

DREMEL DIGILAB

3D45 Print Removal

⚠ WARNING Read the Dremel 3D45 manual and these instructions. Failure to comply with the warnings and instructions may result in fire, equipment damage, property damage, or personal injury.

Always unplug Dremel 3D45 from its power before performing any service procedures. Failure to do so may result in personal injury and equipment damage.

Use only Dremel approved materials and components. Use of object materials, or 3D objects other than Dremel approved object materials and genuine Dremel components may void warranty.

Repairs on the Dremel 3D45 may require the use of special tools (pulling devices and bearing press). Authorized repair centers have trained repair technicians and equipment necessary to perform these repairs.

For the location of the repair center near you, please look on our web site at www.Dremel3D.com and follow the link for 'Support'.

⚠ WARNING Do not touch the extruder tip or heated build platform during Dremel 3D45 operation or until it has cooled down to at least 60°C (140°F). Contact with the extruder tip or build platform during or after operation before tip and build platform has cooled may result in personal injury.

⚠ WARNING Use personal protective equipment. The use of protective equipment such as heat resistant gloves and safety glasses will reduce personal injuries.

⚠ WARNING Be aware of your body position when using hand tools to remove objects from the build platform. Sudden tool slip and improper body position during object removal from build platform may result in personal injury.

⚠ WARNING Do not drop the build platform. Tempered glass plate may break and result in personal injury.

⚠ WARNING Do not twist or bend the build platform while removing objects. Tempered glass plate may separate from plastic holder and result in personal injury.

⚠ WARNING Avoid scratching the build platform when removing objects. Scratches in the build platform will result in improper object creation.

⚠ WARNING Ensure there are no by-standers when the instructions are being executed.

PRINT REMOVAL INSTRUCTIONS

[Please click here for Video Tutorial](#)

Tools Required:

- Object removal tool

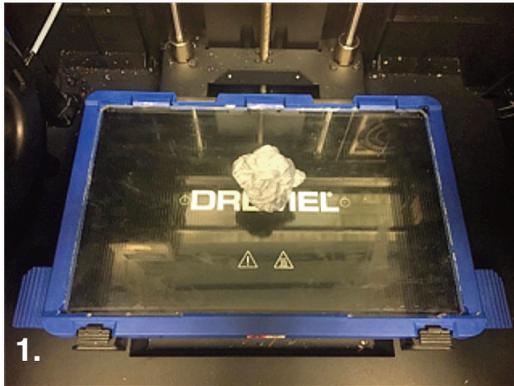
Removing the printed part from the build platform can be performed in different ways. Be cautious when removing the part as injuries can occur when using the object removal tool. Below is the suggested way to remove a part from the build plate:

Step 1: Bring Printer to Safe State

Allow the build plate and nozzle to cool down below 60°C before handling. To ensure this, using the touchscreen go to tools, preheat, then select pause on both nozzle temperature, and platform temperature icons, check the temperature, allow it to drop below 60°C on both nozzle and platform. The build platform may take up to 20 minutes to cool down before it is safe for you to get in contact with it.

Step 2: Remove build plate from printer

- a. Remove the build plate from the printer using the tabs on right and left side of build plate (shown in picture 1). Place it vertically against a sturdy surface (shown in picture 2).



- b. Ensure the build plate is well secure and will not slip once object removal tool is being used.

Step 3: Remove the printed part

- a. Place the tip of the object removal tool where the print is attached to the build plate (shown in the figure below).



- b. Give a firm bump on the top part of the object removal tool (see red arrow).



- c. Repeat this process if needed until the part detaches from the build plate.

Congratulations!
You are now ready to build. **Build On.**