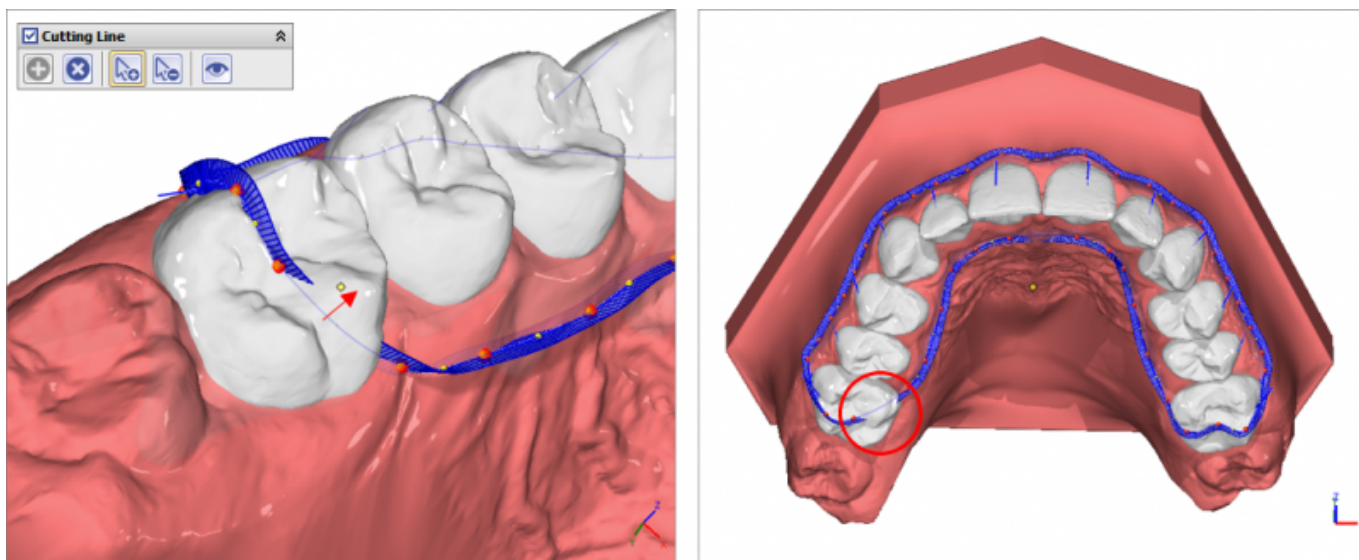


# Positive Aligners

Since 2022, various manufacturers (e.g. [Graphy](#), South Korea) have been offering CE-certified resins for direct aligner printing using the DLP print process. OnyxCeph<sup>3</sup>™ supports this manufacturing alternative by providing the optional features [Trimline](#) and [3D export of positive aligners](#).

## Trimline

The trimline is planned directly in the Aligner module and can be added using the panel [Trimline](#). Please [adjust](#) especially the distal placement of the line so that the fence visualizing the cutting direction is looking out from the model surface.



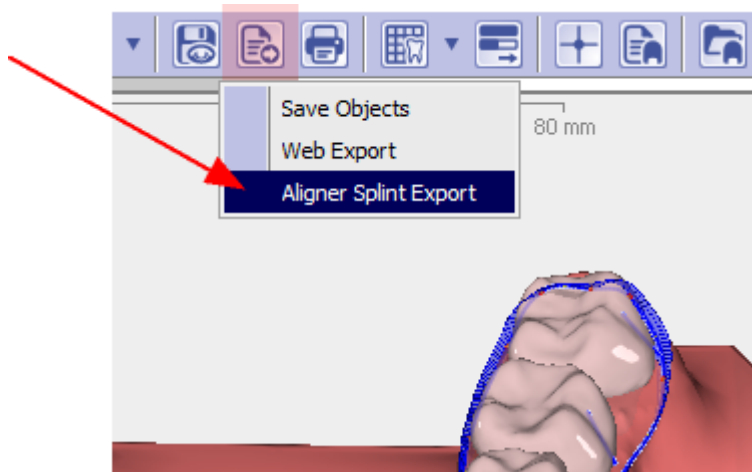
This line is now part of the project, will be automatically adapted when switching to other steps, and is also visualized on the models when switching to the 3D export.



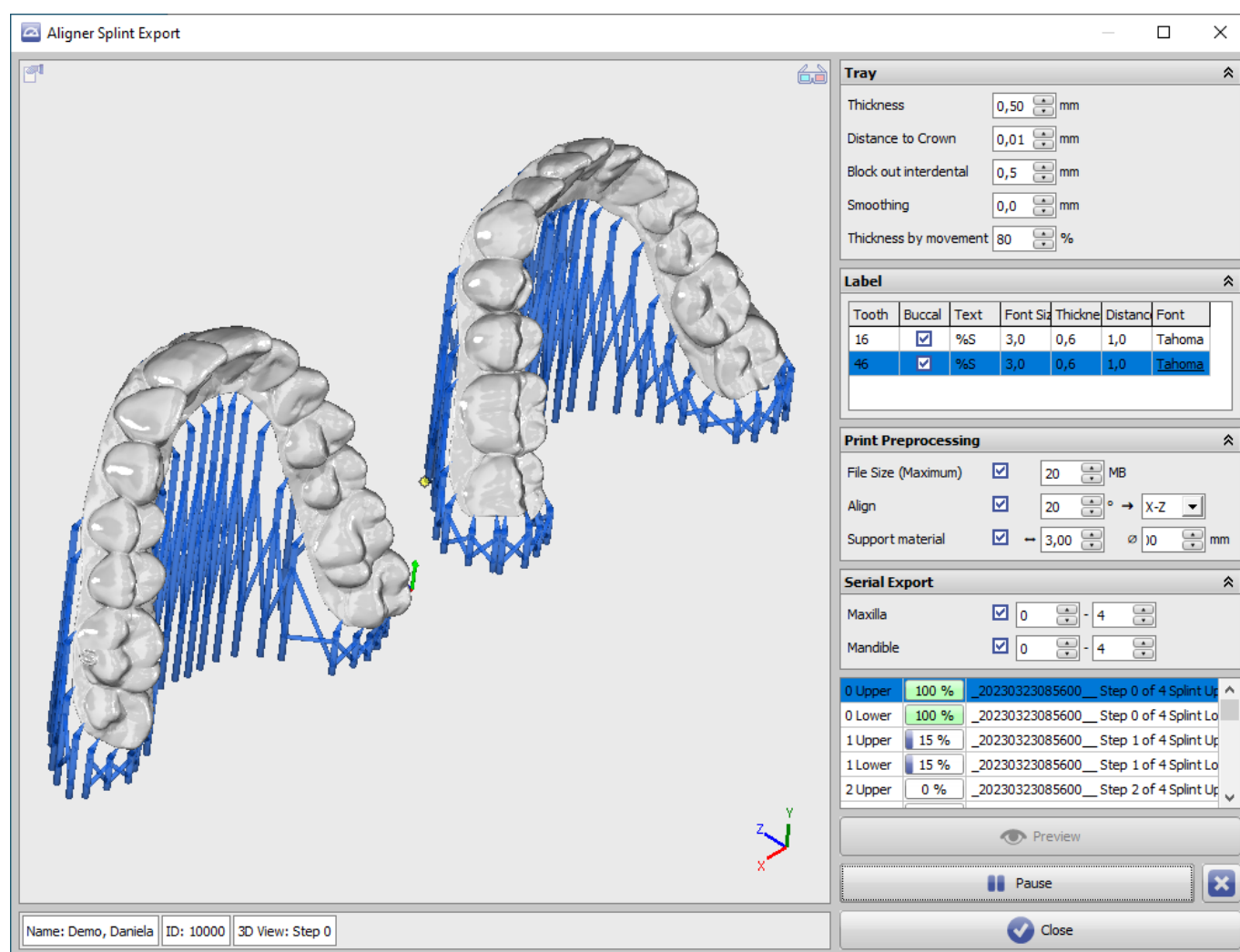
**Note:** The [Trim Line panel](#) in module [Aligner 3D](#) has to be activated on the client by a patch file which will be provided on [request](#).

## 3D Export

As of Release 3.2.195, there is a separate export window for the export of positive aligner splints, which is opened via the menu item [Aligner Splint Export] of the 3D export icon:



The required Export settings can be made in the window. Optionally, the rail thickness can also be modified in proportion to the planned range of motion.



#### Note:

According to initial user feedback, a thickness of 0.4...0.6 mm and a block-out of min. 0.5 mm should be set, and smoothing should only be applied from thicknesses of about 0.5 mm. The possibility of adding support material is intended only as a fallback option for printers whose print preparation does not provide a suitable option for this.



**Note:** The serial 3D export of positive aligners additionally requires the activation of [module Bite](#)



[Splint 3D](#), since its calculation algorithms are used.

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