

# ALPHA AI Premium

## Advanced CAD Functions for Dental 3D Printing



### Hollow Model

Hollowing a model allows dental professionals to significantly reduce the resin required to print an application leading to better efficiency and cost savings.



### Drain Hole

Drain holes let the resin flow in and out of a hollow model without having to add any supports. Save resin and ensure a consistent cure, a highly accurate application, and a reliable printing process.



### Support Bar

Adding a support bar helps reducing warping and distortion of a printed part after being cured. It is especially useful for applications involving an arch shape such as splints and denture teeth.



### Trim

Reduce the height of an application by trimming the first layers from the bottom to save resin, speed up the printing time, and ensure optimal conditions for printing by creating a flat and even surface.



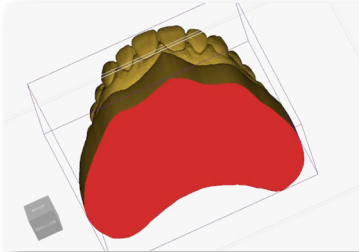
### Beveled Edge

Beveling the edge of an application makes it easier to remove from the build platform. The beveled edge provides a leverage point, allowing dental professionals to lift it off without damaging it.

## Hollow Model

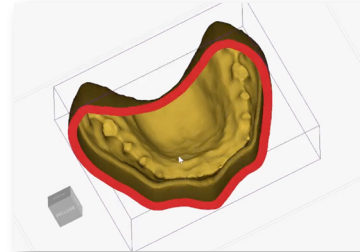
Say goodbye to spending your valuable time hollowing a dental model. With ALPHA AI Premium, dentists, dental assistants, and lab technicians can easily reduce resin required to print a model - thus reducing the cost to produce them even more.

Step 1



Click on the "Hollow Model" function and select the wall thickness.

Step 2

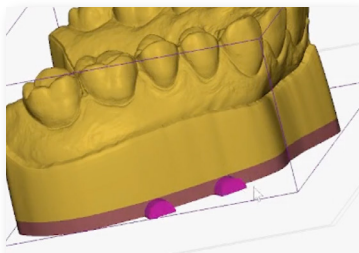


Apply the changes and your hollow model will be ready in seconds.

## Drain Hole

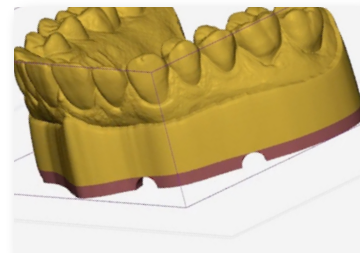
Have you ever received a hollow model without any drain holes? If so, you'd know how time consuming re-editing the application can be. ALPHA AI Premium makes it easier than ever to add the drain holes required to let the resin flow in and out.

Step 1



Click on the "Drain Hole" function and select the desired size.

Step 2

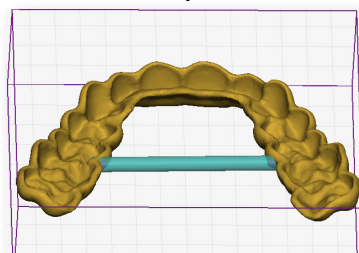


Add the needed drain holes, apply the changes and your application will be ready.

## Support Bar

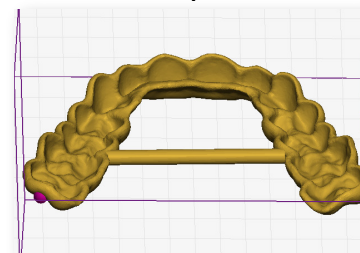
CAD design can be rather complicated for beginners. ALPHA AI Premium lets any level of user easily edit their applications to add one (or more) support bars in seconds for optimal printing results.

Step 1



Click on the "Support Bar" function and select the points you want to connect.

Step 2

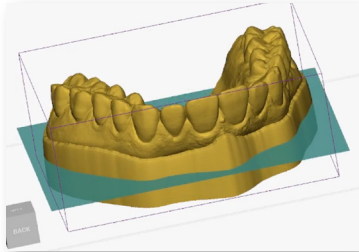


Confirm the bar thickness and apply to generate it instantaneously.

## Trim

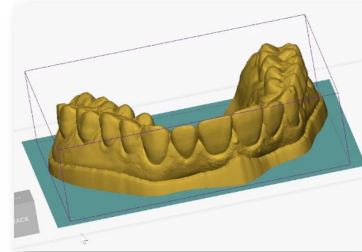
Receiving an STL file with too many layers can result in wasted time while requesting a rework. With ALPHA AI Premium, users can quickly and efficiently trim an application to ensure it meets their requirements.

Step 1



Click on the “Trim” function and select the trim plane height.

Step 2

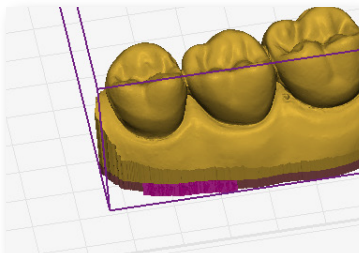


Apply the changes and witness how resin and printing time are cut down immediately.

## Beveled edge

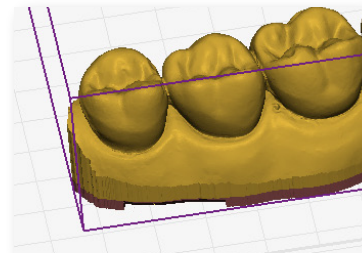
A brand-new function that does not exist in any CAD software but that shines due to how easy it is to use it in-app. No more damaging your application while struggling to remove it from the build platform.

Step 1



Click on the “Beveled Edge” function and place the edges where needed.

Step 2



Apply the changes to swiftly add the edges for easier removal.

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