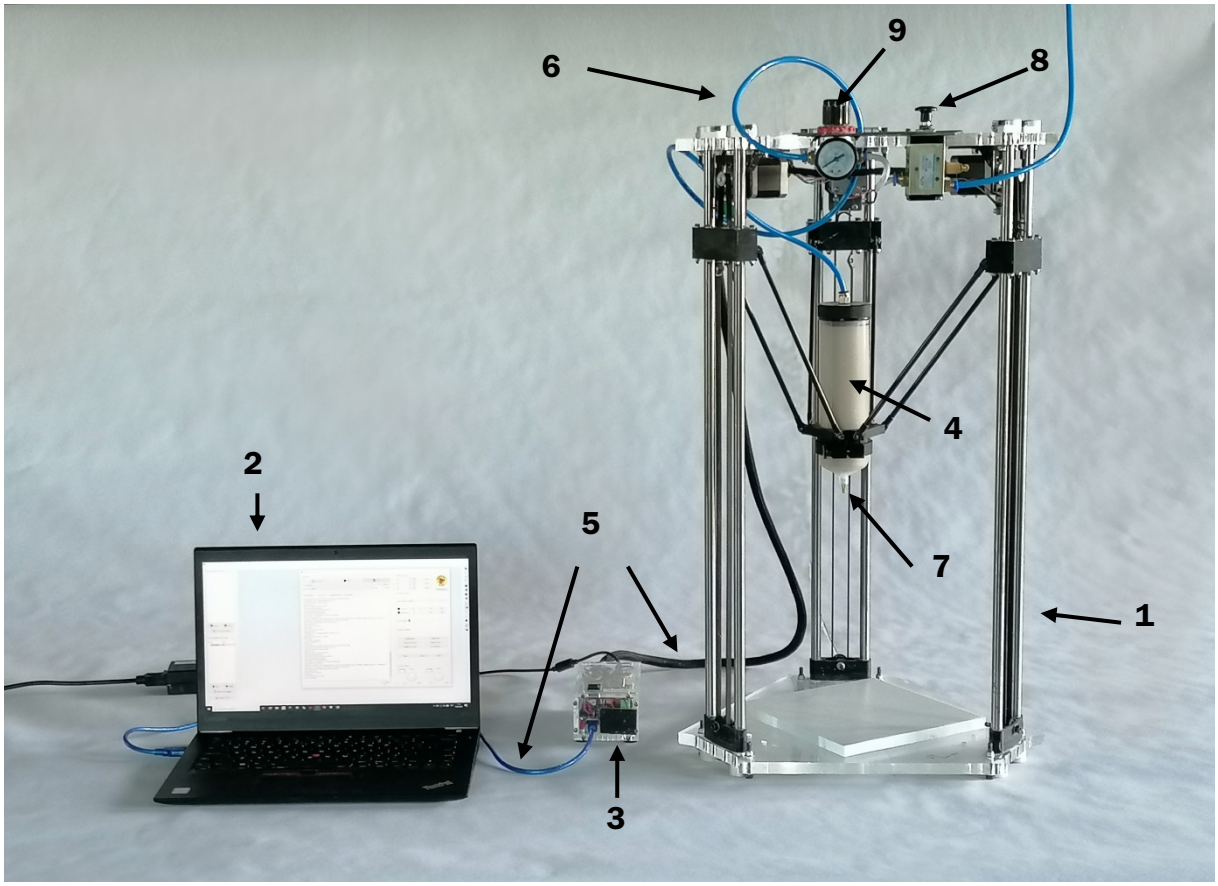
EKA

Delta 700 3D printer operating instructions

Delta 700 printer and 300 ml tube

Specifications
Printer type: delta
Print area: cylinder h 230 mm, r 100 mm
Clay container: 700 g (300 ml)

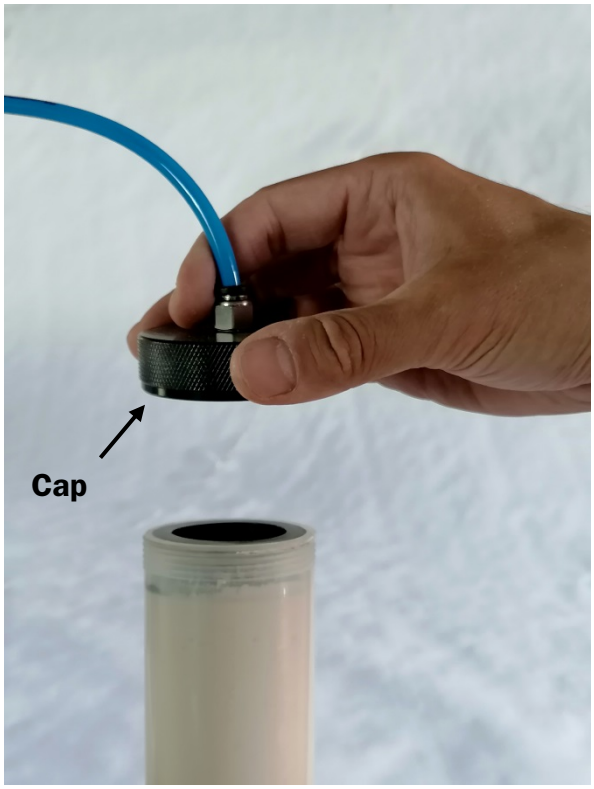


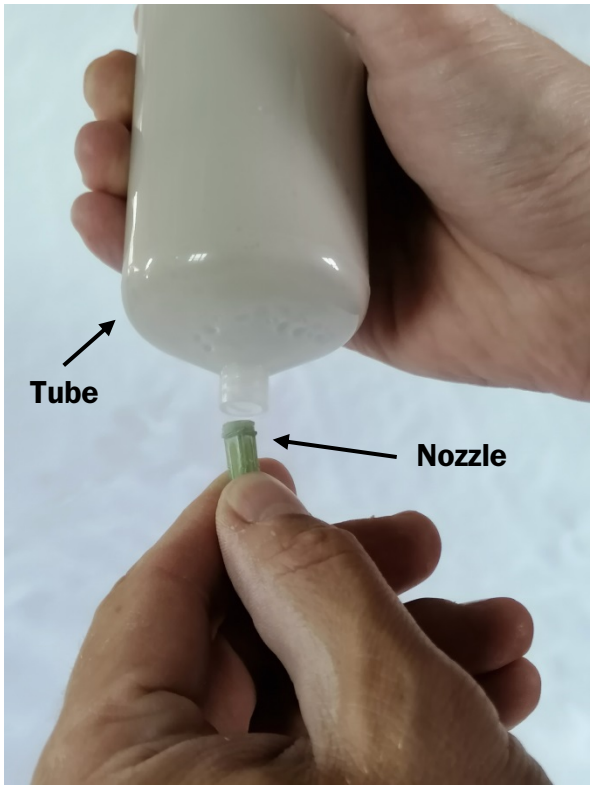
Key elements:

1. Printer
2. Computer
3. Controller box (Arduino)
4. Tube
5. Connecting cables
6. Hoses
7. Nozzle
8. Air valve (on / off)
9. Adjustable air pressure valve (with air pressure gauge)

Setting up the printer

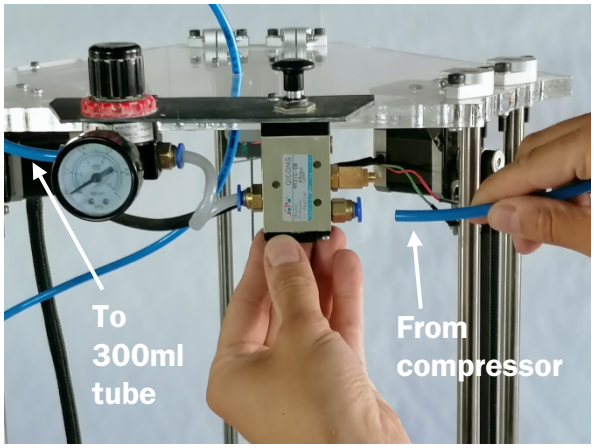
1. Connect the printer with the controller (Arduino) box. Plug it in and turn it on.
2. Connect the computer with the controller (Arduino) box using the USB cable
3. Launch Simplify3D
4. Attach explosion-proof cap to the prefilled tube (black metal cap)
5. Attach (screw in) the nozzle
6. Insert the 300CC tube into the printer tube holder

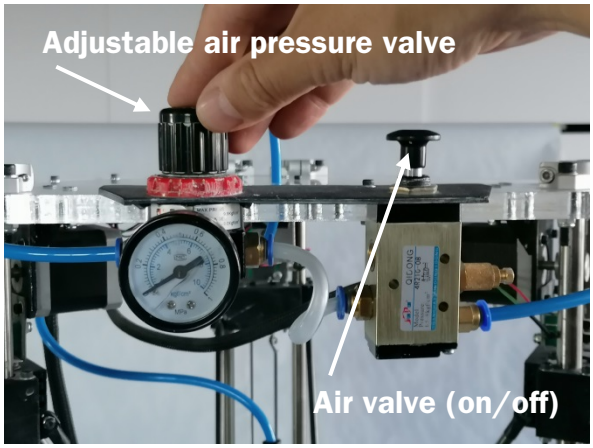




Sequence of compressed air connections (connect the hoses accordingly):

1. Compressor
2. Air valve (on /off)
3. Adjustment tap - Adjustable air pressure valve (with air pressure gauge)
4. 300ml tube





Connect the hoses as shown in the pictures (connect the air valve the last with compressor or integrated air system). Incoming air pressure should be 4–6 bar. Printing pressure is 2–4 bar.

To get the material to flow from the nozzle:

1. Before connection to the compressor, make sure the air valve is in the OFF position (pulled up)
2. Rotate the adjustable air pressure valve to the zero pressure position (all the way counter-clockwise)
3. Push the air valve to the ON position (down)
4. Gradually add air pressure to the 300CC tube by rotating the valve knob clockwise. The clay flow rate from the nozzle increases as you rotate the knob.

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