

CERAMBOT Air Instruction Manual

Version	1.0.2
Time	20190402
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CERAMBOT Air tutorial

1. Preparation work:

- 1) According to the assembly tutorial, the CERAMBOT Pro is assembled, the wiring is completed, and the firmware is burned.
- 2) Supply power to the printer connection adapter, start the air compressor, provide at least 0.8Mpa air pressure, and the gas storage tank is more than 8L. Connect the air line as shown. Pay attention to the direction of the air inlet of the pressure regulating valve inlet.



2. First use

- 1) CERAMBOT Air is loaded into the mud

First, refer to the video, put the mud into the barrel, screw the standard barrel into the metal back cover, and make sure that the seam is tight, otherwise the tube will burst. The $\Phi 10\text{mm}$ feed pipe is connected to the black extruder, and the other end of the $\phi 8\text{mm}$ gas pipe is fixed to the air compressor outlet.



- a) Insert into the extruder. When pulling out the transparent tube, as shown in the figure: one hand is holding down the blue part, and the other hand is pulling out the transparent tube.

2) Pre-extrusion of mud

To adjust the compressed air pressure regulating valve, first pull the knob of the pressure regulating valve backwards, then turn the knob of the pressure regulating valve clockwise to adjust the air pressure to 0.3.Mpa. Observe the delivery of the mud to the black extruder and increase the pressure regulator appropriately. When it is observed that there is mud extrusion at the nozzle of the black extruder, the pressure regulating valve is reduced to be reduced until the mud is not extruded.

3) Offline printing steps:

- a) Insert the SD card into the left side of the printer control board to print.
- b) Follow the steps below to execute the Gcode file for printing. Press the silver knob down to enter the menu bar. Rotate the silver knob to select the item. Find "CERAMBOT.gcode" and press the knob to print. You can observe the black squeeze at this time. The machine moves up.



3. Other considerations

- 1) Observe the discharge condition of the black extruder nozzle during printing. If the discharge is small, the extrusion line is narrow, the knob of the pressure regulating valve can be adjusted to increase the value of the pressure regulating valve at the top of the printer, not exceeding 0.6MPa. Otherwise, it is dangerous. When the line width is about 5mm in the printing process, the extrusion amount is appropriate.
- 2) How to pull out the feeding tube, one hand presses the blue circle and the other hand pulls out.



- 3) After printing, be sure to clean the extrusion head and soak the PU transparent tube filled with mud in the water for the next use.
- 4) Cleaning the black extruder
 - a) rotate the black sleeve counterclockwise;
 - b) Unscrew the white nozzle on the front of the black extruder and push the screw out from the rear of the black sleeve;
 - c) Wash the black extruder in addition to the motor with clean water.