Digital Dentistry

Wifi ESTHETIC DENTISTRY
Password : smile4us

Armen Mirzayan DDS

CAD-RAY.COM

Digital Model → Computer Aided Design → Computer Aided Manufacturing

Nesting   Tool Path Machining

Digital Model

Computer
Aided
Design
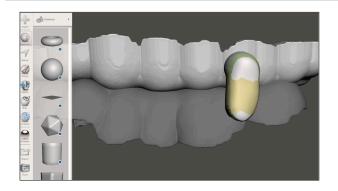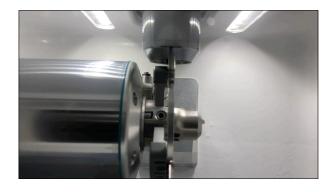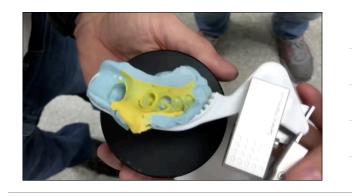

Nesting

Manufacturing

Digital Models

Scan Impressions

Scan Models

Scan Intra-Oral

Scan Impressions
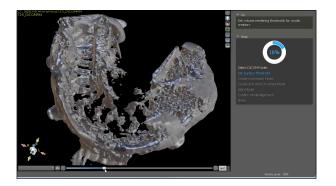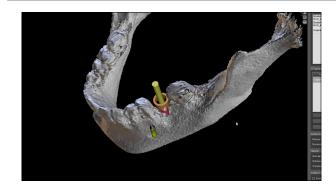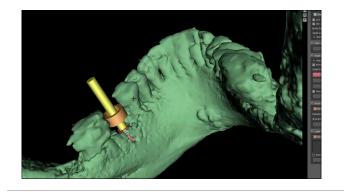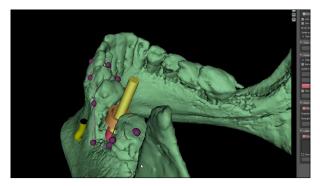
Scan Model

Scan Intra-Oral

CT Scan Impressions

CT Scan Stone Models

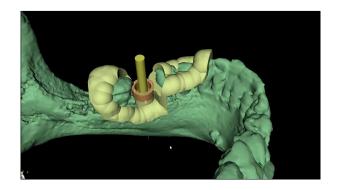CT Scan Patient

CT Scan Impressions

CT Scan Stone Models

CT Scan Patient

Tessellation is the process of tiling a surface with one or more geometric shapes such that there are no overlaps or gaps.
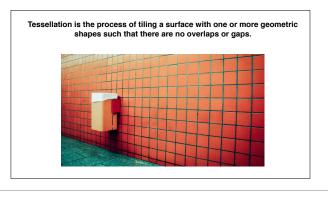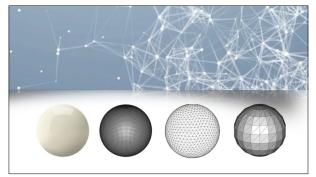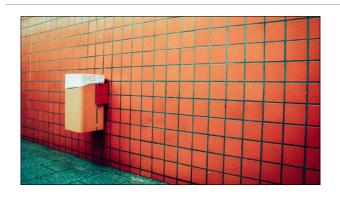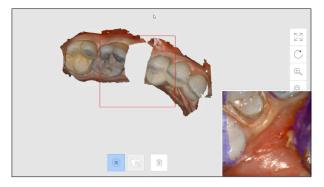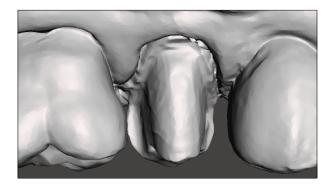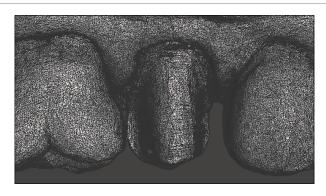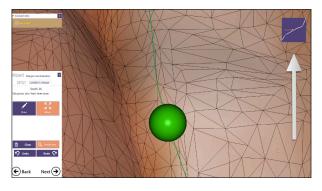

STL vs. PLY vs. OBJ
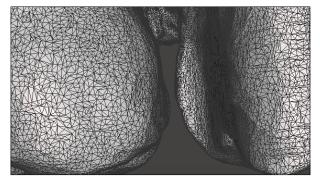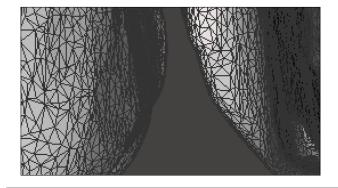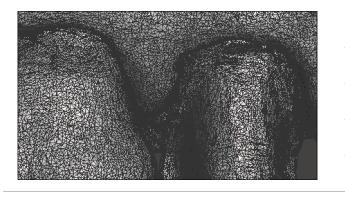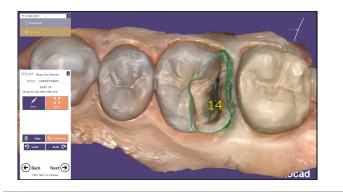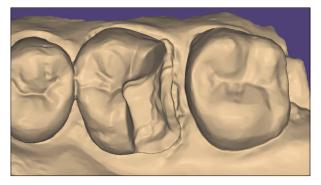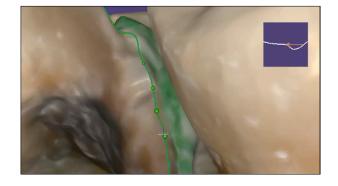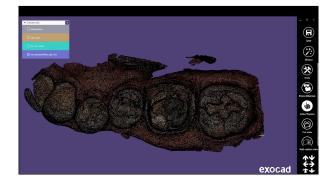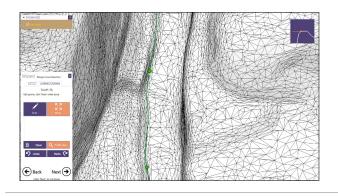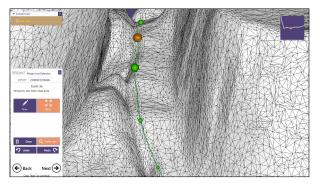
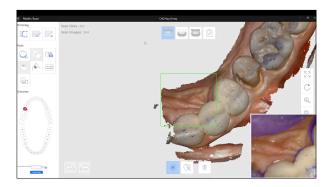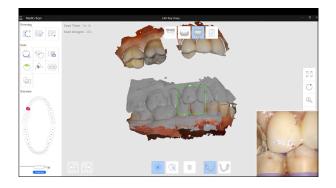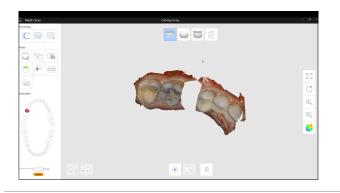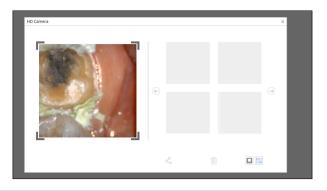## Normal Mode
vs.
High Resolution Mode
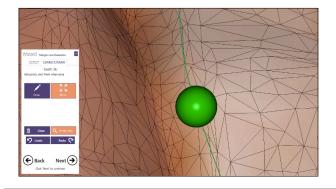
Building Models

Additive and Editable

Independent of Sequence and Time

Scan Time : 10s
Scan Images : 117

Scan Time : 1m 19s
Scan Images : 482

Errors in Models

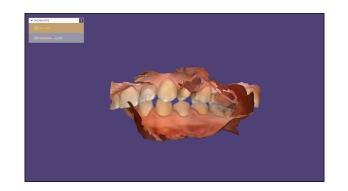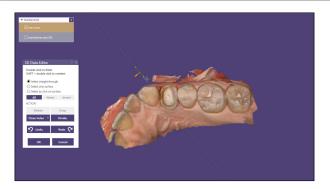First, the occlusal surface with the clearest shape is used for scanning, to build the main data.
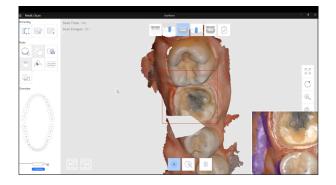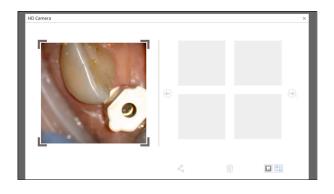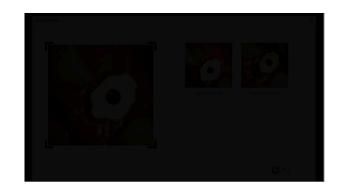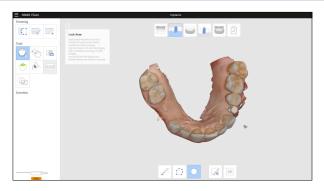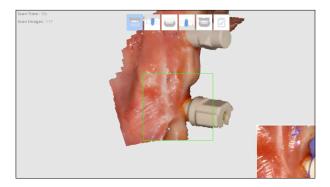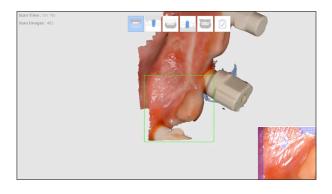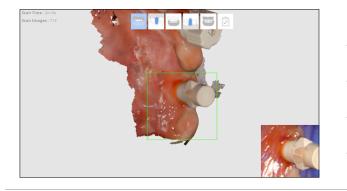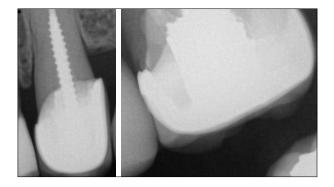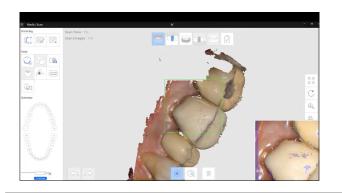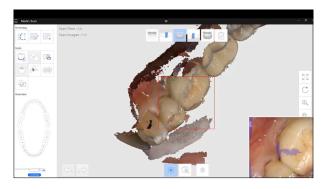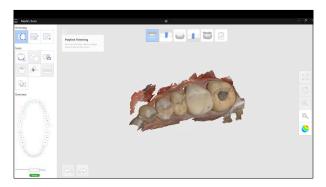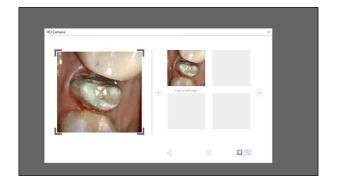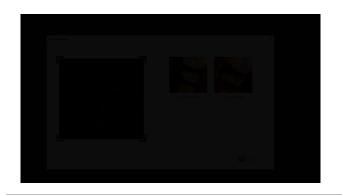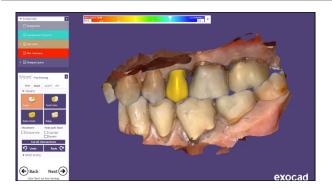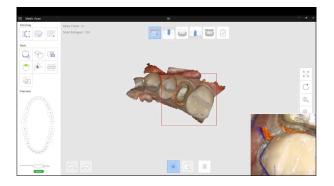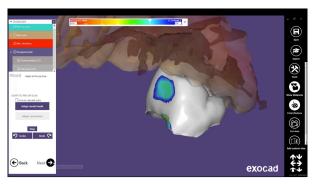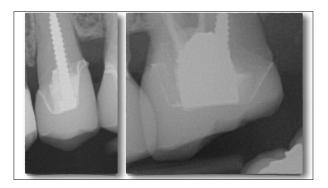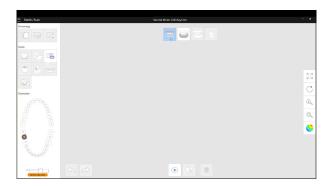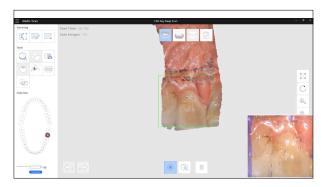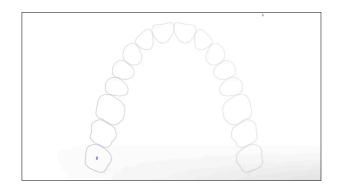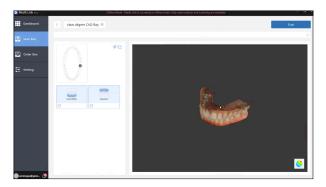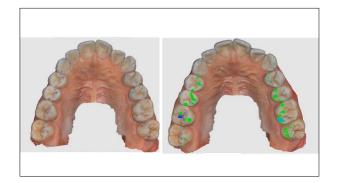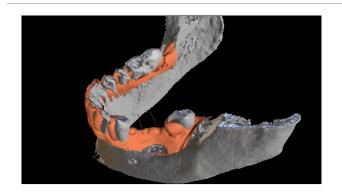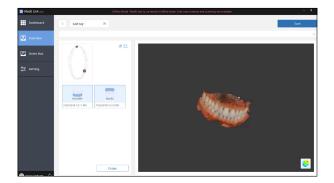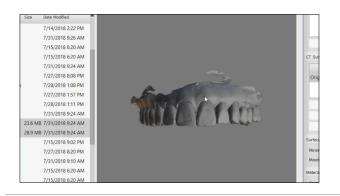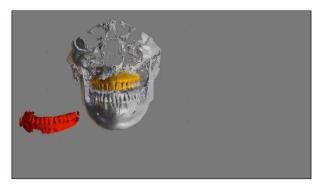
Buccal Bite

Imaging Tips

Relating Models to Each Other
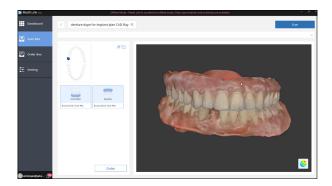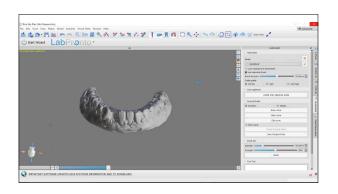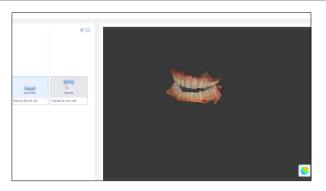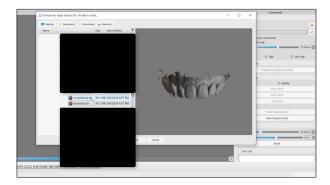
Merge CT and STL by Aligning Common points
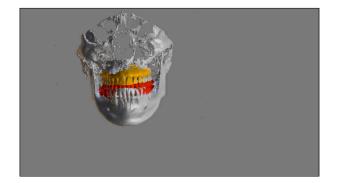
Full Mouth Rehab
Simplified