



TYPE A MACHINES

SERIES 1 & SERIES 1 PRO Unboxing and Assembly

Unboxing Your Printer

- Lay the box on the side with the “Type A Machines” sticker upright, facing you.
- With the box on its side, grasp the top-center of the printer's white frame and slide it out.
Note: Pull on the white frame **ONLY** to avoid damage to the printer.
- Remove the foam packaging, stand the printer up, and remove the plastic bag. Turn the white knob clockwise to raise the platform and remove the box held underneath.



- Retrieve the second cardboard box from the foam packaging and open both boxes.
NOTE: Retain printer box and packing for reuse in case of upgrade or repair.

Attaching the Side Panels

- Attach side panels with included bolts, spacers, and wrench with “Type A Machines” on the top panels, larger end to the rear.
- Place spacers between the printer and side panels, then insert bolt. Ensure webcam bracket bolt, top front left, is straight before tightening.

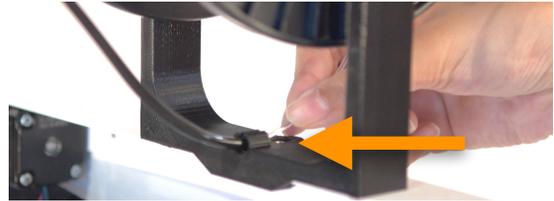
Attaching the Spool Holder

- Attach the spool holder to center top (be careful not to over-tighten), then attach guide tube.

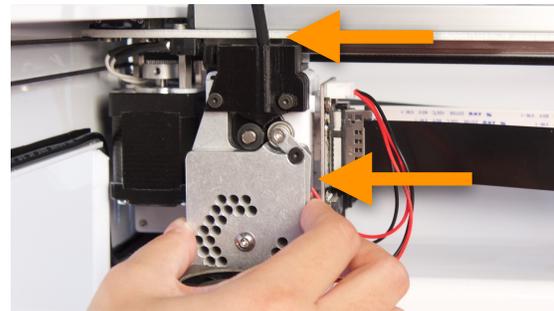


Loading Filament

- Place filament on the included rod and place the rod into slots at the top of the spool holder.
- Trim the filament end and feed it through the guide.

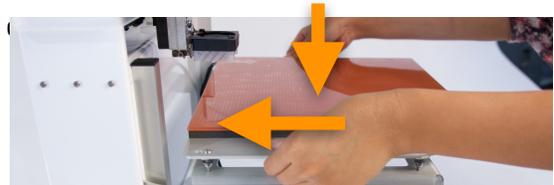


- Remove the yellow tie holding the print head.
- While holding the lever on the right side of the print head, feed filament into the print head until it touches bottom, then attach the filament guide tube to the print head.



Installing the Build Platform

- Push the build platform down onto the spring-loaded standoffs, then slide it away from you to secure it. If equipped with a heated bed, attach the cable to the connector located on the e-tray



Final Assembly Steps

- Connecting the Wi-Fi antenna and power cable to the rear of the printer to complete assembly.

Next: Connecting and Setting Up



TYPE A MACHINES

SERIES 1 & SERIES 1 PRO Connecting and Setting Up

Connecting to Your Printer

- Turn on your printer using the front power button.
- To Connect via Wi-Fi Directly:** The printer will create it's own Wi-Fi network on startup, if no known networks are found, named "Series 1-" and the 4 or 6 digit number on the faceplate.
- Join the network, then open a browser and type:
http://series1-XXXXX.local:5000
- Replace "XXXXX" with the four or six digit serial number, then press Enter.

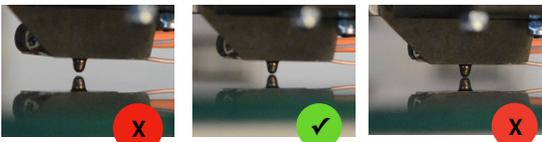


- To Connect via an Existing Wi-Fi Network:** Click the Wireless icon, choose a network, and log in. Your printer will join the network and the browser will return to the password page. Your printer will now be accessible on that network, at the same URL used previously.
- To Connect via Ethernet:** A router is required to connect to the printer via Ethernet. Connect an Ethernet cable first to the router, then printer. The printer will join the network when turned on.

Checking Build Platform Alignment

The print head must be the same distance from the build platform at all points or filament may not adhere or extrusion may be blocked.

- In the Control tab, press the Platform Home button to move the bed to the home position.
- Press the "Motors Off" button to the left.
- Next, turn the white knob to adjust the build platform until the needle touches, but exerts no pressure on the surface
- Last, move the extruder to all corners to confirm.



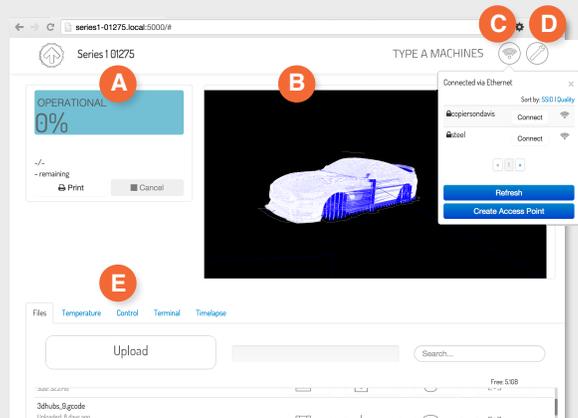
Aligning the Build Platform if Needed

- Loosen the *black thumbscrews* on the build platform underside. Adjust the platform using the *white thumbscrews* until the needle just touches the bed at all corners, then tighten the black thumbscrews to lock it in place.



- Verify Platform Home position after adjustment before printing (next section). Vibration and impact can affect alignment, be sure to verify it

The Series 1 Interface



- A Status Indicators**
Print status, errors, and progress
- B Visualizer**
Live cam view (if equipped), 3D model render
- C Wi-Fi Settings**
Wi-Fi network select, Access Point mode
- D Settings**
General printer settings
- E Tabs**
Files: File upload and management, "Cone" file
Temperature: Print head, heated bed controls
Control: Direct print head control, Home
Terminal: Command-line interface
Timelapse: Timelapse video playback

Next: Preparing to Print



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Preparing to Print

Checking the Platform Home Position

The Platform Home is the position to which the build platform moves when a print starts. If the surface is too near, the filament will be blocked from extruding and the extruder may make a clicking sound. If the platform is too far, the filament will not adhere to surface.

Adjusting the Platform Home Position

- Adjust the Platform Home position, by turning the black knob a quarter turn at a time.

Clockwise lowers the platform, increasing the distance between platform and extruder.

Counterclockwise raises it, decreasing the distance between platform and extruder.



- Press the *Platform Home* button to move the platform to the new setting after each adjustment, then check if it is correct.

Preparing the Build Surface

- To help the print adhere, apply a single pass of glue stick to the glass build surface.

IMPORTANT SURFACE TREATMENT NOTE

Some materials, such as PET, will bond permanently with the glass build plate if printed in direct contact. This will result in damage *not covered under warranty*.

- Refer to the manufacturer of a material for surface treatment requirements.
- Use a surface treatment whenever using unfamiliar materials.

Printing

It's time to print. A model of a cone has been included on the printer. This model is already prepared, has optimized for print speed, and should take a little over 15 minutes to print.

To print the Cone model:

- Click the Files tab within the Series 1 interface and locate the file named "Cone".
- Click the Printer icon to the right of the file and the printer will begin to print.

The print head (and heated bed, if equipped) will come up to temperature and the print will start. Beware of hot components while in use.

You can monitor the print head and build platform temperatures in the Temperature tab.

When finished, use the included spatula to remove the print from the build platform. Avoid putting pressure on the platform so that alignment is not affected.



Congratulations
on your first print!

Get More from Series 1

Get more from your printer at the Type A Machines website. Download Cura for Type A to prepare models for printing, get the user manual, and shop for filaments and accessories.

<http://www.typeamachines.com/gettingstarted>

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