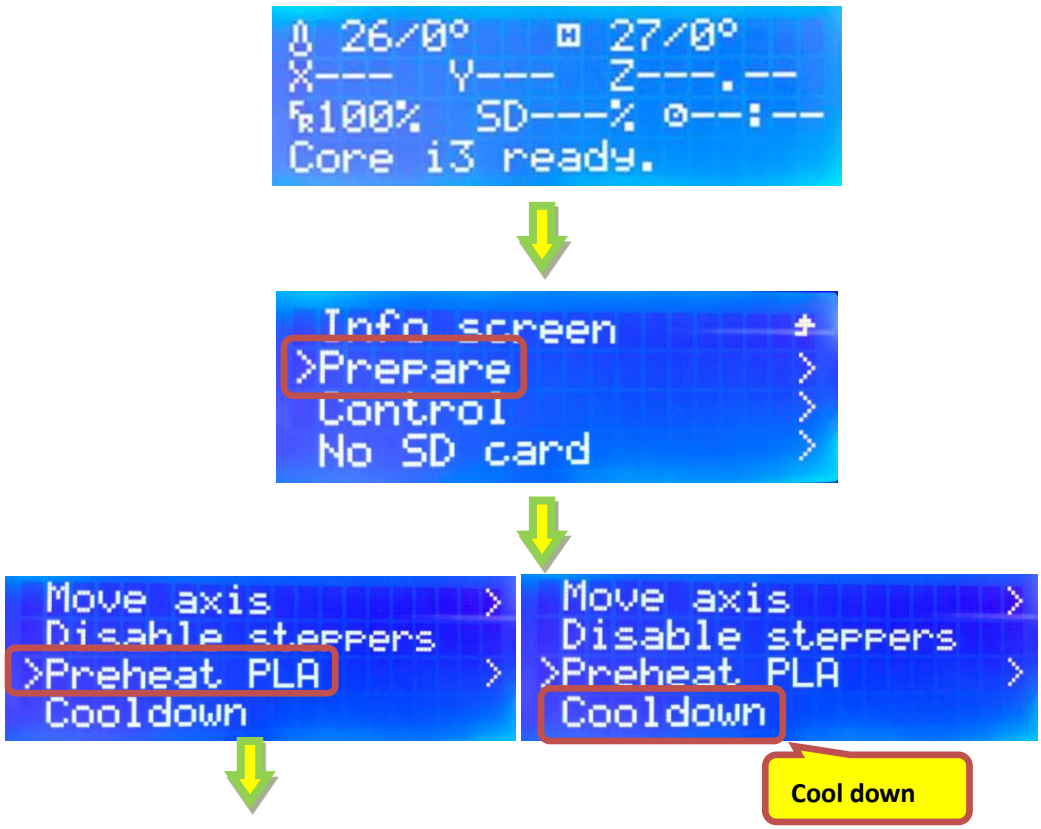
(3) Pre-heat:

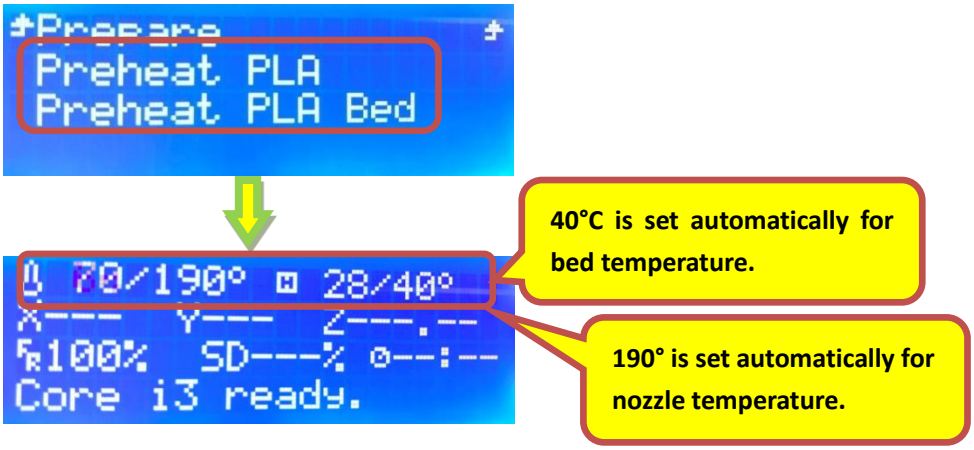
Info screen -- "Prepare" -- "Preheat PLA" -- "Preheat PLA/Preheat PLA Bed"

(4) Cool down:

Info screen -- "Prepare" -- "Cool down"

Illustration





VI Control of Motions

1. What can be controlled?

①Motions along X, Y, Z, E

②Disable stepper motor: can unlock the motors to move muzzle and platform freely by hands.

2. Attention: E motion indicates the extruder motor, to move it the nozzle temperature must be over 175°C.

3. Operation sequence:

1) Move X, Y, Z:

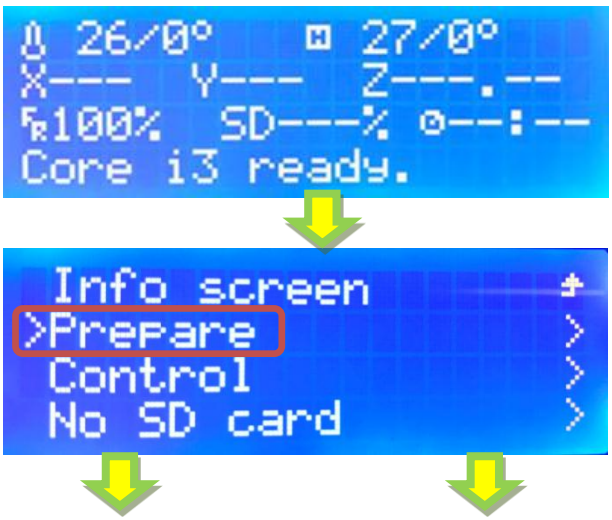
Info screen -- "Prepare" -- "Move axis" -- "Move 10mm/Move 1mm"

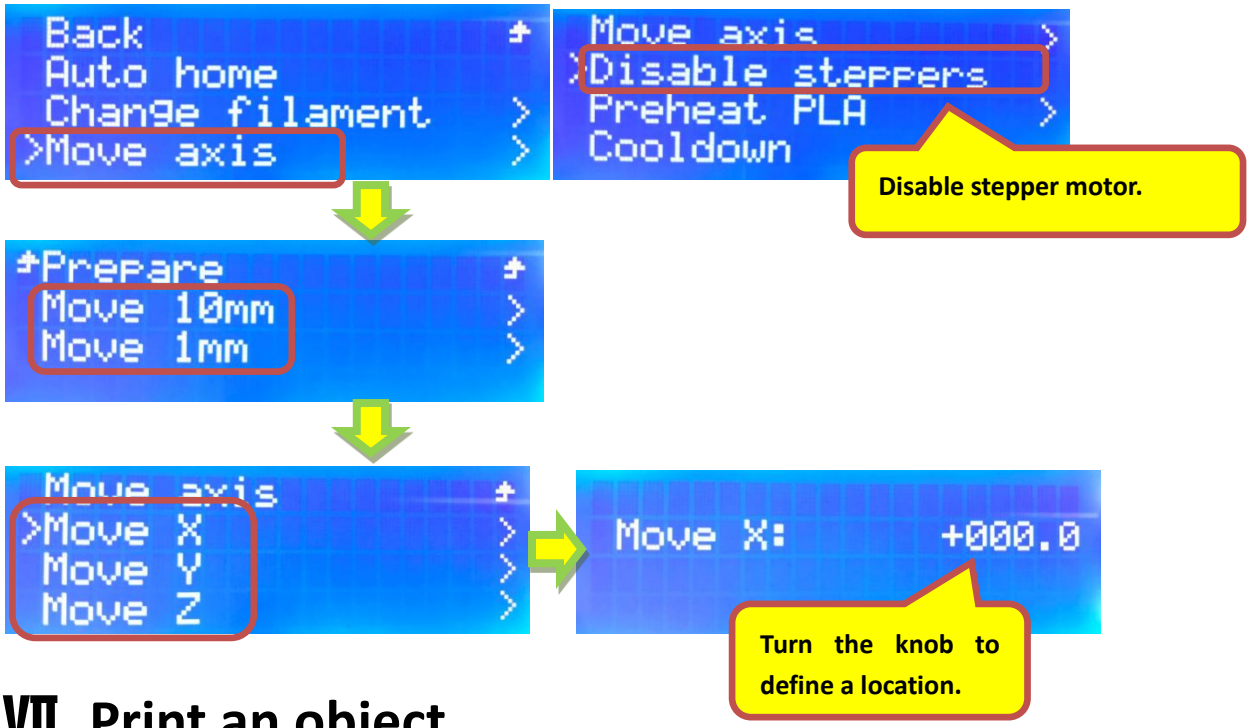
-- "Move X/Move Y/Move Z/Move E" --

2) Disable stepper motors:

Info screen -- "Prepare" -- "Disable steppers"

Illustration





Ⅶ Print an object

1. Required knowledge:

①Check for the presence of SD card

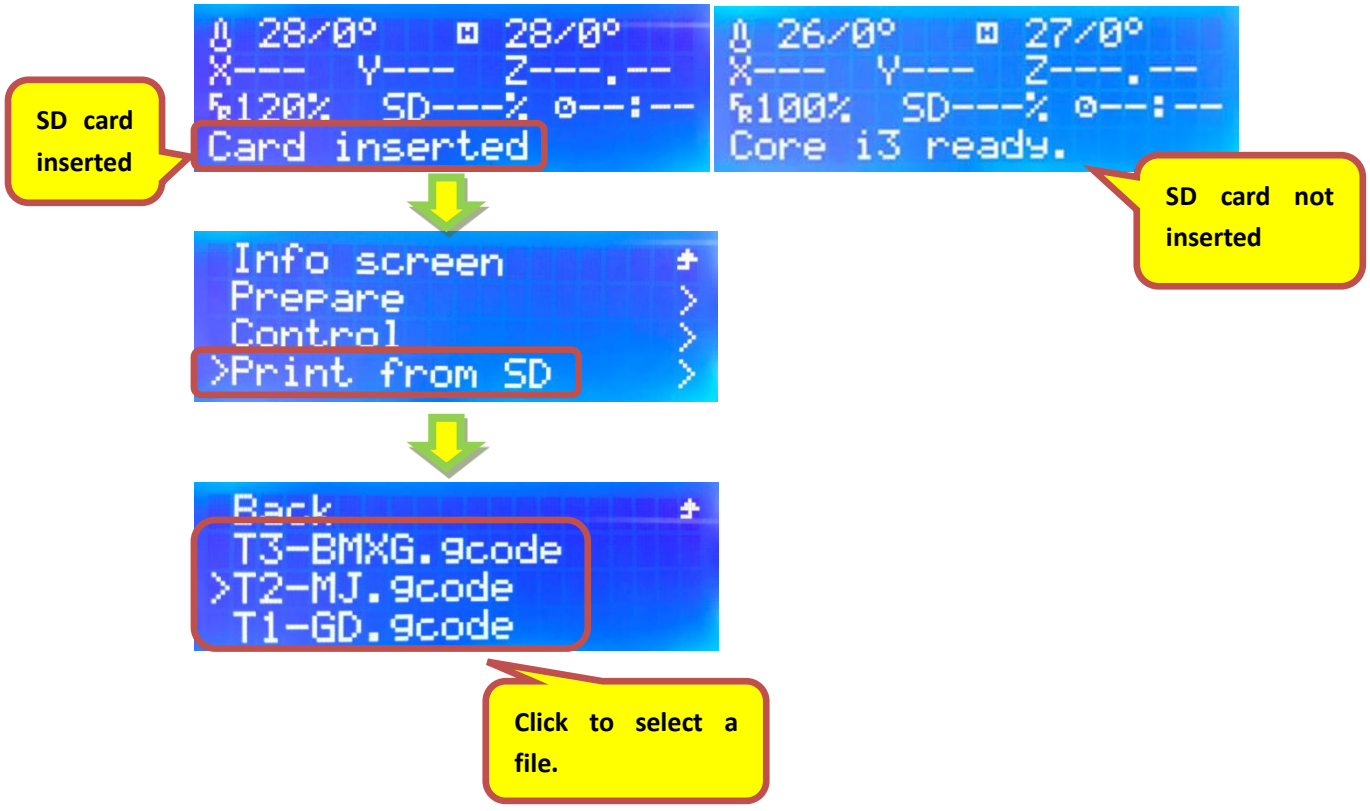
②Operations to print

2. Operation sequence:

1) To print an object

Info screen -- "Print from SD" -- "select a G-CODE file"

Illustration



Ⅷ Adjust Z motion smoothness

1. Purpose:

①To adjust Z motion mechanisms in order to get smoother motion

2. Reasons:

To set the parallelism between the 2 screw rods and the 2 guiding pins for Z motion. Horizontal waves appearing on printed objects can be improved by doing so.

This function will result in 3 full nozzle circles up and down; we recommend repeating the operation more than once for better result.

3. Attention: Those 6 screws to fix Z motion parts must be loosened before using the function, please watch our instruction video for how to loosen the screws

4. Operation sequence:

1) Info screen -- "Prepare" -- "Adjust-Z axis"

Illustration