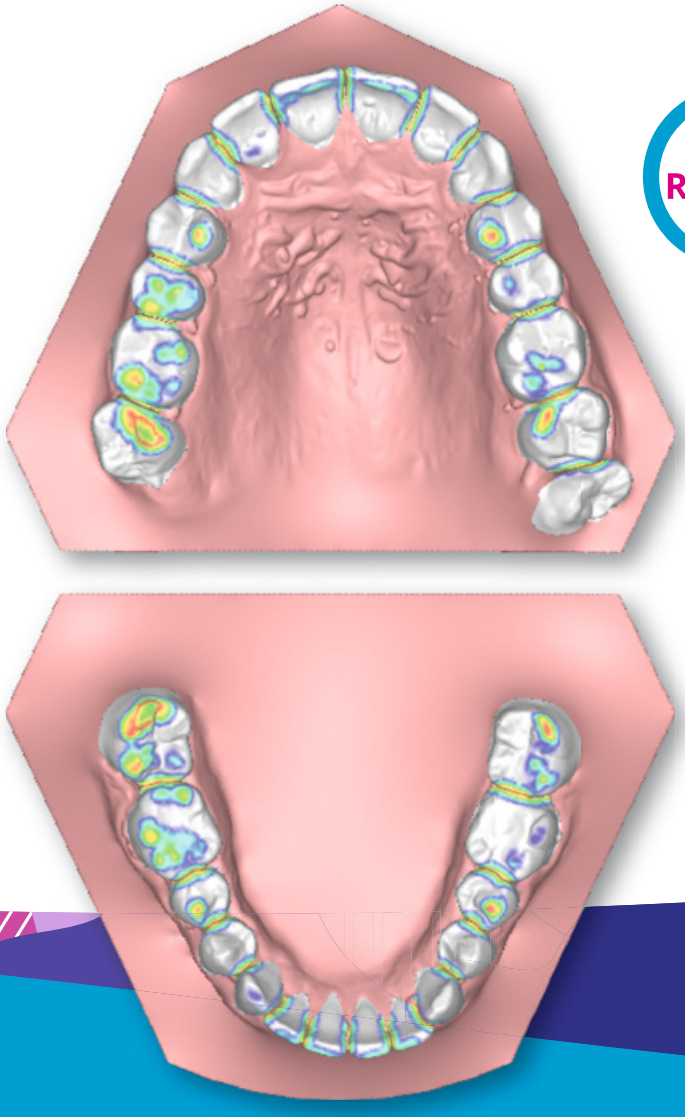
Planmeca Romexis®
3D Ortho Studio



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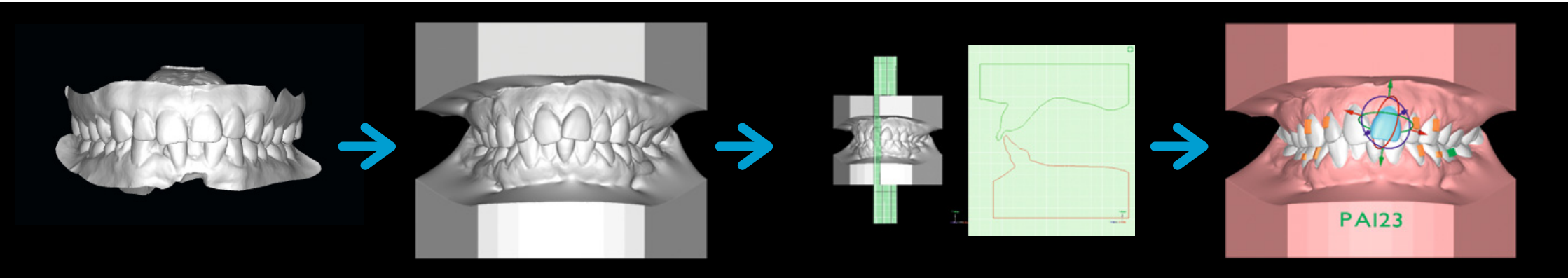
3D tools for orthodontists and dental labs

*The **Planmeca Romexis® 3D Ortho Studio** module offers innovative tools for orthodontists and dental laboratories. It is designed for the examination and analysis of scanned digital dental models, as well as for orthodontic treatment planning in 3D.*

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



Alignment of digital dental models

Digitise dental models by scanning dental impressions and plaster casts with the **Planmeca ProMax® 3D** model scanning program. Alternatively, direct digital impressions can be taken with the **Planmeca Emerald™** or **Planmeca PlanScan®** intraoral scanners. Examination, analysis and treatment planning can be done conveniently in the **Planmeca Romexis® 3D Ortho Studio** module.

Plaster cast in Planmeca ProMax® 3D

Impression scan in Planmeca ProMax® 3D

Planmeca Emerald™ full arch scan

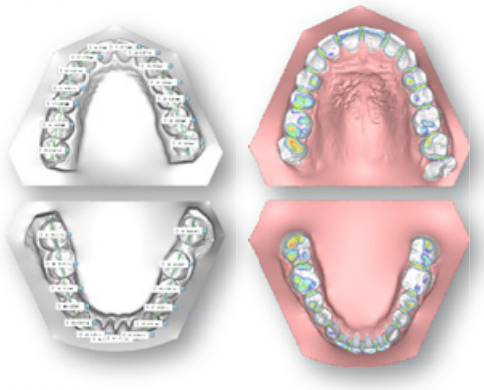
Preparation of digital study models

Utilise the module's 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 more suitable for analysis.

Dental model analyses

Planmeca Romexis 3D Ortho Studio includes versatile tools for dental model analysis. Tooth, arch and cross-sectional measurements can be used for tooth size, space, overjet and overbite analyses. In addition, teeth intersections and occlusions can be visualised with a deviation colour map.



Treatment planning in the virtual setup

In the virtual setup, a staged treatment plan can be established by displacing teeth while visualising intersections and contacts. Attachments and brackets can be placed on top of the teeth to create indirect bonding templates.

Animations of tooth movement visualise the treatment progression from initial setup to the planned treatment outcome, and improves communication between the orthodontist and patient.

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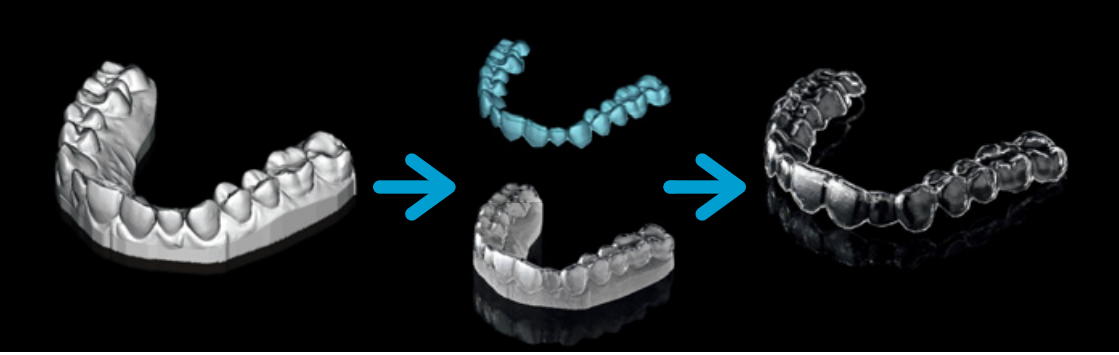

Digital model → Digital aligner → 3D printed aligner → 3D printed dental arch → Thermoformed aligner

Creating and exporting a digital model series

Planmeca Romexis® 3D Ortho Studio automatically generates an incrementally progressing series of digital models from the initial setup to the planned treatment outcome based on user given parameters for maximum tooth movement and rotation between models. Virtual clear aligner models can be automatically created on top of the digital models.

All the models can be exported in STL format for 3D printing, custom appliance design and manufacturing. Excess material, such as the virtual base, can be cut off from the models before export.

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

Extensive analysis and treatment plan report

All the measurements and treatment planning information, such as tooth movements, stripping and extractions, can be summarised in a report together with model series information.

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

Share an ortho project with a patient with the free **Planmeca Romexis® 3D Ortho Studio Viewer**, for example by using the **Planmeca Romexis® Cloud** image transfer service.

The module is compatible with the Windows operating system.

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