

PrograMill CAM V4.0

Short Instructions

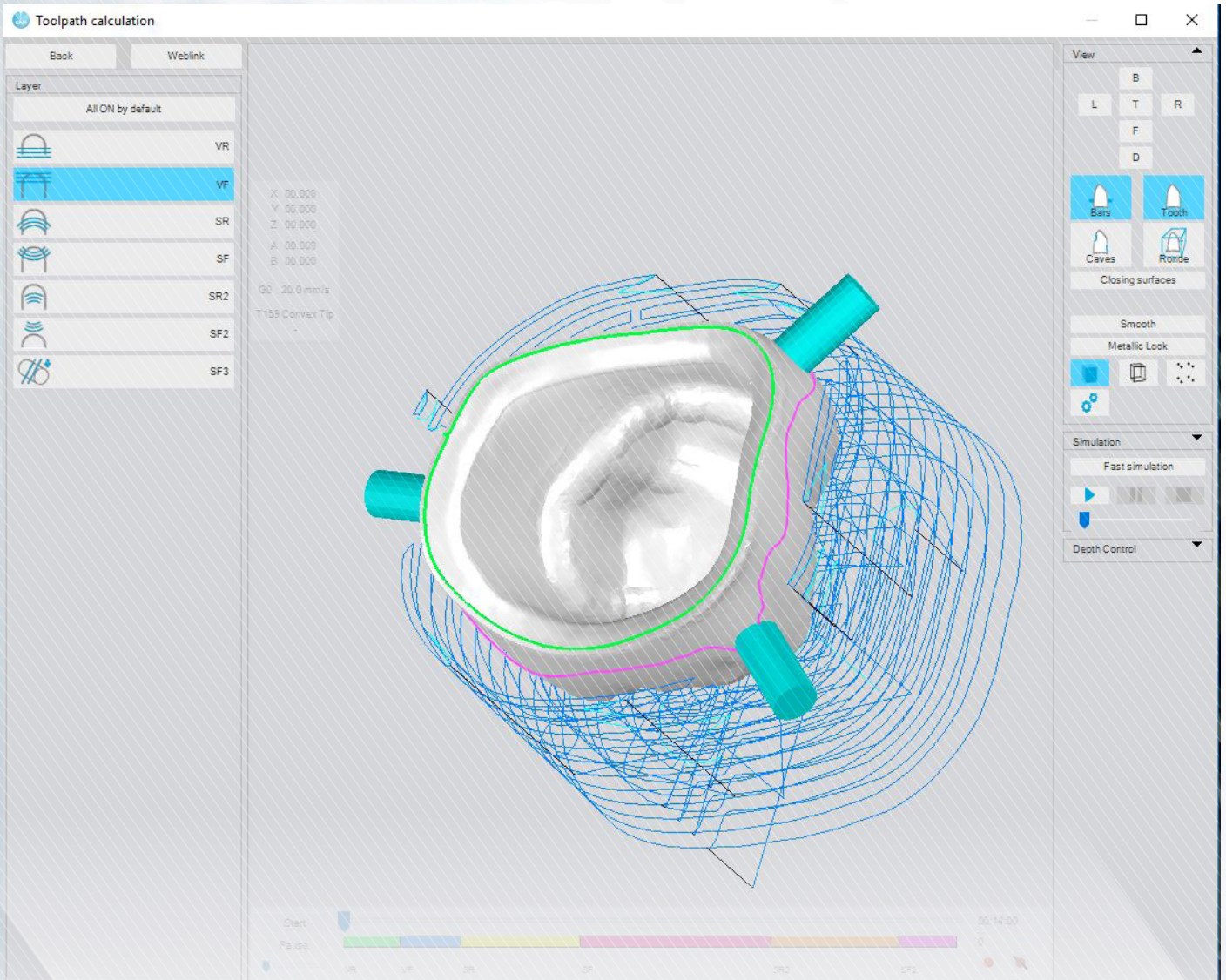


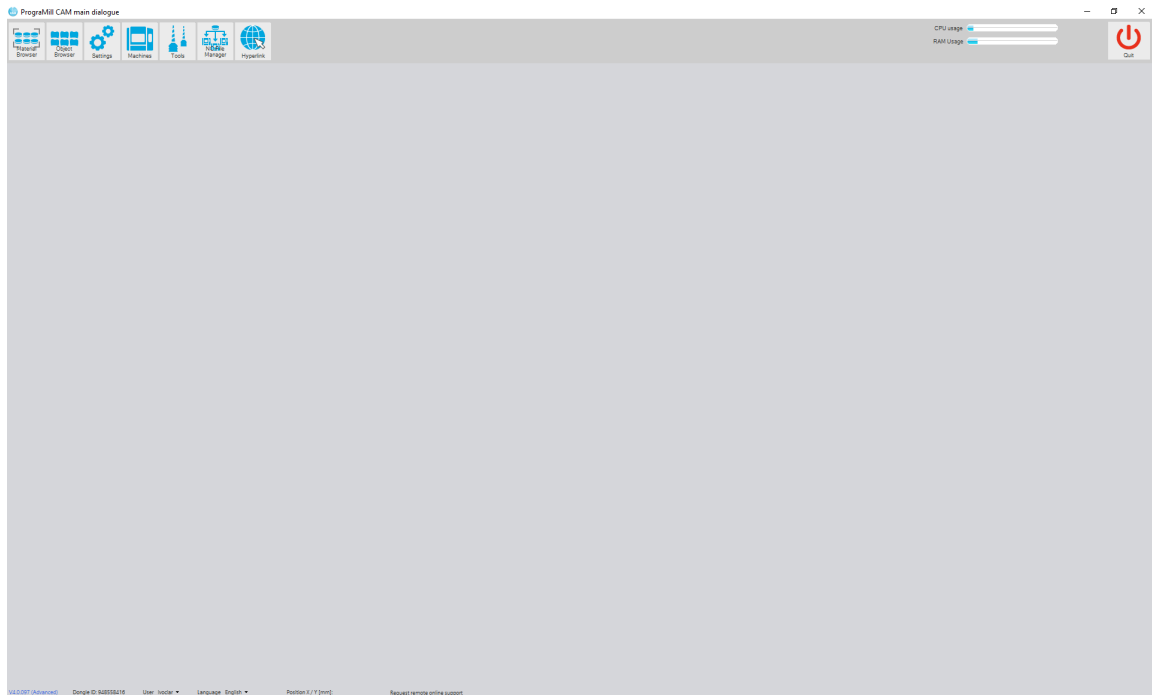
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1 Overview of the CAM workflow

Once the software is started, you will see the PrograMill CAM main dialogue.

All preparatory steps necessary to prepare objects for processing will be performed in this main dialogue.



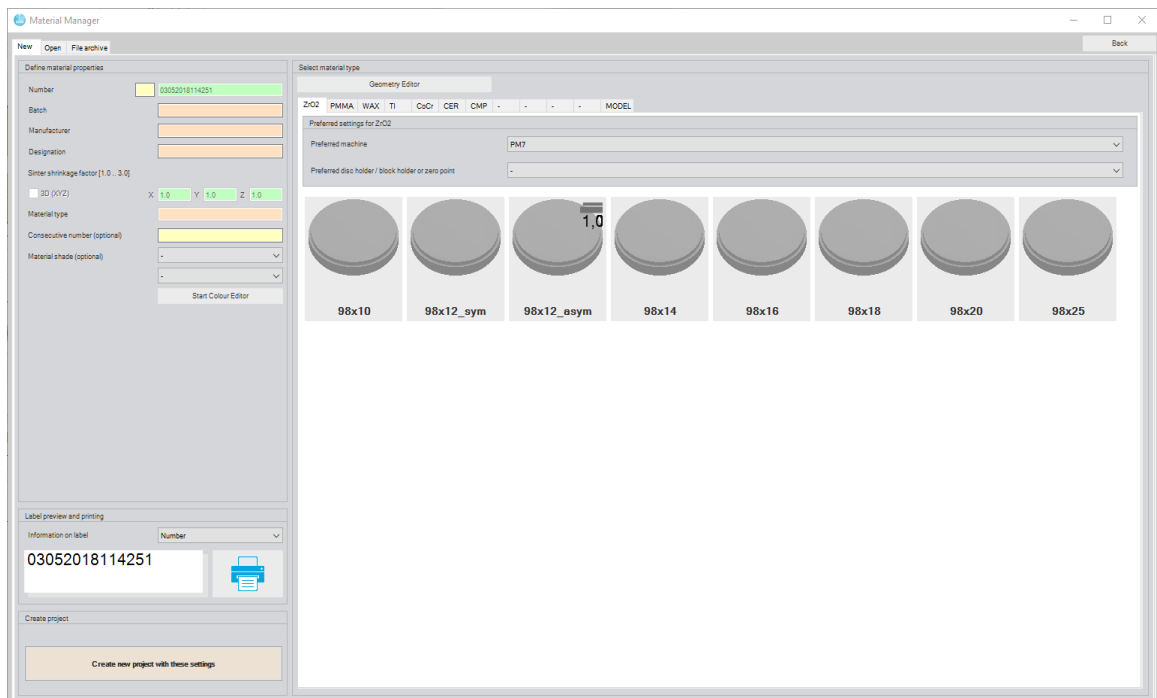
The following 7 steps will guide you through the workflow until your objects are ready to be sent to the milling machine.

- "Entering discs and holders", page 5
- "Managing and selecting material", page 6
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- "Work preparation (depending on project type, material, machine type and type of the milling object)", page 8
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2 Entering discs and holders

Discs and holders can be entered into the PrograMill CAM software via an RFID reader, if available.

Alternatively, discs and holders can be entered manually into the system via the main dialogue [Material Browser] - submenu [Material Manager].



3 Managing and selecting material

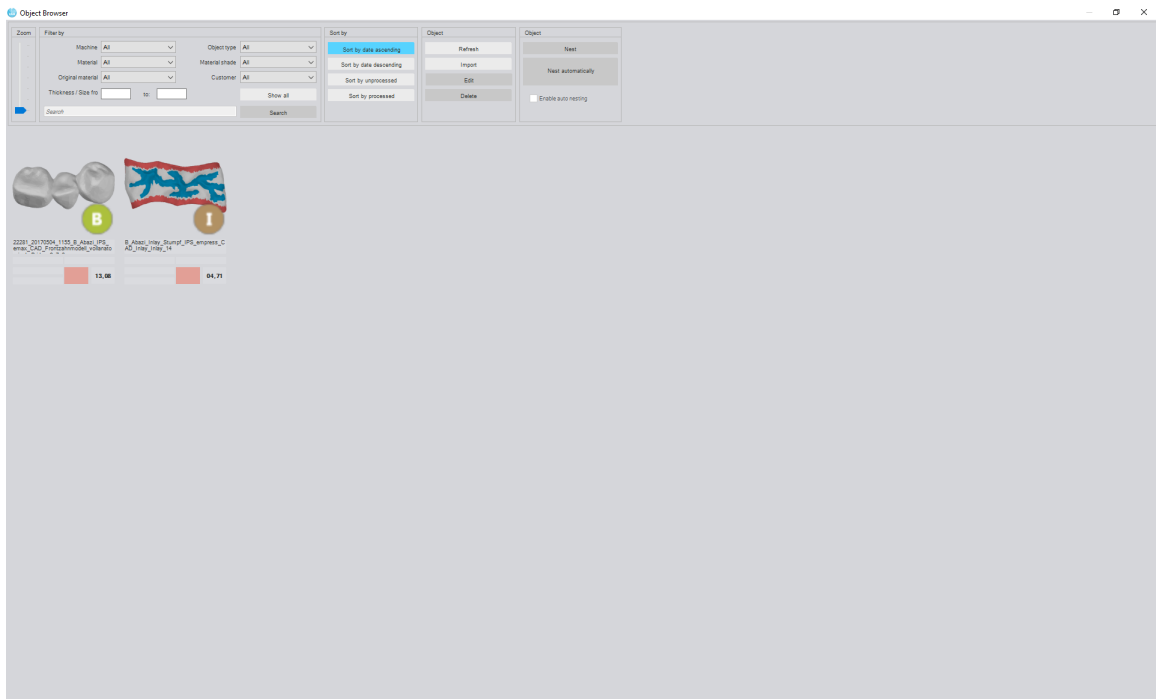
Discs and holders required for the objects to be processed can be managed via the main dialogue [Material Browser].



4 Importing the objects to be processed

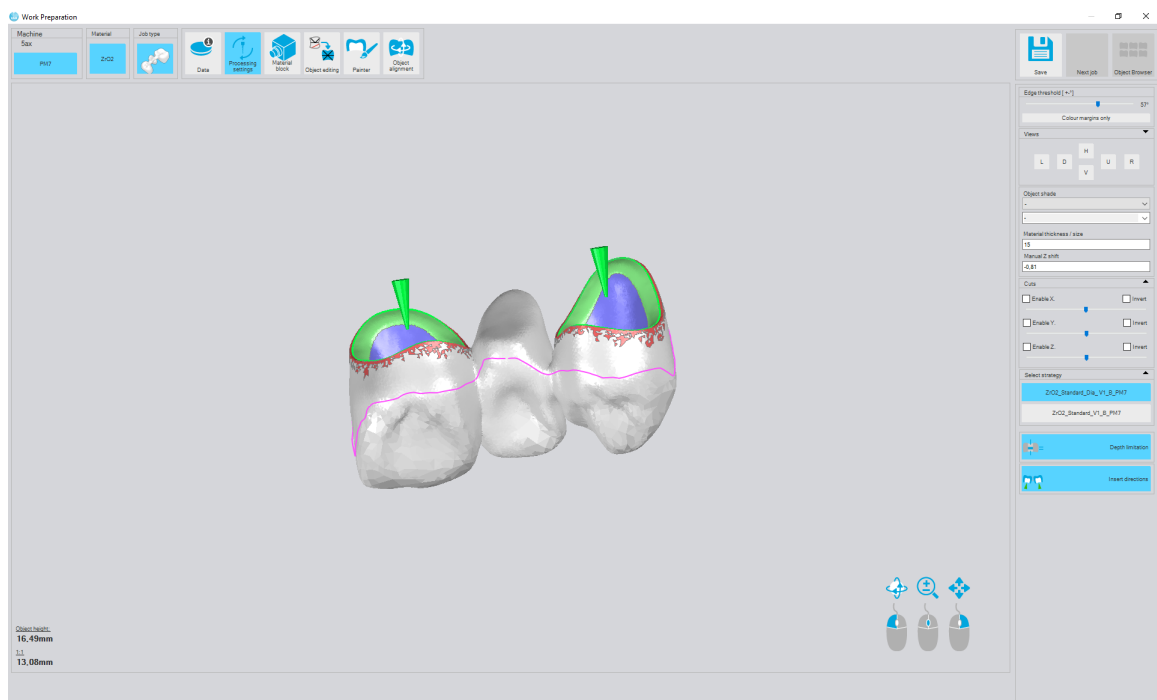
Once prepared in the CAD software, the objects to be processed can be imported via the submenu [Object Browser].

Depending on the file type (CAM5, CAM4, STL), work preparation may be necessary or you may directly start nesting the objects in the desired material / assign the objects to the desired holder.



5 Work preparation (depending on project type, material, machine type and type of the milling object)

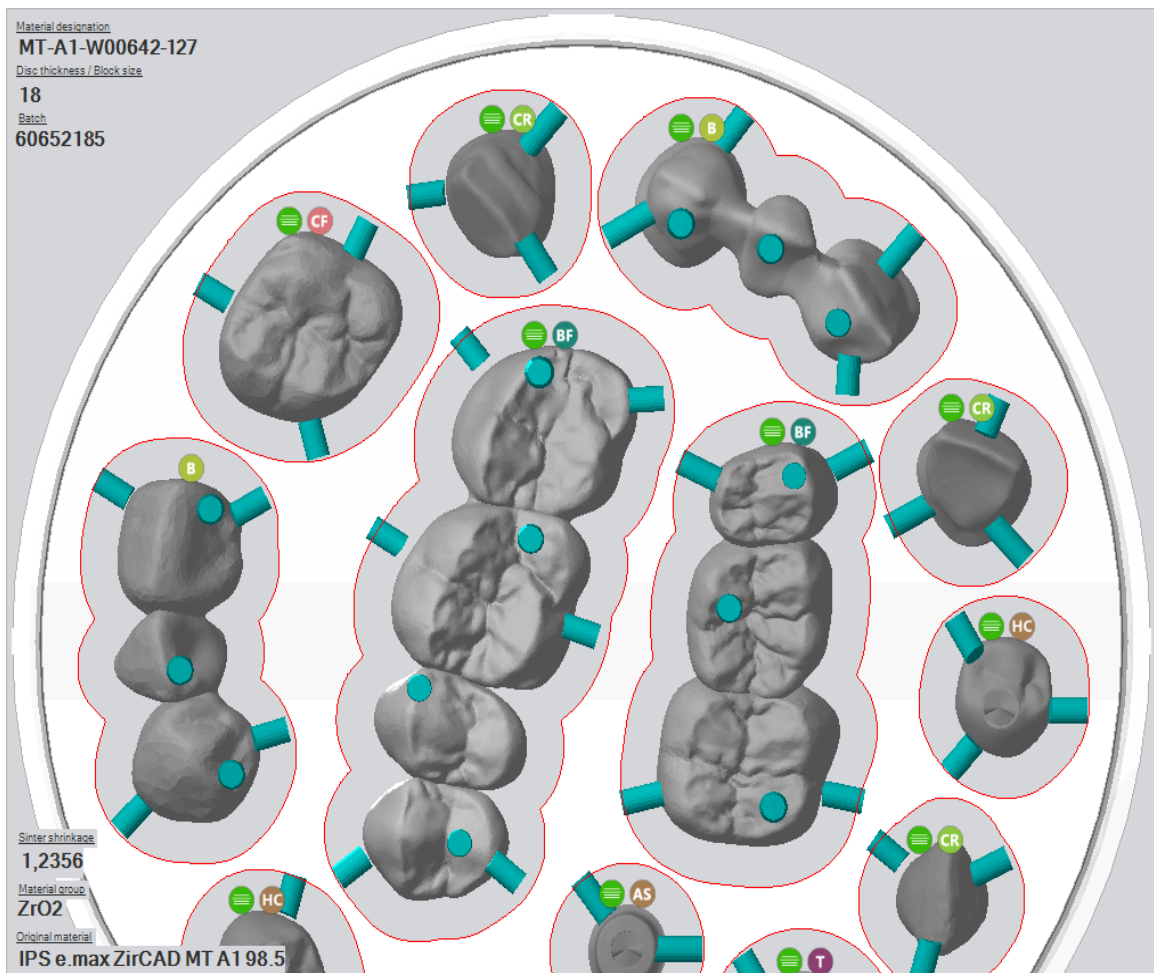
Depending on the information added to the CAD output files, work preparation may be necessary. During work preparation, different settings and features are set depending on the material, machine type, milling object and project type (selection of machine, material, milling object, processing method, contours, fissure surfaces, colour milling, object placement etc.).



6 Nesting

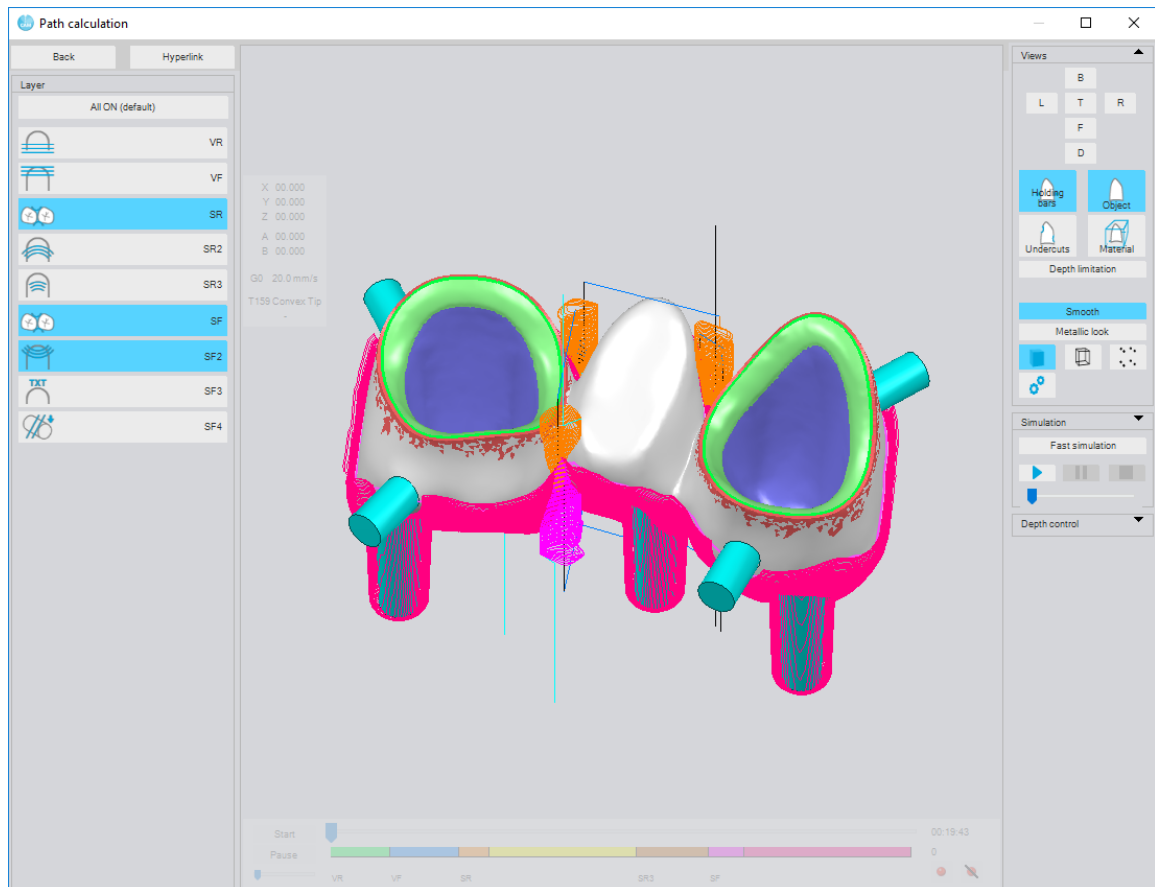
After successful work preparation, the nesting process is started in the PrograMill CAM main dialogue. During this process, the milling objects are positioned within a disc/block and prepared for the milling process (positioning, placement of holding bars, sinter drops, etc.).

A disc and one or more nested objects to be processed or a block/holder and the object together form a milling project.



7 Calculating and checking the processing path

After successful nesting, you can start the milling path calculation. The processing path is calculated automatically. The PrograMill CAM software offers you several features to check the result of the processing path calculation, to simulate it etc.



NOTICE! Start of milling process despite error in milling path calculation.

Milling process fails.

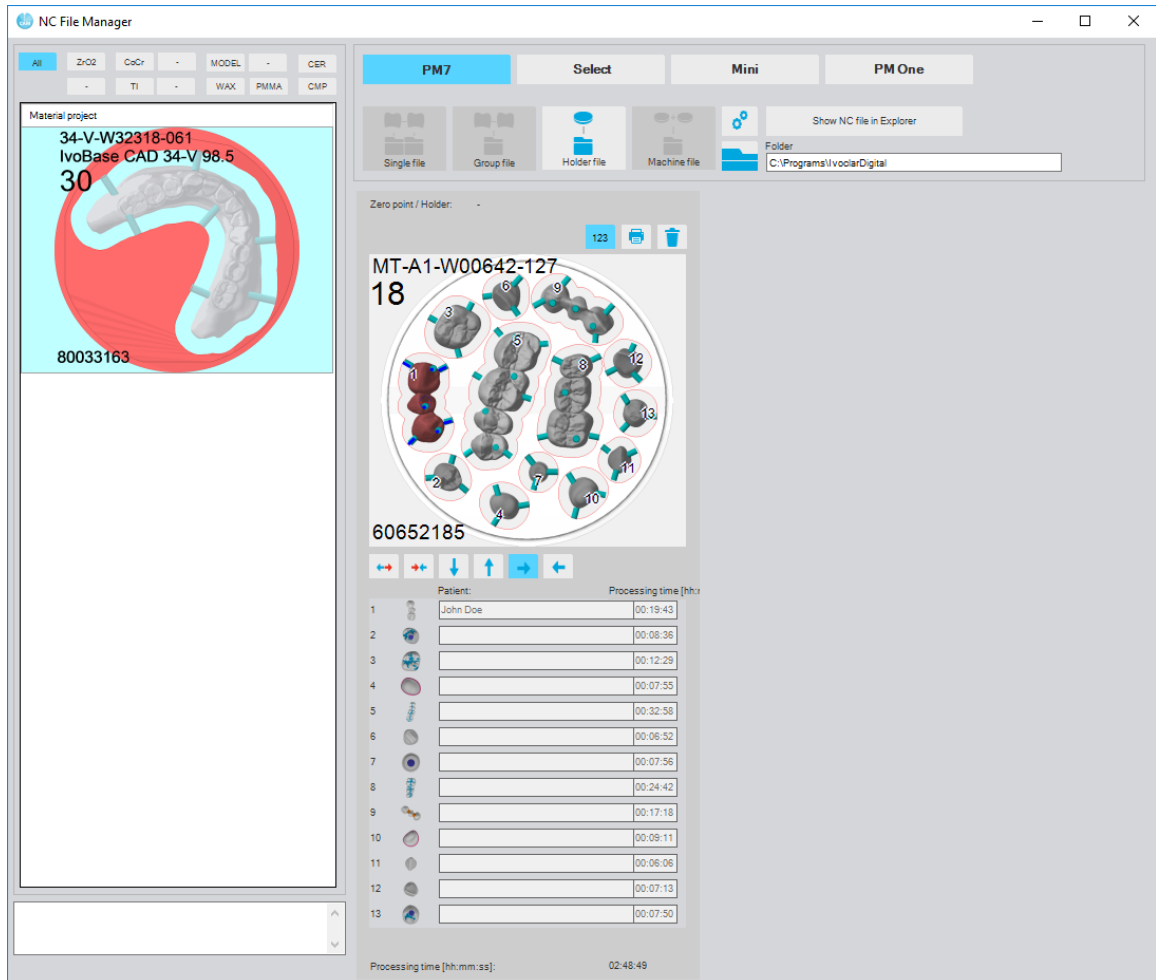
Collisions. Tool fracture.

Damage to the machine.

- ▶ Always check the milling path calculation.
- ▶ Rectify possible problems before starting the milling process.

8 Preparing the project for milling in the NC File Manager

After completion of the milling path calculation and check, select the settings for the NC files which are to be sent to the milling machine in the NC File Manager. Then, the milling project is sent to the machine.



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Translation of the original operating instructions

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For software V4.0 and higher

This device has been developed solely for use in dentistry. Setup and operation should be carried out strictly according to the Operating Instructions. Liability cannot be accepted for damages resulting from misuse or failure to observe the Instructions. The user is solely responsible for testing the apparatus for its suitability for any purpose not explicitly stated in the Instructions.