

Ivotion

Truly efficient. Truly digital.



STEP BY STEP
WITH ERIC D. KUKUCKA

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// Welcome to Innovation!

The Digital Denture process has revolutionized the world of removable prosthodontics. The versatility and precision has resulted in an unparalleled result for both the clinician and technician. With the innovation of Ivotion, to have a one-disc solution for Digital Denture process is true innovation. The unique Shell geometry creates a seamless result of Gingiva and teeth. Something that was merely a dream is now a reality. //

Eric Kukucka

Eric D. Kukucka, DD
Denturist, Canada



Ivotion Denture System

Workflow

Initial situation



1 Preliminary records



Preliminary bite registration



Measurement of the angle of the occlusal plane in relation to the CP and BP



Centric Tray Registration

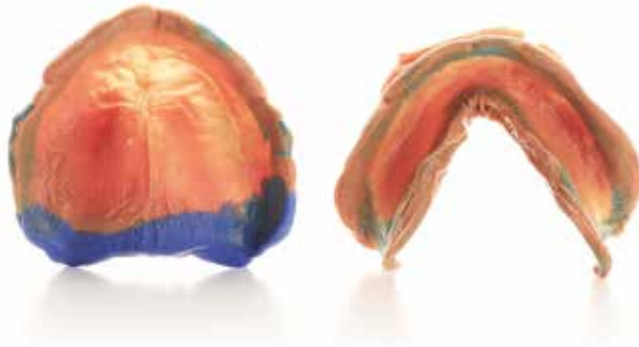


Preliminary Impressions

2 Digitize preliminary records and 3D Bite Plate Design in 3Shape Dental System



3 Functional impressions and bite registration with 3D Bite Plate and Gnathometer CAD

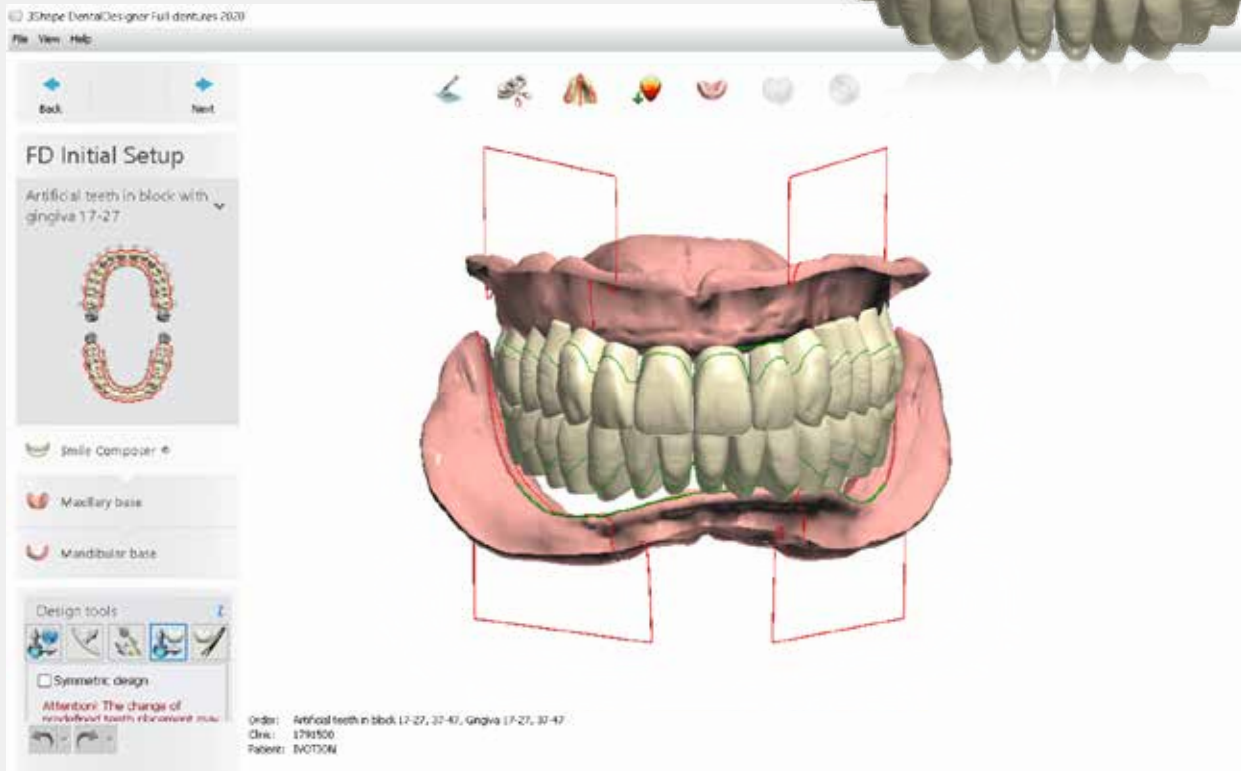
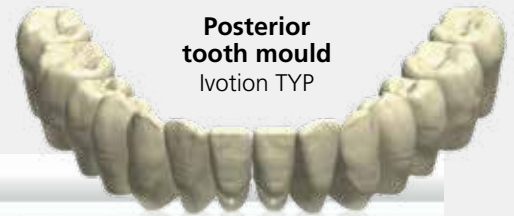


4 Final records ready to digitize in 3Shape lab scanner on the Ivoclar Digital impression fixture

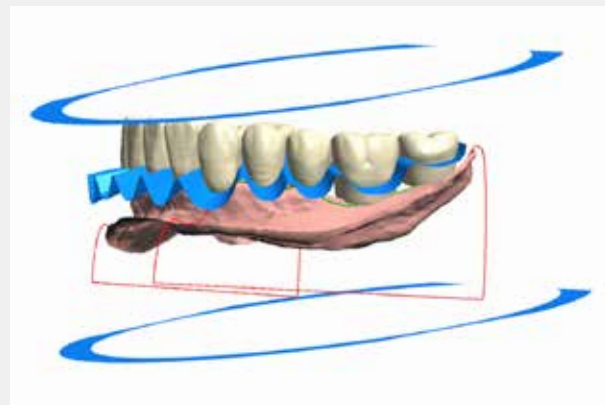
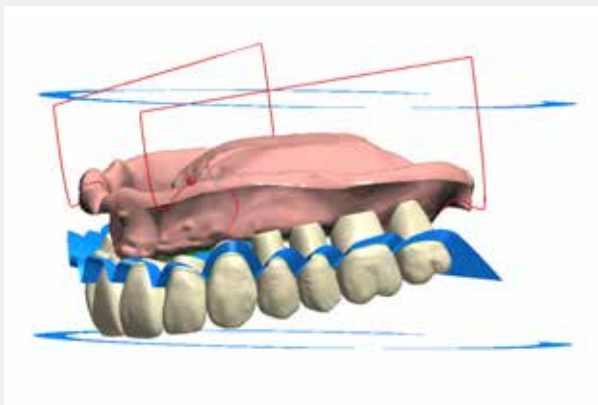


Design in 3Shape Dental System

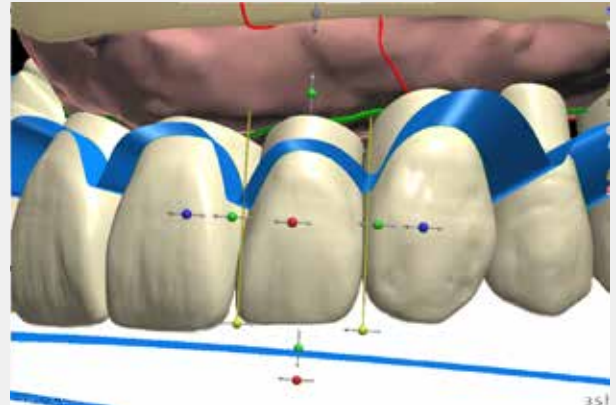
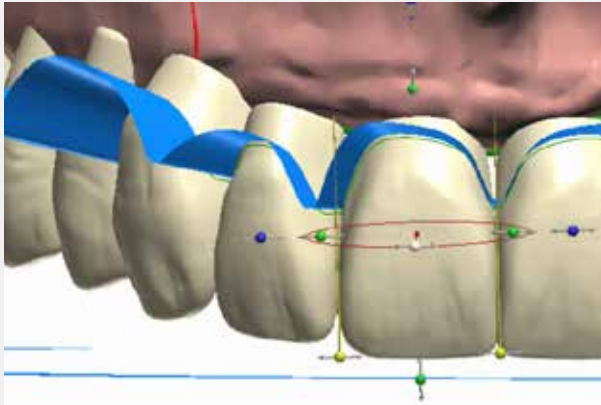
- 1 Creation of the digital denture, utilizing the Ivotion tooth library and selecting B72 TYP



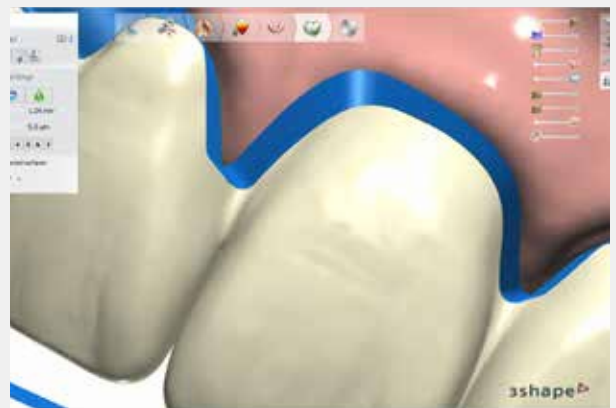
- 2 Individualization based on Shell Geometry



Individualization of Anteriors



Sculpting of anterior connectors and tooth neck



Functional monoblock try-in with ProArt CAD Try-In



CAM process

CAM V4.2

Seamless integration of the CAM5 Ivotion file into the CAM software.

This nests the Ivotion denture directly into the Ivotion disc aligned with the Shell Geometry.



Milling in PrograMill PM7

The final denture is fabricated in one uninterrupted milling process in the PrograMill milling unit.



Ivotion discs
after milling process



Post-processing of the milled denture

- 1** Removing the Ivotion denture from the disc with a cross-cutting burr



- 2** Removing the holding bars with a cross-cutting burr



- 3** Creating separations with a thin diamond cutting disc



4 Optional individualization

The individualization of a denture made out of Ivotion can be simplified through this step-by-step process. Although not mandatory, the importance of surface texturing and individualization provides the patient true to nature esthetics.

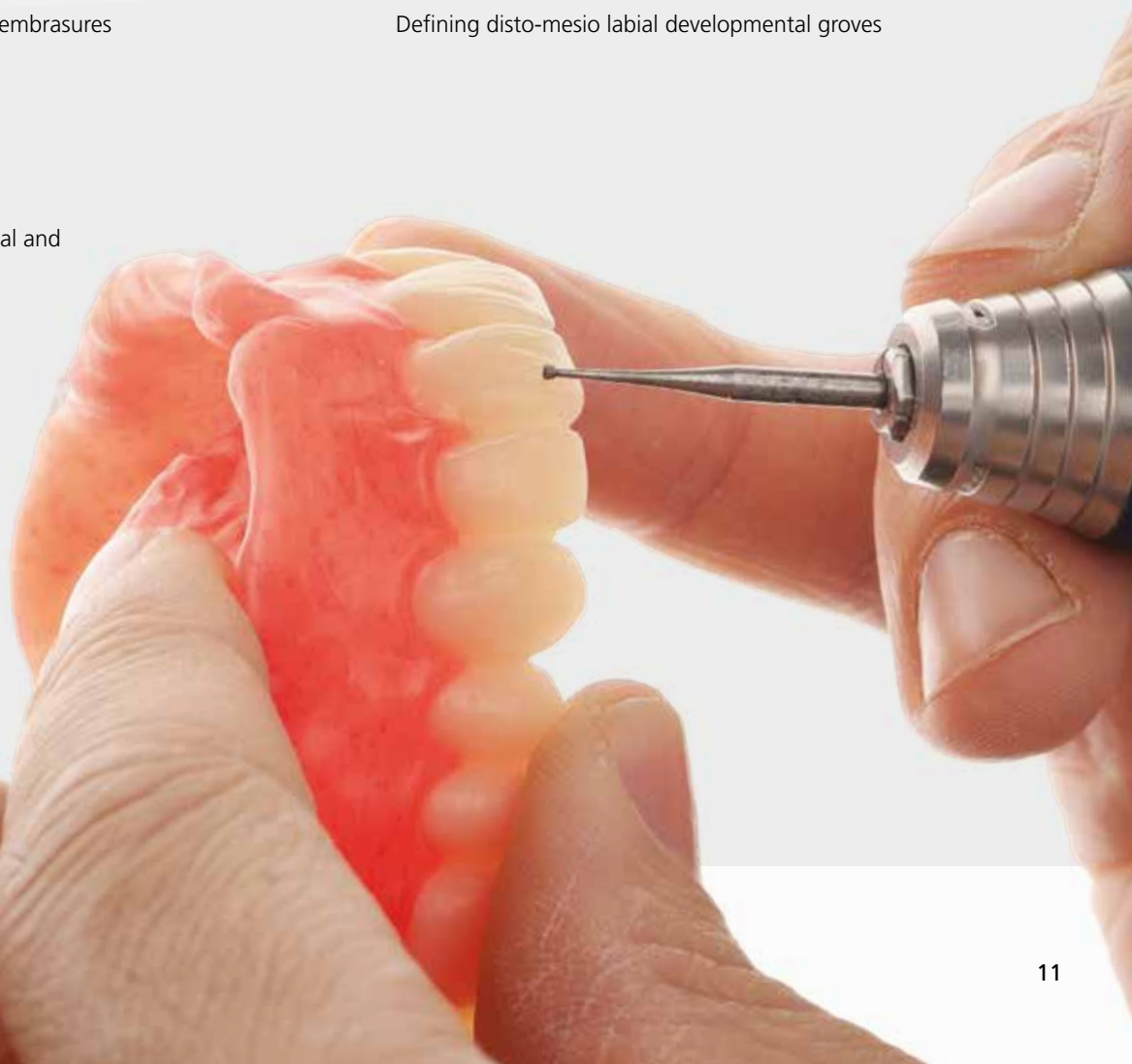


Defining interproximal embrasures



Defining disto-mesio labial developmental grooves

Creating fine vertical and horizontal grooves



Final polishing

1 Finalizing the denture base with Scotch-Brite



2 Finalizing the denture base with a rubber point



3 Polishing of surface textures and interproximals with dental Tripoli

Polish the denture base with Resilience Pumice and these 3 brushes for optimal smooth and polished surfaces



Final polishing with cotton buff and Universal Polishing Paste



Polished denture






Final result



Monolithic denture
Ivotion



Precise fitting
and esthetic result

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The logo for Ivoclar Digital features the word "ivoclar" in a blue, lowercase sans-serif font. Above the letters "o", "c", "l", and "a" are several small, light blue dots of varying sizes, arranged in a slightly curved line. Below "ivoclar" is the word "digital" in a larger, bold, blue, lowercase sans-serif font. A registered trademark symbol (®) is located at the bottom right of the word "digital".

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