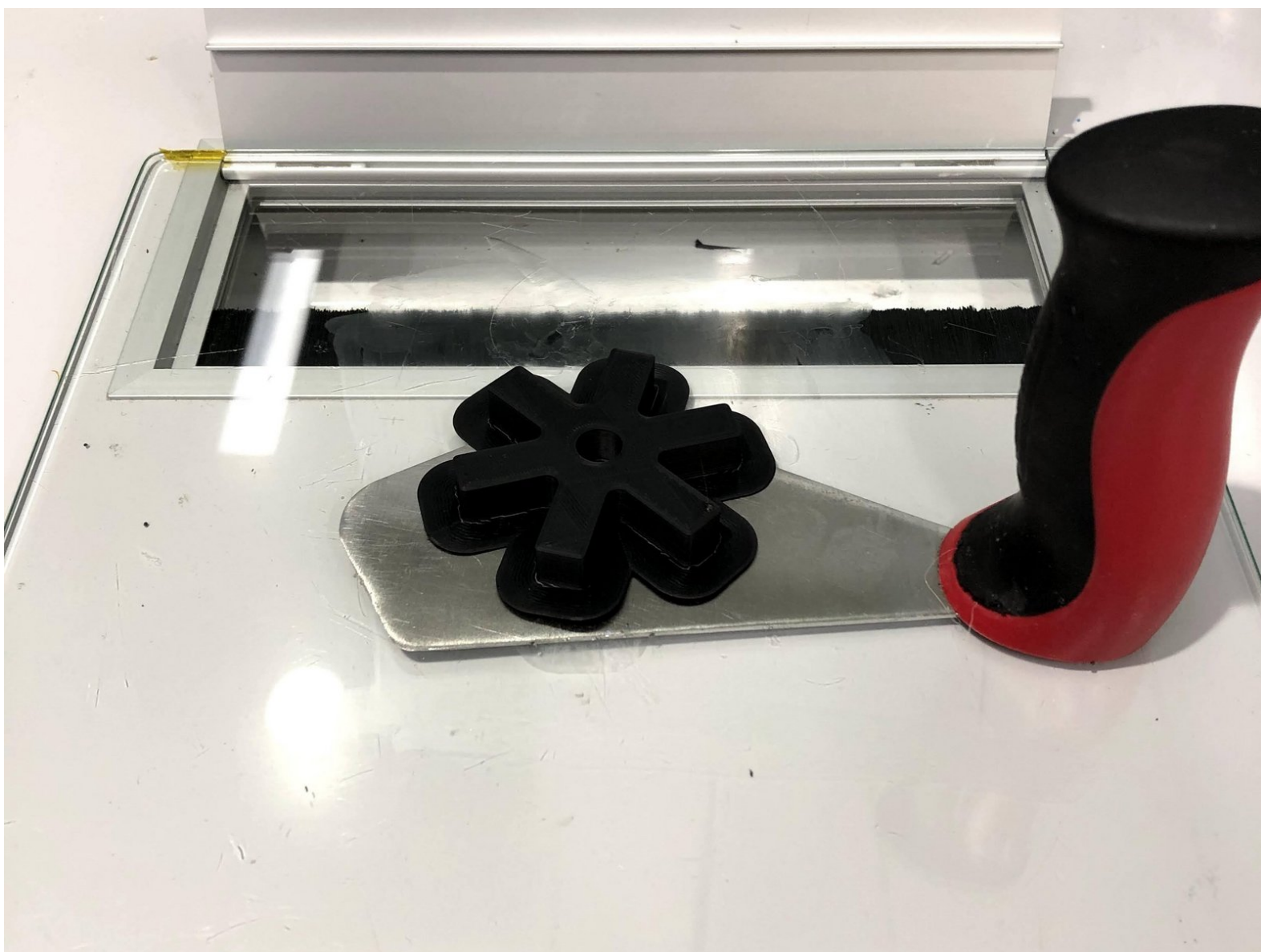




Ultimaker 2+: Harvesting

Explains how to harvest a print from the Ultimaker 2+

Written By: Rebecca Marie Hirshon



Introduction

This guide will explain the steps to properly harvest the Ultimaker 2+

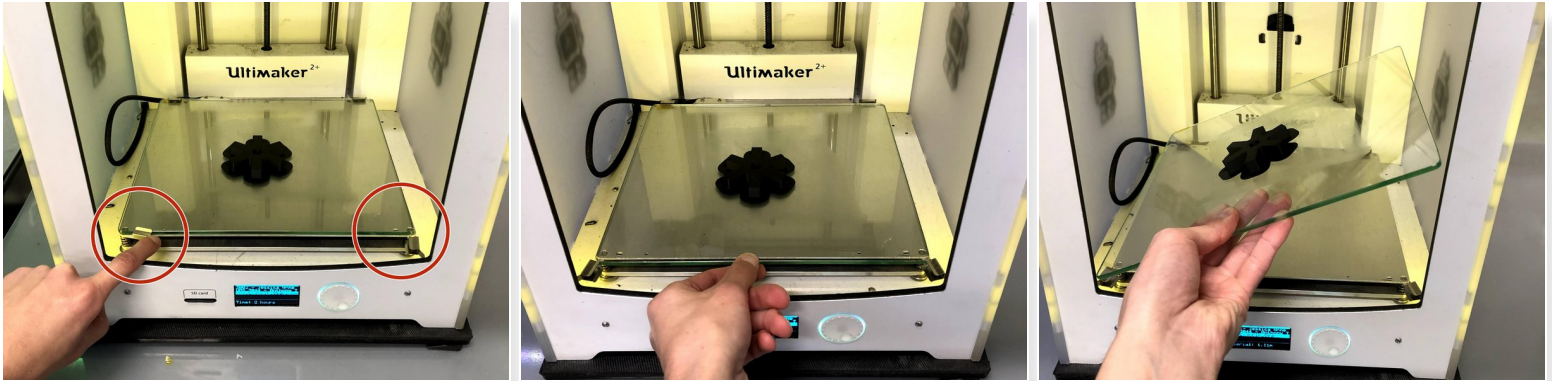
Pictures by: Nico Lagendyk



TOOLS:

- [Spatula](#) (1)
 - [Pick](#) (1)
 - [Needle Nose Pliers](#) (1)
 - [Water Bottle](#) (1)
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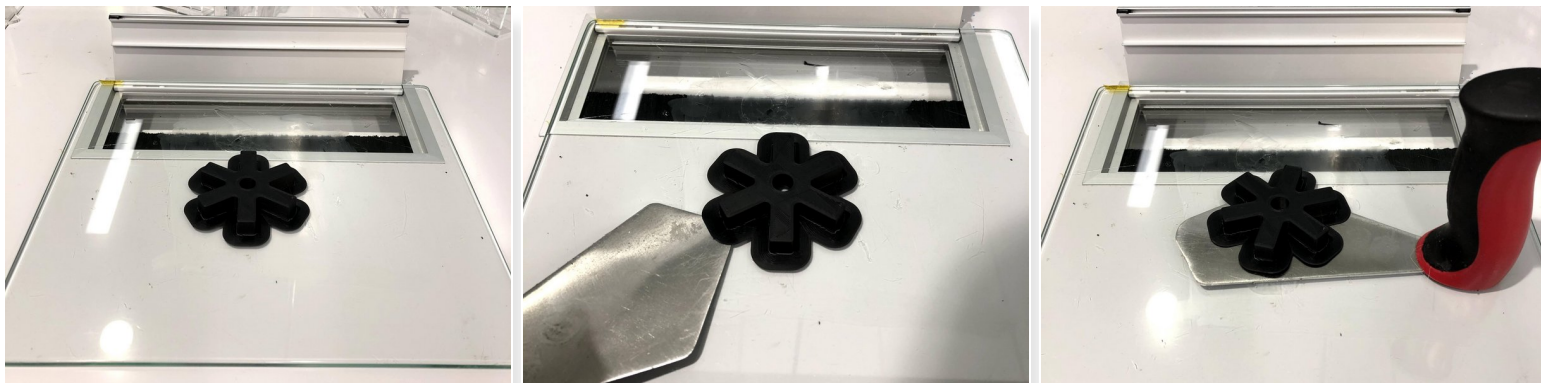
Step 1 — Removing the Build Plate from the Machine (Original)



i This step only applies for Ultimaker machines that have the original build plate setup, please see steps 3 and 4 for instructions using a Flexplate setup

- Wait until the build plate has cooled
- Pull the **metal clips** towards you, releasing the build plate
- Slide the build plate forward slightly
- Tilt the build plate and lift to remove it from the machine

Step 2 — Removing the Print from the Build Plate (Original)



- Place the build platform on a flat surface or in a fixture
 - This can be useful to avoid the build plate sliding around while trying to remove a print
 - If a fixture is unavailable, try to utilize a flat lip or wall in your work area
- Using a spatula work around the edges of the raft and slowly push further each time
 - If the part is particularly stuck, carefully use a razor to lift the edges enough to get the spatula underneath

 Be patient with fragile parts as they could pop off or crack

 Avoid scratching the build plate as much as possible- especially if kapton tape is installed

Step 3 — Removing the Build Plate from the Machine (BuildTak)



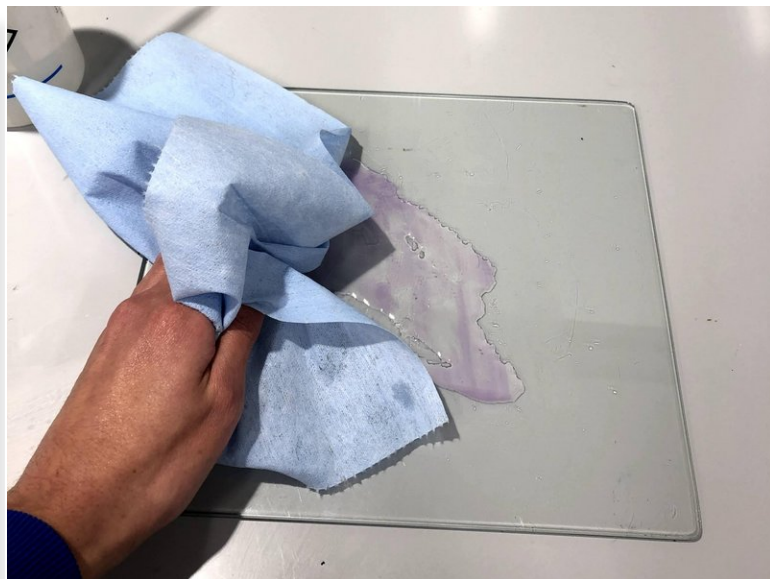
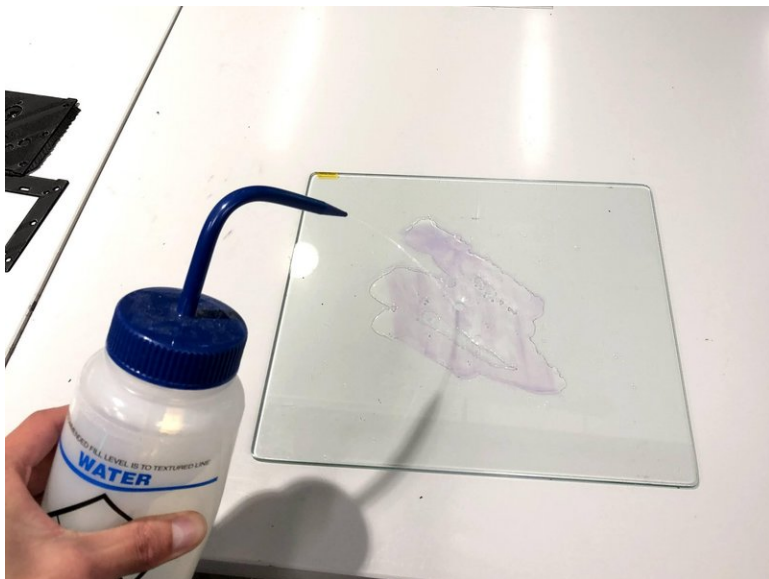
- *This step only applies for Ultimaker machines that have the Buildtak Flexplate setup, please see steps 1 and 2 for instructions using the original setup*
- The Flexplate is held on by magnets, simply lift the top portion of the plate (the spring steel sheet) upwards from the front
 - Be careful to not yank or force the z-axis to move while removing the spring steel sheet

Step 4 — Removing a Print from the Flexplate



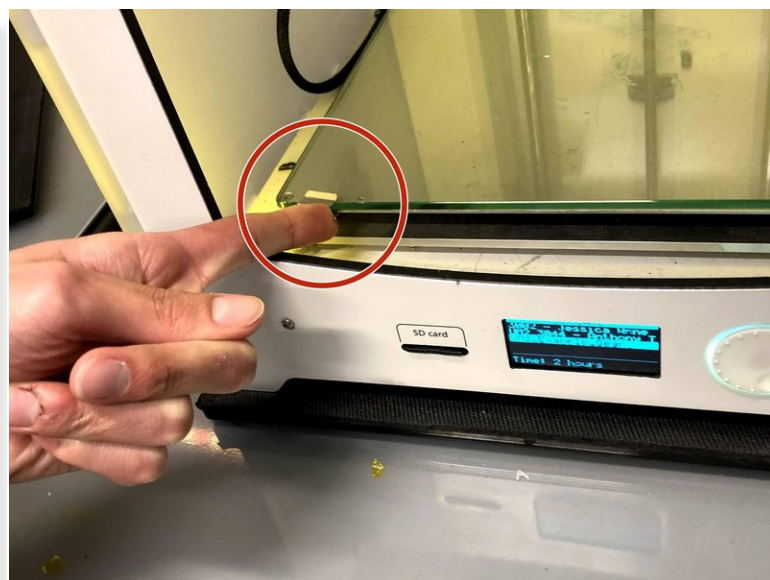
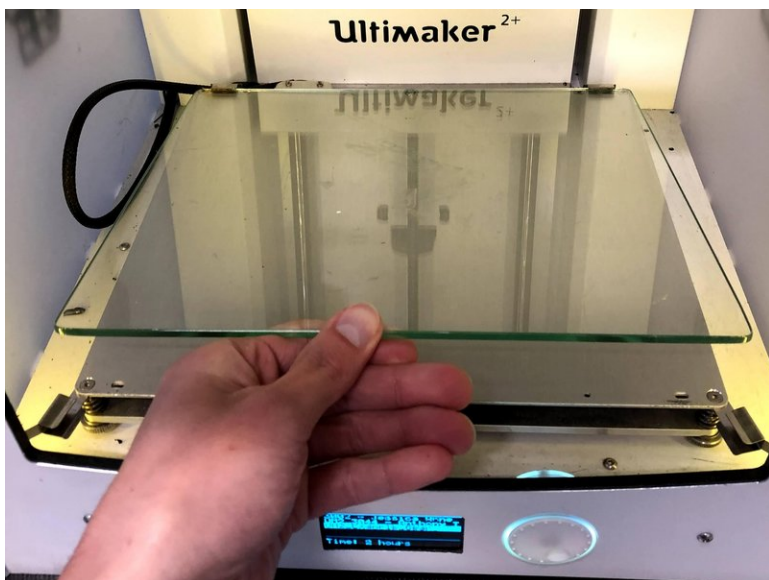
- Bend the flexible spring steel sheet, and the print should pop off
- If the part is printed in ABS, it may be helpful to re-heat the build plate on the machine and pop off the print while it is still warm
- If necessary, gently use a spatula to pop off any remnants or help print removal

Step 5 — Cleaning the Build Plate



- Scrape off any excess filament that is still adhered to the build plate with a rounded-edge spatula
- If Glue was used as build plate adhesion, use a water wash bottle to spray the build plate
 - ⚠️ Avoid getting water on the machines or other prints
- Wipe the build plate dry with a paper towel or cloth
- If using a Buildtak or Kapton surface, use IPA and a towel to wash then dry the surface
 - ⚠️ Do not use IPA to wash off water-soluble glue

Step 6 — Returning the Build Plate to the Machine



- For the original build plate:
 - Slide the build plate back onto the printer
 - Close the **metal clips** onto the build plate securing it to the printer
- For the BuildTak Flexplate:
 - Line up the back edge of the spring steel sheet with the back of the build platform while holding the sheet at an angle
 - Slowly lower the build sheet onto the platform, being careful not to pinch your fingers

Step 7 — Basic Post-Processing of Printed Parts



- For simple prints, the raft will come off by using even force closest to the corner between the part and raft
- For more complex parts, the raft may require some poking and prodding from the spatula- use gloves to avoid cuts
 - If the raft is fused to the part, re-slice the part with a larger raft-to-model spacing
- Supports can be removed using pliers or picks and patience
- Supports that are fused to the part and difficult to remove may require additional post-processing, or need to be re-sliced with larger spacing