

Replace Existing
Denture with **new**
TRUE FIT
3D Printed Denture

Step 1: IMPRESSION
Take a wash/reline impression inside existing denture.

If IOS scanner present, scan denture with wash inside and send scan to lab. Take another scan of bite and send to lab. Take facial photos or facial scan of high and low lip line and send to lab.

If no IOS, send wash/reline denture, opposing model, and bite to lab.

Step 2:
Try in 3D Printed True Fit Try-In or deliver final new 3D Printed Denture.



Edentulous Patient


Step 1: IMPRESSION
No change to the clinician's preferred workflow. For example, the clinician can take traditional edentulous impressions.

Step 2: MODEL
The laboratory pours models and creates bite rims based on the impression made by the clinician.

Step 3: SCAN
The laboratory scans the bite rims and model/impression.

Step 4: DIGITAL DESIGN
Creation of the digital setup and design, saving valuable time and resources.

Step 5: PROTOTYPE TRY-IN
The 3D Printed Try-In provides a monolithic base and teeth, giving the patient an idea of how the denture will function in the mouth. Once adjustments are made the Try-In is returned to lab and scanned, enabling modifications to final denture. If no adjustments are needed the patient can wear the functional try-in until their final denture is completed.

 **Step 6: PDF APPROVAL**
The laboratory and clinician have the opportunity to pre-approve the design prior to finishing.


Step 7: FINISHED DIGITAL DENTURE

Immediate Denture

Step 1: IMPRESSION
No change to the clinician's preferred workflow. For example, the clinician can take traditional edentulous impressions.

Step 2: SCANS
The laboratory scans the bite and models.


Step 3: DIGITAL DESIGN
Creation of the digital extractions, setup, and design, saving valuable time and resources.

 **Step 4: PDF APPROVAL**
The laboratory and clinician have the opportunity to pre-approve the design prior to finishing.

Step 5: FINISHED DIGITAL DENTURE

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3D Printed Denture




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**Intraoral Scan/
Immediate Denture**

Step 1: IMPRESSION
No change to the clinician's preferred workflow. For example, the clinician can take traditional edentulous impressions.

Step 2: SCANS
The laboratory scans the bite and models.

Step 3: DIGITAL DESIGN
Creation of the digital extractions, setup, and design, saving valuable time and resources.

 **Step 4: PDF APPROVAL**
The laboratory and clinician have the opportunity to pre-approve the design prior to finishing.

Step 5: FINISHED DIGITAL DENTURE

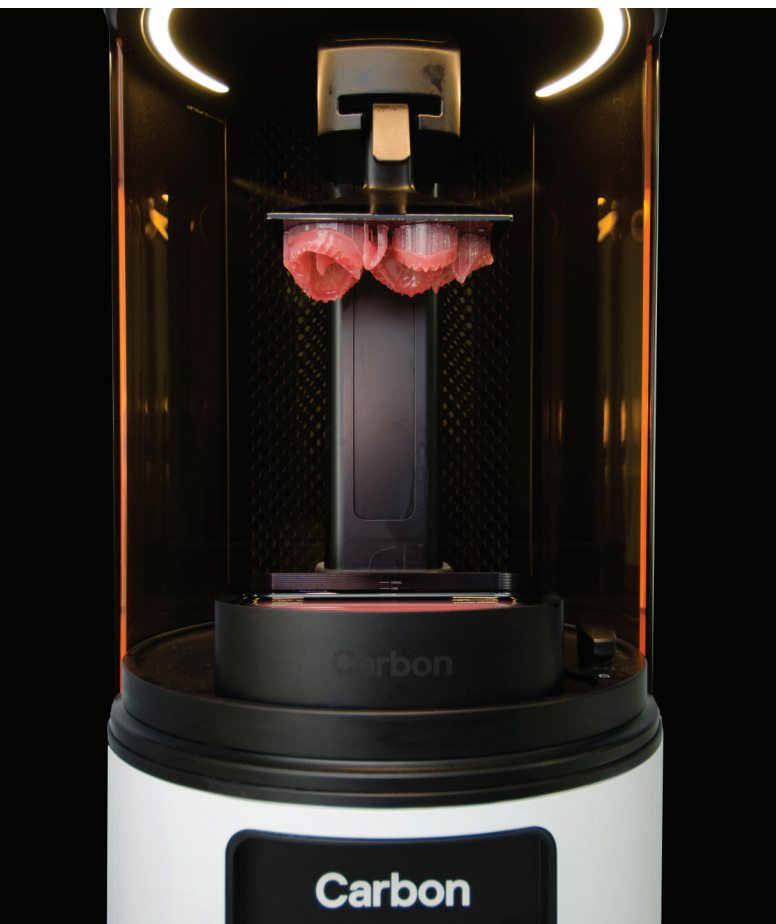
3D Printing TrueFit Dentures

by Sydney Taylor



Dentures have always been a tedious prosthetic to manufacture. From sticky impressions, to laborious fabricating, to sometimes endless perfecting, there's never a simple moment in creating this product. In addition, once this product is complete, there's always the possibility of damage, misplacement, and even total destruction, regrettably resulting in a complete do-over from step one. 3D printing, however, removes the hassle of traditional denture manufacturing and brings technology to the forefront of this task to print, yes print, a prosthetic that Oral Arts is proud to present: TrueFit, an all-new revolutionary denture.

There are no messy models, no wasted materials, and every patient's design is stored for quick and simple reprints for any case of damage, loss or total destruction.



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3D Printing is the key to the future of fabrication. Over the years, 3D printing technology has evolved into a refined and complex innovation capable of delivering products that are durable, strong, and, crazily enough, printed from computer files. Enterprises throughout the globe have fabricated their work from this invaluable technology. From printing bicycles, to generating helicopter blades, to even replicating rocket engines for NASA, 3D printing is quickly becoming the top manufacturing method for products everywhere in every field of study. In the dental field, Oral Arts Dental Laboratories have researched the success of 3D printing, and have implemented this futuristic technology into their own dental prosthetic fabrication. As a leader of the dental industry, Oral Arts researches constantly for progressive development to apply in their laboratory while performing in-house beta tests to remain abreast of all industry growth. Needless to say, 3D printing proved to be the next step of advancement for the lab. After partnering with the cutting-edge technology of Carbon, Inc. 3D Printers, Oral Arts has reinvented the fabrication process for a popular dental treatment: the denture.

This digital phenomenon is not just revolutionary in its sheer fabrication. TrueFit, the new, radical 3D printed denture, illustrates a genuine way to bring patients a smile with results that far outweigh the traditional archaic denture design. TrueFit stems from being completely CAD/CAM scanned and modified, digitally achieving the perfect fit for a patient before the product design zips to the printer.

And, as a finishing touch, there's no change required in the dental professional's methods of attaining an impression to have these ground-breaking dentures fabricated. All chairside impression work remains up to the doctor's preference, and once an impression is ready, Oral Arts does the rest.

Additionally, by pairing elite CAD/CAM designs with the state-of-the-art engineering of the Carbon Inc. 3D Printer, TrueFit dentures are designed not just for accuracy, but for beauty and durability that lasts. Like Oral Arts, Carbon Inc. is also an industry leader whose 3D Printers are engineered with the highest resolution on the market, illustrating remarkable microscopic details in the final product. A TrueFit denture constructed from a Carbon Printer is anatomically stunning, chiseled flawlessly to exhibit a natural smile full of dynamic detail and esthetics. In addition to exquisite attraction, these dentures are also 3D Printed in the same machine as auto parts, skateboards, and even soles of Adidas running shoes, making TrueFit conditioned to withstand tough elements, embrace harsh impacts, and provide a durable, lasting smile.

The future has climactically arrived at Oral Arts Dental Laboratories. With impeccable design bound to cutting-edge technology, TrueFit Dentures have re-defined denture prosthetic fabrication with precision, speed, and final results that genuinely fit true. This restoration advancement has opened a plethora of possibilities not just for Oral Arts, but for the dental field as a whole. Printable dentures could be just the start of an entire dental field revolution.

Who knows what the next monumental dental innovation will be? Rest assured, Oral Arts Dental Laboratories will be on the front lines of the dental innovation movement, paving the way to bigger and better prosthetics and dental treatment for years to come.

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TRUE FIT
3D Printed Denture

A Revolutionary Denture



3D Printed Monolithic Material
No changes in clinical procedure
Affordable and accurate

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