
Digital Wax-up & Mock-up

A remote workflow between dentist and dental laboratory

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OVERVIEW

Two days, from scan to mock-up

The dentist scans on Tuesday morning; the mock-up is in the patient's mouth on Wednesday.

TUESDAY

12:00 Digital impression At the dentist	12:30 STL received Design starts	13:30 Print models After about 1.5 hours	17:00 Models and matrix Ready	18:00 Packing Prepared for shipping	18:30 Shipping Sent to the clinic
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WEDNESDAY

12:00 At the clinic Mock-up with silicone matrix	14:00 Result Mock-up shown to the patient
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Take a digital impression

The dentist captures the case with an intraoral scan and sends it to the laboratory.



Intraoral scan



Initial smile



Initial smile

Receive the STL file

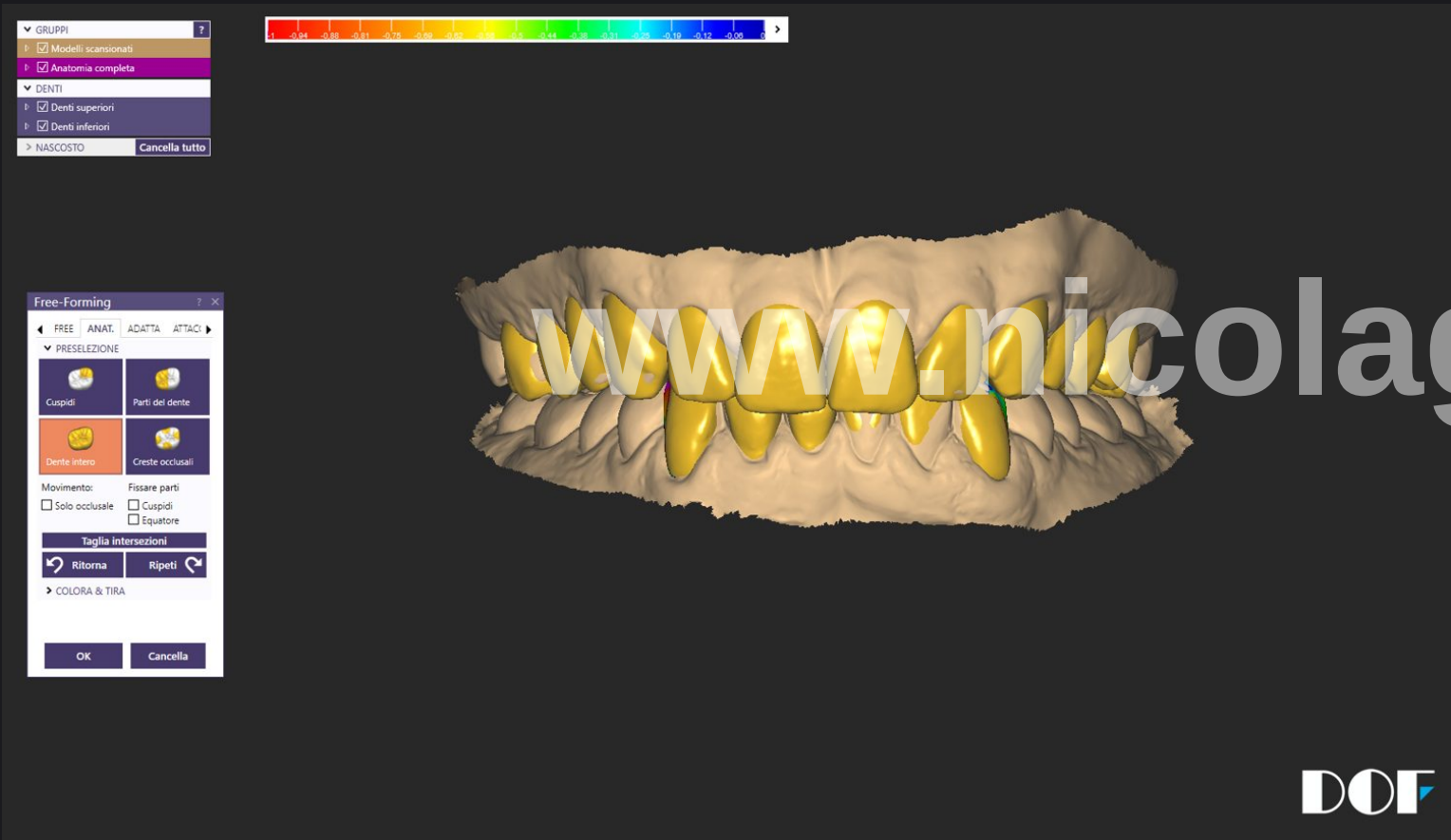
The scan arrives in the laboratory and is loaded into the design software.



STL file in the design software

Modelling: thickness & volume

The new tooth form is designed digitally, controlling thickness and volume.



Volume design



Wax-up on the scan

Check the cervical zone and the incisal zone

Checks made for the future mock-up.



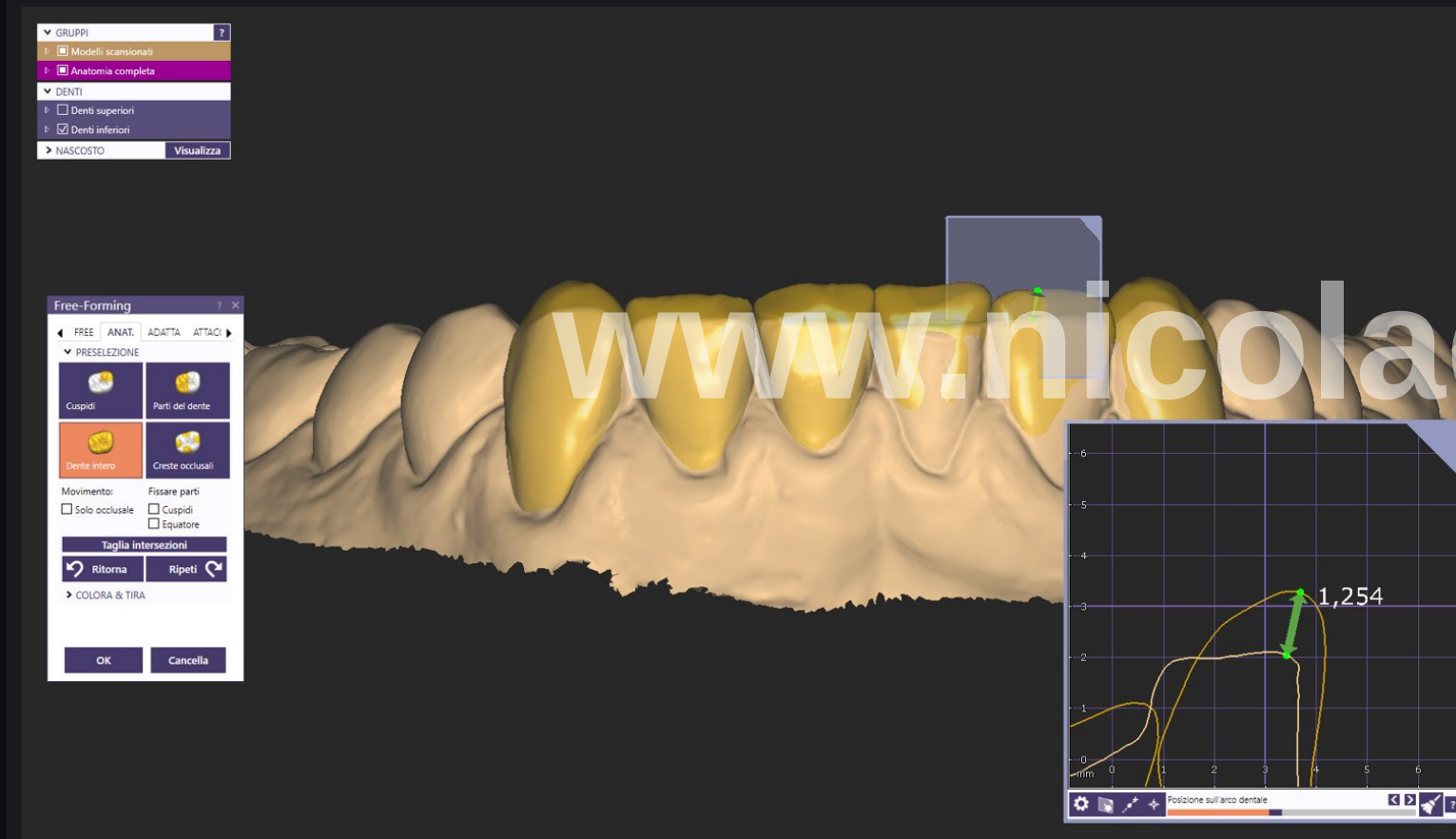
Cervical zone



Incisal zone

Overbite and overjet

Occlusal relationships verified on the digital model.



Overbite / overjet



Occlusal view

Laboratory and dentist, side by side

The design is shared online, so the dentist can see the wax-up and ask for changes before anything is produced.

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Share

Open the design on screen, remotely.

Review

Dentist and technician look at the same wax-up.

Adjust

Changes are made right away, then approved.

3D print the models

STL to 3D printed models, ready only after about one hour and a half.



3D printed models

Silicone matrix

The matrix transfers the approved wax-up to the mouth.



Silicone matrix



Matrix detail

TUESDAY · 17:00 TO 18:30

Ready, packed and shipped

Models and matrix are finished, packed and sent to the clinic.



17:00 · Models and matrix



18:00 · Packing

18:30 Shipping to the clinic

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At the clinic

The dentist receives the matrix and prepares the mock-up.



Mock-up material



Matrix with mock-up material



Matrix seated in the mouth

WEDNESDAY

Mock-up in the mouth

Sequence of the mock-up with the matrix.



The mock-up result

The new form is tested directly on the patient.



Mock-up detail



Mock-up in the mouth

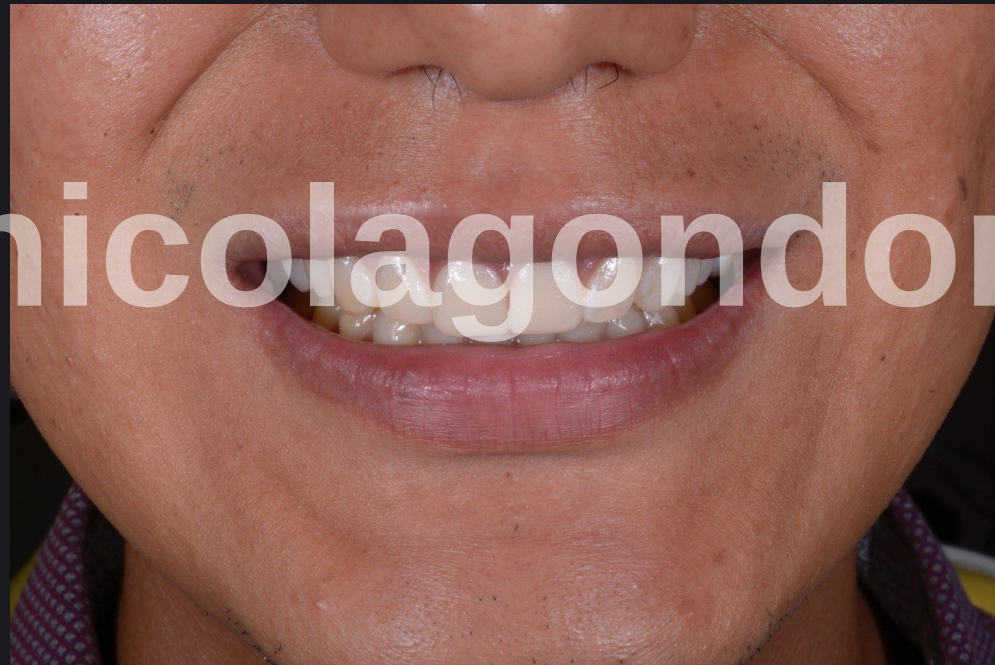
BEFORE AND AFTER

The smile

Initial situation and mock-up.



Before



Mock-up



Mock-up

Occlusal views



What happens after the mock-up

If the patient accepts

We have all the instructions. We can proceed with the treatment plan: table top, veneers, crown or implant, with an analogic or digital workflow.

If the dentist changes the mock-up

A new digital impression is needed. We can then re-make a new mock-up.

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Let's plan your next case together.

Send a digital impression and we will start the wax-up.

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