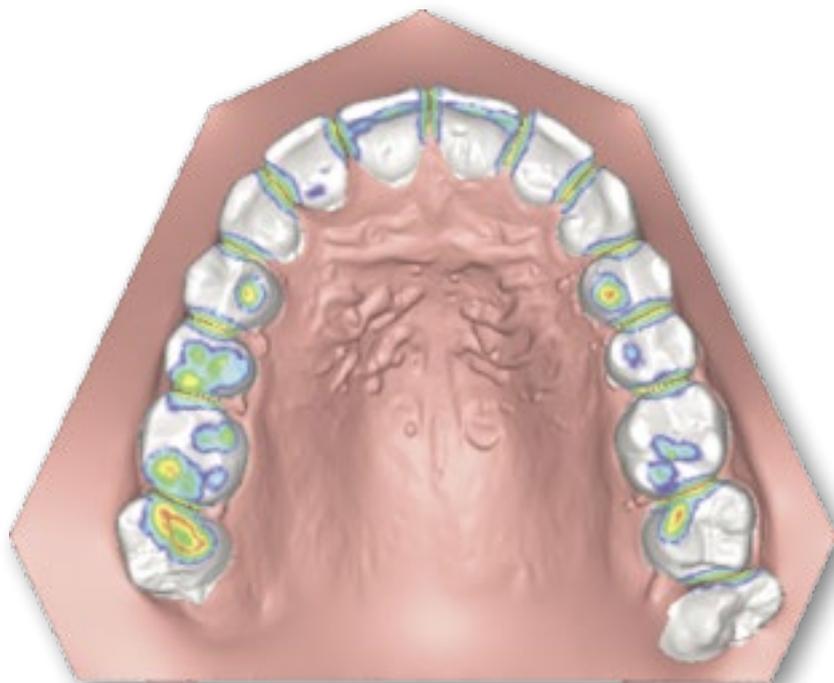


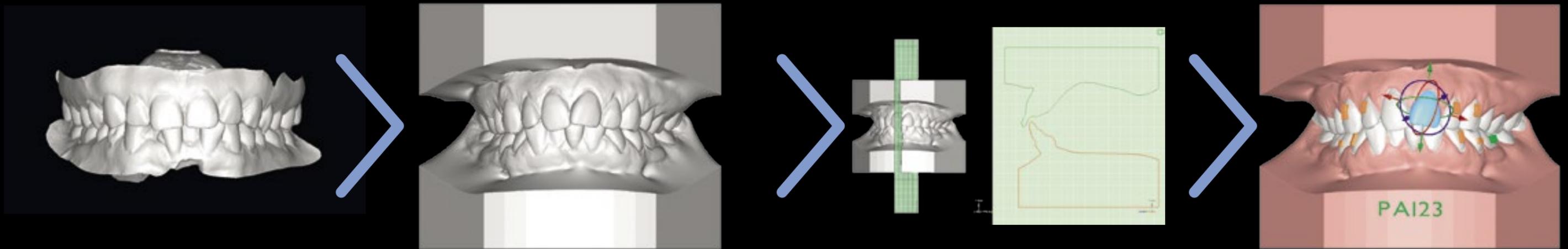
# Planmeca Romexis® 3D Ortho Studio



# 3D tools for orthodontists and dental labs

*Planmeca Romexis® 3D Ortho Studio brings innovative tools for orthodontists and dental laboratories. It is designed for the examination and analysis of digital dental models scanned with the Planmeca ProMax® 3D model scanning mode, and for orthodontic treatment planning in 3D.*

All aligned digital dental models in STL format can be used in Planmeca Romexis® 3D Ortho Studio



## Alignment of digital dental models

Dental impressions and plaster casts can be scanned with the Planmeca ProMax® 3D model scanning mode. They are trimmed and aligned with a scanned bite index in Planmeca Romexis® software. Examination, analysis and treatment planning can be done conveniently in the Planmeca Romexis® 3D Ortho Studio module.



Plaster cast



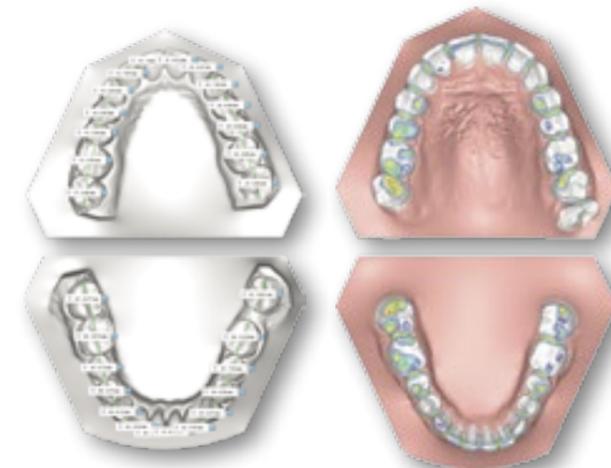
Impression scan

## Preparation of digital study models

Planmeca Romexis 3D Ortho Studio offers efficient sculpting and smoothing tools for removing artifacts and excess material from digital dental models. A virtual base can be attached to the digital models to make them more presentable to the patient and suitable for analysis.

## Versatile dental model analyses

Planmeca Romexis 3D Ortho Studio includes versatile tools for dental model analysis. Tooth, arch and cross-sectional measurements can be used in e.g. tooth size, space, overjet and overbite analyses. Teeth intersections and occlusion can be visualised with a deviation color map.



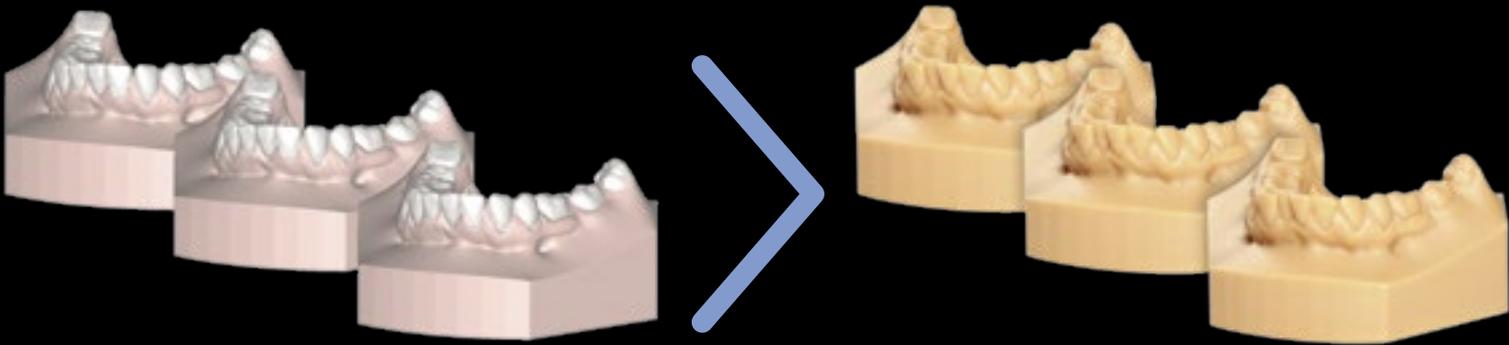
## Treatment planning in the virtual setup

The virtual setup is created by segmentation of the teeth using the fast and intuitive wizard approach of the software. It can be done conveniently either at the dental clinic or in a dental laboratory.

A staged treatment plan can be established by displacing the teeth in the virtual setup while visualising intersections and contacts. All the applied operations such as tooth movements, interproximal reductions and tooth extractions are summarised in a detailed treatment plan report.

Animation of tooth movements visualises the treatment progression from the initial setup to the planned treatment outcome and improves communication between the orthodontist and patient.

Exported digital models can be printed with any compatible 3D printer or manufacturing machine



Creation of a series of digital models

### Export of digital models in STL format

Planmeca Romexis® 3D Ortho Studio can generate a series of digital models for each treatment stage, based on user given parameters for maximum tooth movement between models. The models can be exported in STL format for 3D printing and custom appliance design and manufacturing. Excess material, such as the virtual base, can be cut off from the models before export.

### Planmeca Romexis® 3D Ortho Studio Viewer for sharing data with partners

The ortho project can be handed out with the free Planmeca Romexis® 3D Ortho Studio Viewer media, e.g. by using the Planmeca Romexis® Cloud service.

The module is compatible with Windows operating system.

# PLANMECA

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