



Friendship Dental Laboratories, Inc.
6826 Eastern Avenue
Baltimore, MD 21224
avadent@friendshipdentallab.com



Exceptional Fit
Natural Smile
Virtually Unbreakable
Ultra-thin Base



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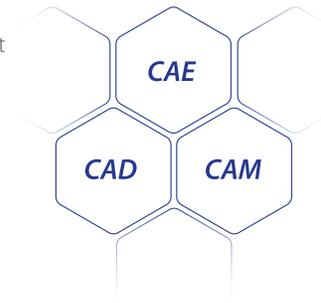
Call 1-888-99-FDLAB(33522) or visit www.friendshipdental.com/slider/avadent-digital-dentures

The AvaDent Advantage

THE WORLD'S FIRST AND ONLY TRUE DIGITAL DENTURE

Digital Workflow from Start to Finish

Often imitated, never duplicated, AvaDent® is the only true Digital Denture on the market today. The secret to AvaDent's success is the use of CAE (Computer Aided Engineering). CAE is a sophisticated set of algorithms that powers CAD and CAM. CAE is the "Brains" and CAD/CAM is the "Brawn".



EASY TO GET STARTED

Use Your Preferred Method

The technology behind AvaDent has evolved to incorporate the same methods of acquiring records for dentures that have been used for the last several decades. From reference dentures and wax rims to Good Fit™ records and the AMD (Anatomical Measurement Device), AvaDent makes it easy for clinicians to offer a premium, digital denture. For AvaDent Immediate Dentures, you only need to provide stone casts and an accurate interocclusal record.

What's your record method?

AVADENT™ REFERENCE DENTURE



WAX RIM TECHNIQUE



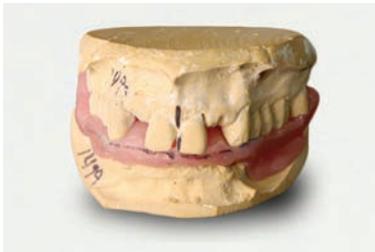
AVADENT™ AMD



GOOD FIT™ RECORD



ARTICULATED STONE MODELS



Six qualities of a successful AvaDent denture record:

- OVD - Occlusal Vertical Dimension
- Centric Relation
- Lip Support
- Midline
- Incisal Edge / Horizontal Plane of Occlusion
- Tooth Size



PROPRIETARY DESIGN SOFTWARE

AvaDent Design Software

The AvaDent Design Software is a dream come true for dental professionals. The revolutionary and easy-to-use tools offered in AvaDent Design make it possible to accurately position teeth according to traditional setup methods and precisely calculate and create the desired occlusal scheme, all with the click of a button. Start with global set up characteristics and finalize the AvaDent setup with esthetic individual tooth movement. All tooth movements are coordinated and calculated, in relation to one another, to ensure the clinically correct result.



3D DIGITAL PREVIEW

The AvaDent Viewer Software

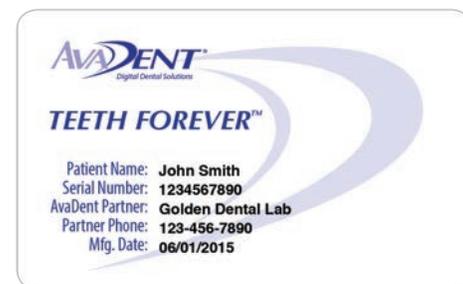
Now AvaDent providers can preview their virtual setup in 3D. The 3D Viewer allows for collaboration between Friendship Dental Lab and dentist like never before. Rotate, zoom, add, or remove the denture base or teeth, add or remove the patient record, add or remove gridlines to aid in easy model analysis and more with just a click of a button. This allows the dental professional to review the digital setup and request necessary changes, if needed, prior to fabrication, in order to ensure a successful treatment outcome for the patient.



TEETH FOREVER™

The Exclusive AvaDent Digital Record.

AvaDent offers the convenience and protection of a permanent digital record for every patient. Should they ever lose or damage their AvaDent, a new AvaDent can be created quickly using the digital records on file. This is also very valuable for the retread of a Hybrid Prosthesis. The digital record allows AvaDent to reproduce an identical setup of the patient's esthetics and occlusion that were previously achieved. What traditionally took between 3-5 appointments can all be done in just 2 appointments with AvaDent.



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MILLED TEETH

Fully-Milled is the Future

The entire AvaDent, base and teeth, are full-contour milled from a patented, pre-shrunk, bacteria-resistant, polychromatic, PMMA, eXtreme Cross Linked (XCL) puck for greater strength and esthetics.



AVADENT FULLY MILLED XCL-1
MONOCHROMATIC TEETH



AVADENT FULLY MILLED XCL-2
POLYCHROMATIC TEETH

FULLY MILLED FOR SUPERIOR STRENGTH

Reduced breakage for Hybrid Prostheses

The strength of the AvaDent is significantly increased by this advancement in product manufacturing. The digital design of the bar and denture are merged into one prior to milling and processing. This is very important for hybrid prostheses where it is common to have teeth delaminate or break off. These problems are virtually eliminated with the AvaDent Hybrid Prosthesis.



MATERIAL PERFORMANCE STUDIES

Bio-Hygienic Denture Base

Our patented process reduces the build-up of bacteria forming on your AvaDent, helping to eliminate sore spots and "denture breath." AvaDent shows no micro-porosity resulting in negligible C. Albicans adherence.¹

AvaDent Milled Teeth are Superior to Other Manufacturer's Teeth

Recent studies conducted at the University of Minnesota have validated the premise that when you manufacture the materials used for the AvaDent Denture under extreme pressure, the results are better than the competing premium teeth from other manufacturers. AvaDent teeth were as good or better than Denstply IPN and Ivoclar DCL in head-to-head testing.²

¹Carlos Muzoz, DDS, Dental Biomaterials Research Laboratory, Department of Restorative Dentistry, The State University of New York at Buffalo, 2011

²Alex Fok, DDS, Ralph Delong, DDS, University of Minnesota Dental Research Center for Biomaterials and Biomechanics, 2014

AVADENT



SIGNATURE TEETH™

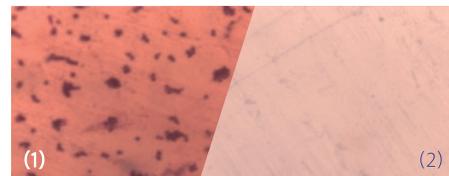
Coming Soon

Developed by Dr. Charles Goodacre. Signature Teeth can be individually morphed in size and form to accommodate variations in occlusion and

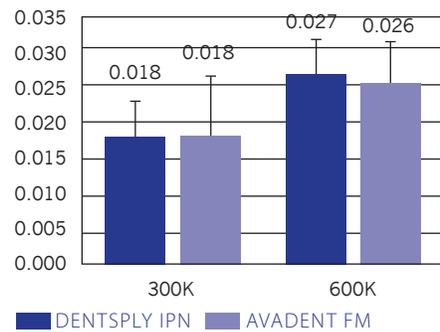


eliminate spaces that are sometimes present between teeth, when the occlusal relationships are established using traditional manufacturer's teeth.

¹CONVENTIONALLY PROCESSED PUCK (1)
VS. AVADENT PROCESSED PUCK (2)



²TOTAL VOLUME LOSS (CUBIC MM)



REDUCED APPOINTMENTS

VISIT **2** SMILES

The Original 2-Appointment Denture

What used to take 5 or more appointments can now be achieved in just 2 appointments with an AvaDent Digital Denture. By acquiring all of the necessary patient records at the first appointment, AvaDent's enhanced digital workflow allows for the clinician to preview the denture setup virtually and note any changes that need to be made without requiring an additional appointment for the patient. Once the clinician has approved the virtual setup, Friendship Dental Lab can proceed with having the AvaDent Digital Denture manufactured.

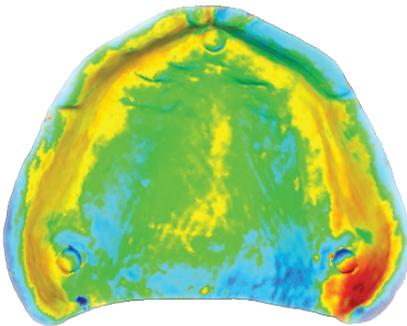
THE PERFECT FIT™ DENTURE

Computer Designed and Precision Milled

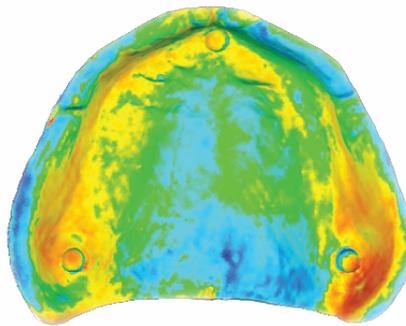
The "secret sauce" behind AvaDent® is the breakthrough software that controls the entire design and manufacturing process. This proprietary manufacturing process starts with the making of the PMMA puck in a manner that no one else uses. The result is an improved material that can now be milled on a 5-axis milling machine to produce the identical, intimate fit for the patient.

A comprehensive fit study conducted at the Loma Linda University compared the four available methods of denture base manufacturing (IvoBase, Pour, Pack & Press, and AvaDent CAD/CAM) and confirmed that all conventional denture processing techniques result in greater distortion (poor fit) than the AvaDent (CAD/CAM) process of milling the intaglio surface out of a pre-shrunk, PMMA puck.³ The increased accuracy from the fit of the AvaDent Denture prevents the need for a post-palatal seal to compensate for poor fitting dentures.

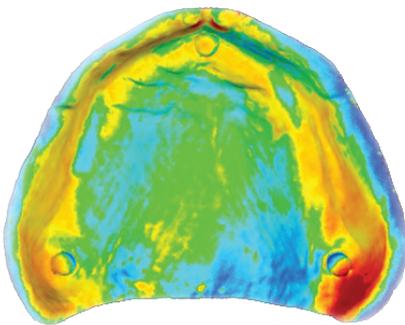
IVOBASE



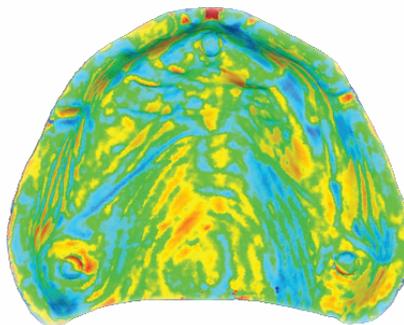
POUR



PACK & PRESS



AVADENT CAD/CAM

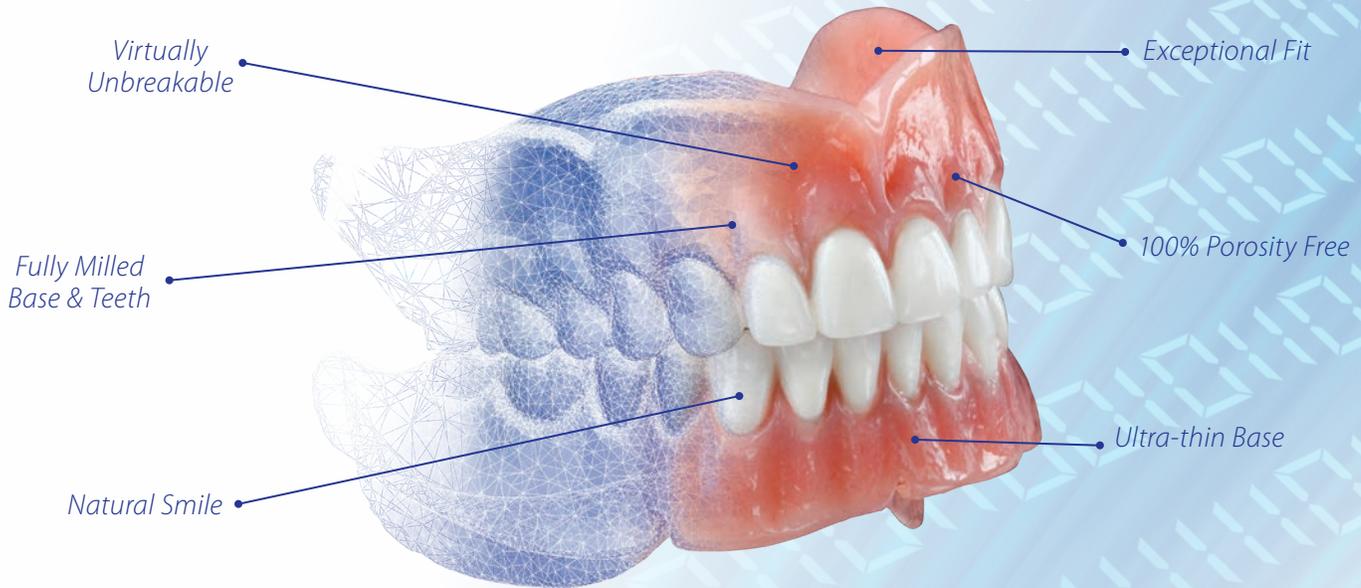


³Brian Goodacre, DDS, Comparing the Surface Matching Accuracy of Conventional and CAD/CAM Methods of Fabricating Complete Dentures Bases: A Pilot Study, Loma Linda University, 2015



NEW

Introducing the World's first **Monolithic Digital Denture**



www.friendshiplabs.com/slider/avadent-digital-dentures

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