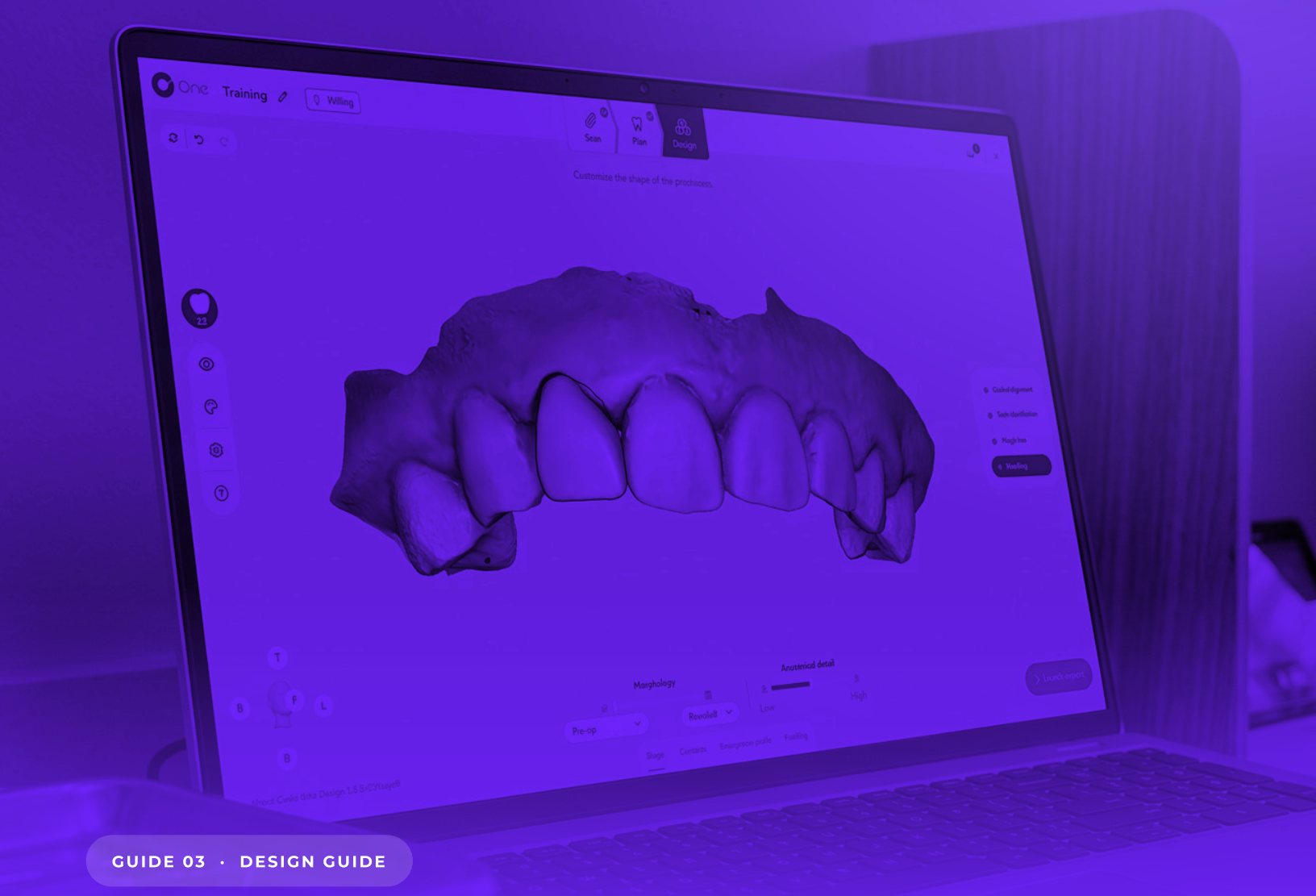
One

ESSENTIALS
Version 1.3



GUIDE 03 · DESIGN GUIDE

DESIGN & REFINE.

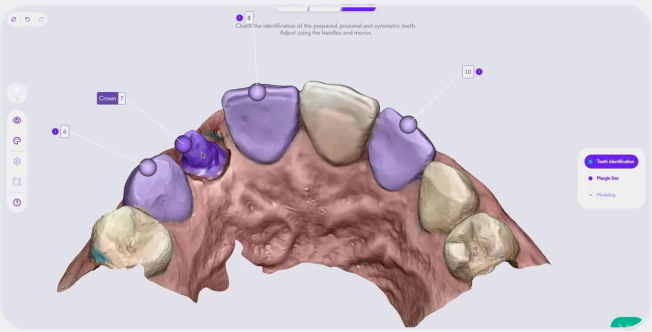
Master every step of the design workflow.

DESIGN GUIDE

CONTROL YOUR DESIGN PROPOSAL.

Before you refine, take a moment to review.

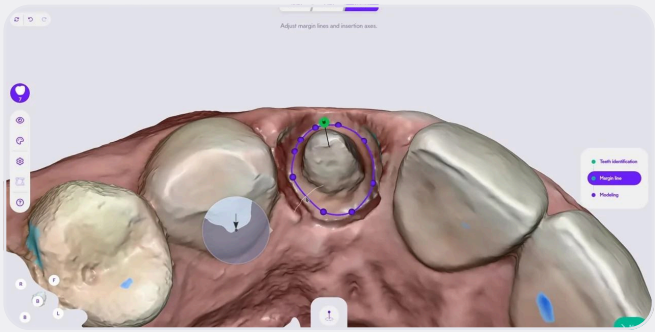
PROPOSAL | REFINE | COLLABORATIVE AI | GOOD TO KNOW



01

Verify teeth identification

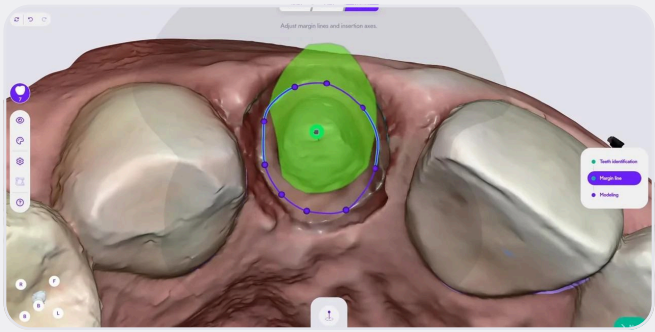
Circle One identifies the teeth automatically: the prepped tooth in purple, the proximal teeth and the opposing tooth in light purple. If something looks off, drag a handle on the 3D view, or use the label menu to change the number or remove a tooth.



02

Adjust the margin line

A margin line proposal is calculated automatically. Left-click to add a point, right-click to remove one, and drag points to fine-tune the outline. The profile thumbnail shows a 2D cross-section under your cursor. Right-click to enable magnetization.



03

Check the insertion axis

The insertion axis is shown as a colored arrow. Move it manually, or click **Optimize axis** for an automatic proposal. A green handle means no undercut; yellow flags undercut areas on the margin line. In multi-product mode, check each prosthesis.

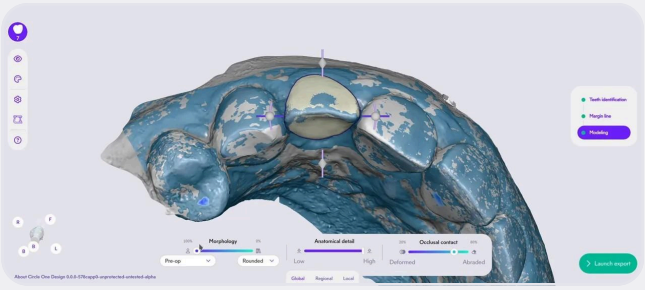
GOOD TO KNOW

If the opposing tooth isn't set at **Teeth Identification**, you won't be able to copy it in **Modeling**. Proximal teeth are essential to ensure insertion.

REFINE YOUR DESIGN.

Smart Tools, from the broadest to the finest: Global, Regional and Local. The Collaborative AI preserves minimum thickness and insertability.

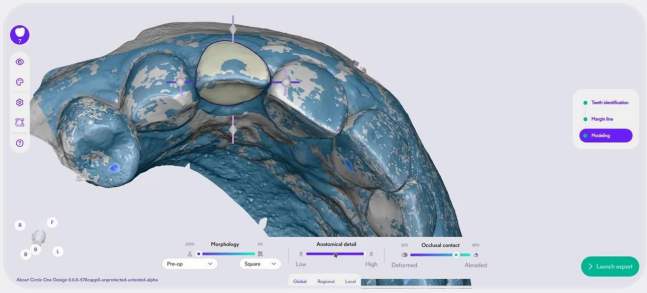
PROPOSAL | REFINE | COLLABORATIVE AI | GOOD TO KNOW



GLOBAL

Morphology

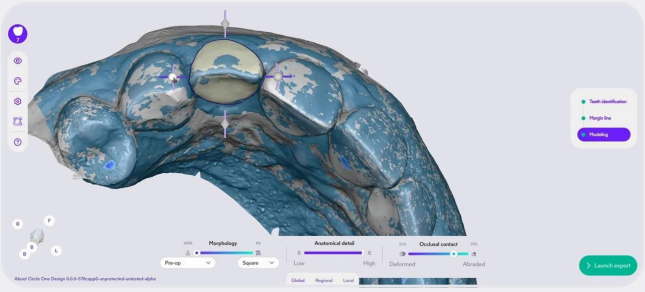
Blend patient data (pre-op scan, symmetric or proximal teeth) with standard libraries.



GLOBAL

Anatomical detail

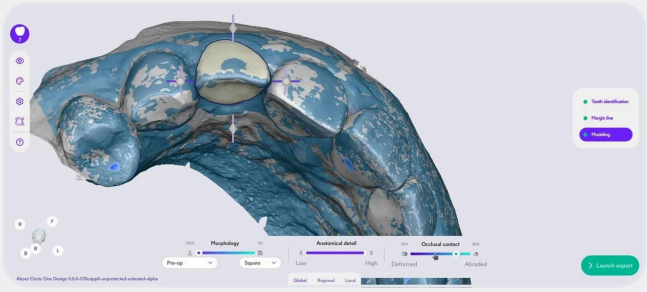
Accentuate or soften the grooves, from smoothest to most faithful.



GLOBAL

Manipulators

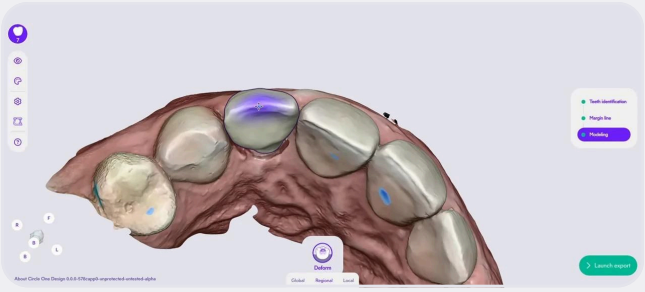
Translate, rotate and resize. Every move stays smooth.



GLOBAL

Occlusal contact

From Deformed to Abraded: mix both for the occlusion you want.



REGIONAL

Deform

Shape the emergence profile, or move an area such as a cusp.



LOCAL

Brushes

Smooth, Carve, Add and Pull to finish the surface point by point.

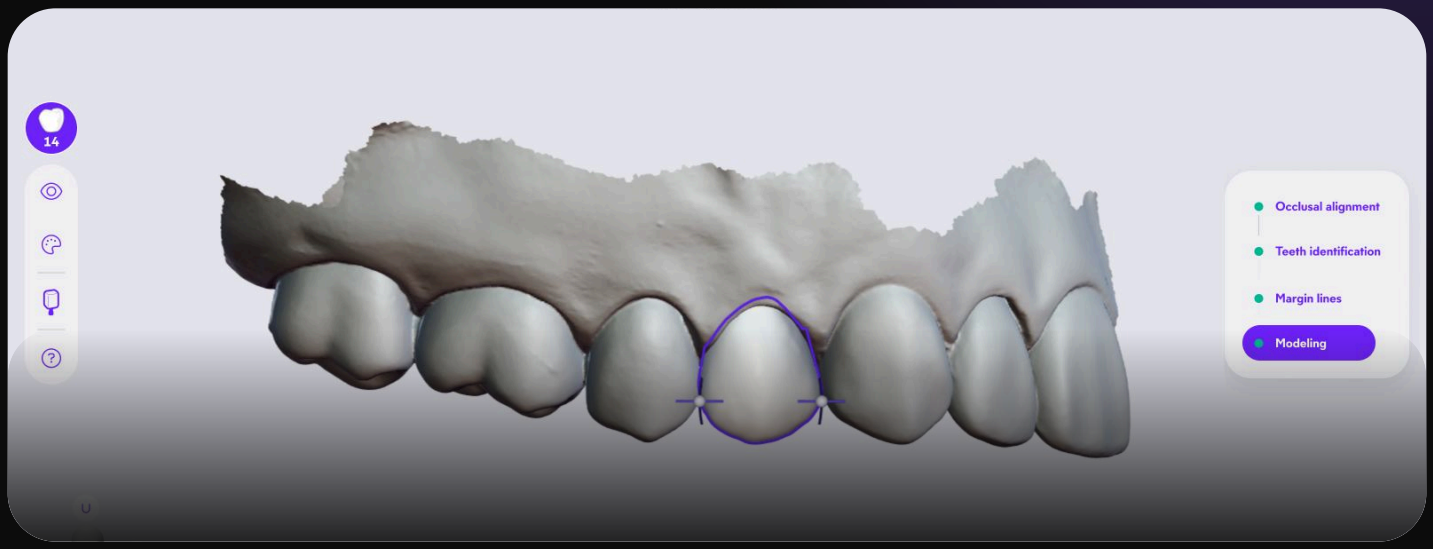
DESIGN GUIDE

COLLABORATIVE AI.

You design. Circle One thinks with you.

PROPOSAL | REFINE | COLLABORATIVE AI | GOOD TO KNOW

Circle One's collaborative AI works alongside you at every step of the design process. It doesn't replace your judgment, it supports it.



IT PROPOSES.

From your scan and Plan settings, Circle One generates a complete design proposal, ready to validate or refine.

IT MAINTAINS.

Minimum thickness and insertability are preserved automatically at every adjustment.

IT ADAPTS.

The better your inputs (scan quality, tooth ID, margin line), the better the proposal.

GOOD TO KNOW

The collaborative AI is active throughout the Design step, from the first proposal to the final validation.

GOOD TO KNOW.

A few points that make a real difference.

01

OCCLUSION

If occlusal contacts appear too heavy or uneven, check that the antagonist scan is clean and complete. A partial or noisy antagonist file is the most common cause of an inaccurate occlusal proposal. Re-importing a cleaner file at the **Scan** step will improve the result significantly.

02

MARGIN LINE

If the margin line proposal doesn't follow the preparation correctly, start by verifying tooth identification. A misidentified tooth will generate an offset margin. Once identification is confirmed, manually adjust the margin line. Take your time, it's the foundation of the fit.

03

INNER SURFACE SETTINGS

In **Margin Line**, click the gear icon to adjust the retention zone and its width, the cement gap, the minimum thicknesses and the compensation diameter. **Reset settings** restores the values defined in your profile.

04

TEETH IDENTIFICATION

If something looks off in the design proposal (shape, position or margin), teeth identification is always the first thing to check. A correct identification is the starting point of every accurate proposal.

05

OUTER SURFACE SETTINGS

In **Modeling**, the same gear icon adjusts the adaptation to the antagonist and proximal teeth, or ignores an element (useful with a scan artifact). A positive distance eases contacts; a negative distance tightens them.

06

MULTI-PRODUCT

Select each prosthesis directly in the 3D view or from the left menu, and review its margin line and insertion axis one by one. A well-drawn line and a well-oriented axis make the rest of the Design easier.

READY
TO DESIGN.

one.circle.dental

