

AVA DENT[®]

Digital Dental Solutions



AVAMAX
HYBRID DENTURES



AVAMAX
PARTIAL DENTURES



AVADENT DENTURES



AVADENT REMOVABLE
OVERDENTURES



AVAFLEX FLEXIBLE
PARTIAL DENTURES

The Leading Provider of Fixed & Removable Digital Dentistry
The Original Digital Denture and Still the Best with over 80 Patents

AvaDent Produces the World's Best Fitting Prosthetics

TRUE FIT

It begins with Digital Design

Whether you're looking for a denture, partial denture, overdenture, or fixed hybrid, the journey to a superior dental prosthetic begins with precision design, and AvaDent's digital designs set the standard for accuracy.

Next, We Eliminate Distortion

We start by using patented technology to pre-shrink our custom milling discs, ensuring that each disc is perfectly primed for milling. This critical step allows us to mill our prosthetics to 100% scale, eliminating the post-curing distortion commonly seen in conventional and printed dentures.

Precise Quality Control

Each prosthetic undergoes rigorous quality control, verified by laser scanning to digitally compare the final product against the original impression and design. This meticulous process guarantees that every AvaDent prosthetic fits exceptionally well.

Why You Should Care

The result? Our precisely engineered prosthetics require fewer adjustments and less chair time, significantly boosting the profitability of your practice by ensuring efficient, predictable outcomes.

99.9%

Denture Success Rate

#1

Company to Commercialize
Digital Dentures

13 Year

History of Excellence

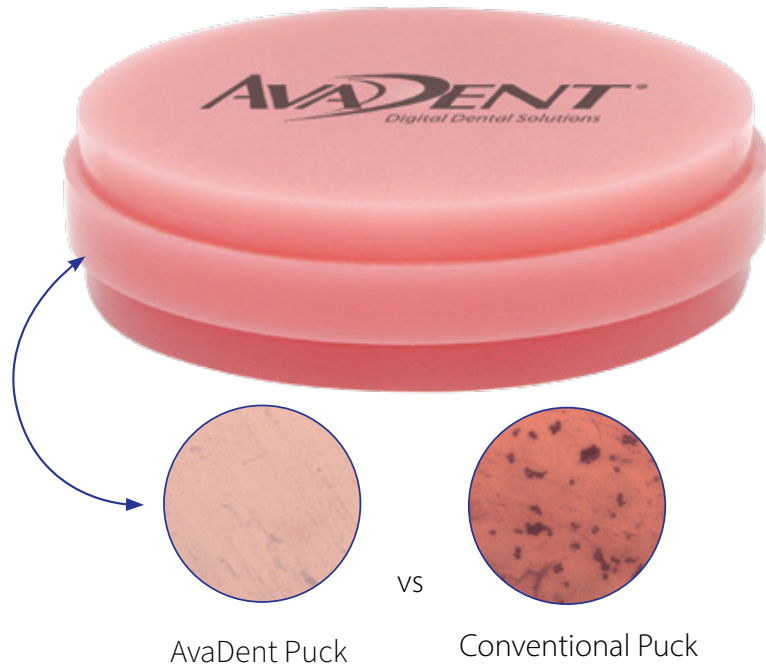
400K+

Patients Served

80

Patents Granted
or Pending

The Best Prosthetics Require Superior Materials



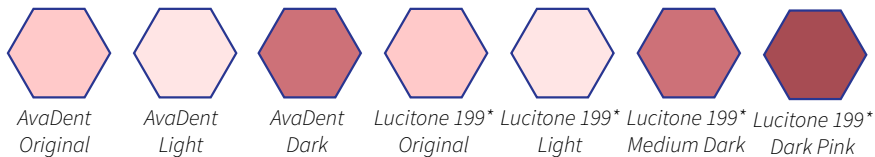
AvaDent's proprietary puck manufacturing process, which utilizes a patented industrial production technique, effectively enhances the material properties by carefully managing polymerization and tempering processes. Our patented manufacturing method results in a notably increased density, rendering our dentures nearly 100% porosity-free. Consequently, this porosity reduction minimizes bacteria accumulation that causes unpleasant odors, leading to better oral health and hygiene for denture wearers.

MATERIALS

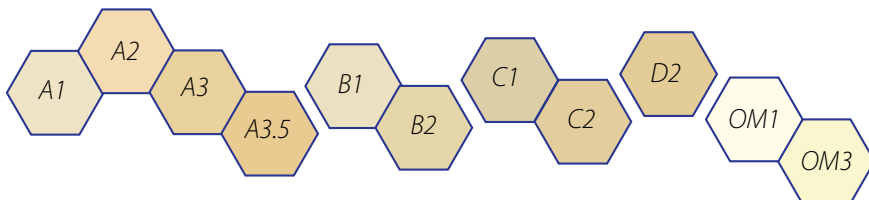
Benefits of AvaDent's High Density Discs

- Reduces bacteria growth and denture breath
- High impact, homogeneous puck is fracture and stain resistant
- No material shrinkage and virtually monomer-free

Base Shades Available



Vita® Classical Tooth Shades



* LUCITONE® is a trademark of Dentsply Sirona | Vita® is a trademark Of Vita Zahnfabrik H. Rauter GMBH & Co

AvaDent Prosthetics Are Stronger

Our teeth are custom-manufactured for each patient in multiple layers that chemically bond to form one unified, durable structure. Our patented high-pressure manufacturing system enhances strength up to eight times compared to conventional and printed dentures because the teeth and base are chemically one piece. This increased density also makes the dentures less prone to bacterial growth, ensuring greater oral health.

STRONGER



PMMA Puck is heat compressed



Puck is custom milled to create patient-specific tooth sockets



Dentin layer added and heat compressed again



Custom dentin layer is milled



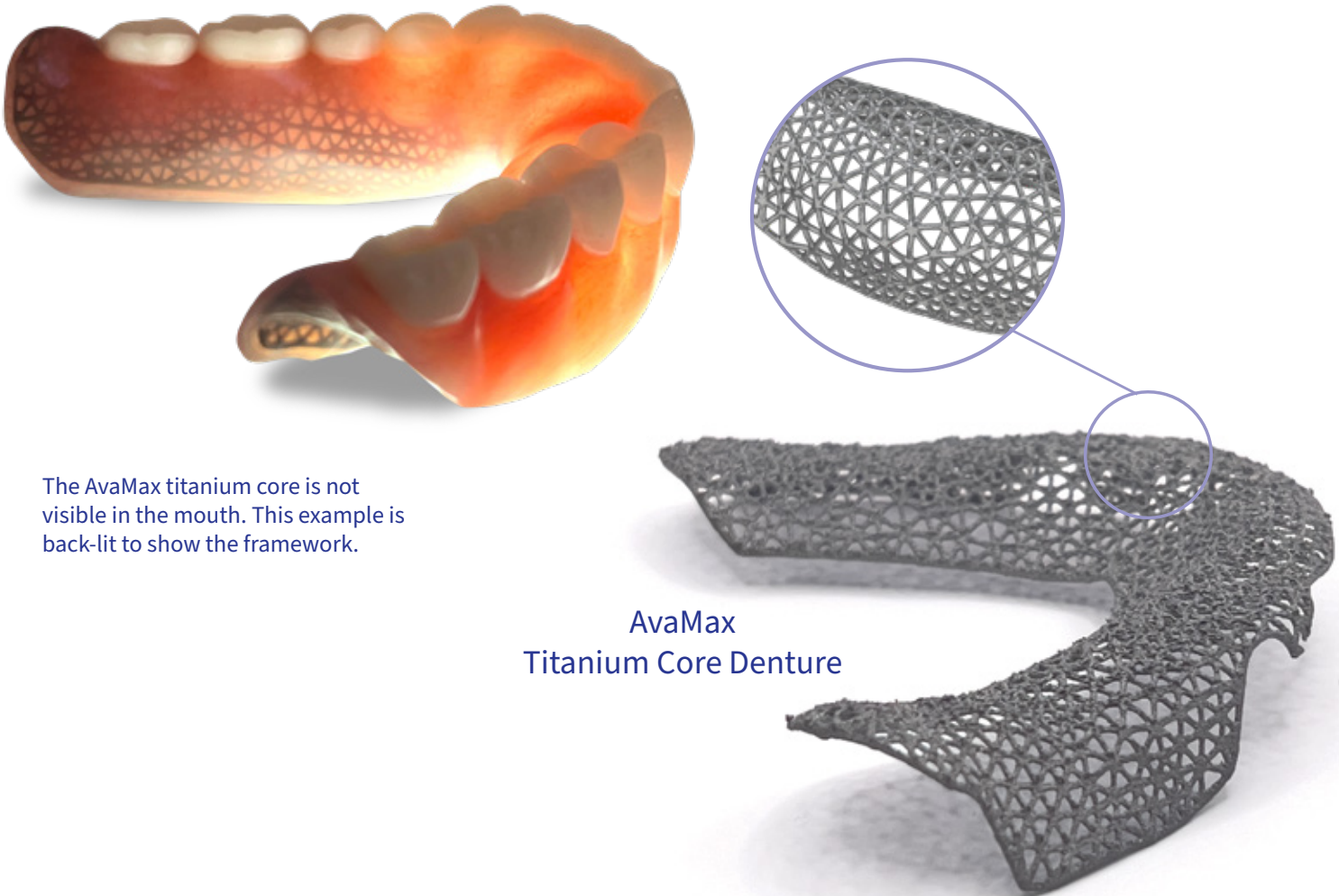
Esthetic translucent layer added and heat compressed before final milling step



After milling, each final prosthesis is scanned to check for accuracy.

AvaMax™ Dentures For Added Strength

AvaMax offers a custom designed titanium bar for superior strength by combining high-density PMMA with custom titanium meshwork, ideal for patients with strong biting forces and for implant over dentures or hybrid dentures. Unlike outdated methods, our precision-designed meshwork seamlessly integrates with the acrylic during molding, ensuring durability without the need for manual reinforcement.



The AvaMax titanium core is not visible in the mouth. This example is back-lit to show the framework.

AvaMax
Titanium Core Denture

STRONGEST

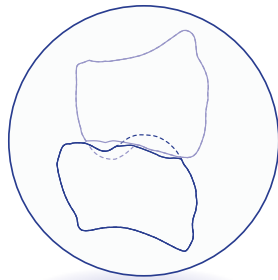
Perfect Occlusion and Fit Saves Chair Time

Fast Chairside Delivery with Minimal Adjustments Reduces Patient Returns

AvaDent's AI Occlusion Software

AvaDent's patented 'Adaptive Occlusion' software is the first true dynamic digital articulation platform that allows us to adjust the occluding surfaces of teeth while maintaining their original contours. AvaDent's approach surpasses traditional and 3D printing methods by eliminating the risk of post-processing distortion, ensuring our products are consistently precise and true to scale. Furthermore, we have the highest quality standards in the industry by 3D laser scanning all our products and digitally comparing them to the original design files approved by our customers, verifying the accuracy of fabrication.

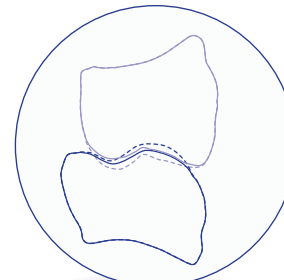
TYPICAL DENTURE TEETH



Chair-Side Occlusal Adjustment Process

- Time-consuming
- Less accurate
- Not repeatable

AVADENT DENTURE TEETH



AvaDent Occlusal Adjustment Performed by Software

- Reduces denture adjustments
- Extremely accurate
- Repeatable

“
Just like my practice, the entire digital denture industry began with AvaDent. While both the technology and the techniques are ever-advancing, AvaDent remains at the leading edge, consistently bringing the best of the digital dental age to reality.

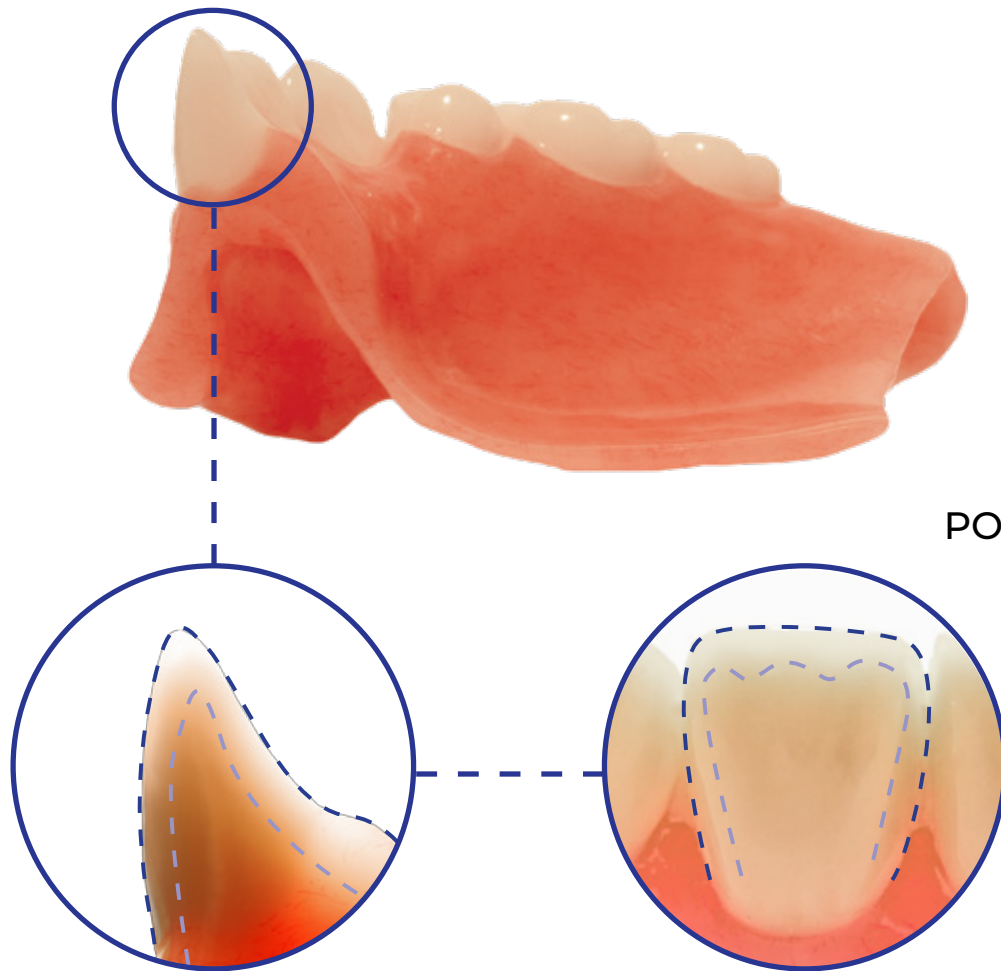
Dr. Andrew C. Johnson



AvaDent Teeth Are Beautiful

AvaDent PMMA denture teeth are custom designed for each patient and made in multiple layers just like premium denture teeth. The chroma and hues are presented in three dimensions. Mamelons are present and translucency extends interproximally. Our milling process is customized for each arch. Using our proprietary software, we design the teeth to look like carded denture teeth – custom for each case – in multiple layers.

You can choose your favorite mold and stretch or shrink it - using our proprietary software - to fit the available space.



XCL-2
POLYCHROMATIC TEETH

NATURAL

Working with AvaDent is Easy

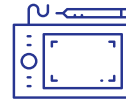
There is no need to modify your existing workflow

WE OFFER COMPLETE FLEXIBILITY



1. CREATE RECORDS

Use your conventional or digital technique. We just need accurate records.



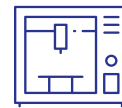
4. DESIGN

We do it all for you and we give you access to the most advanced removable design software in dentistry to review and make changes.



2. DIGITIZE RECORDS

You can scan your records and send us your files, or you can send us your physical records and we can scan them for you.



5. PRODUCTION

We can send you an STL file to print or mill your try-in or we can make it for you. All final products are milled by AvaDent.



3. SUBMIT DIGITAL Rx

Log in to the AvaDent dashboard to select products, place order and submit your clinical records.



6. FINISHING / QC

Provide us with your preferences and we finish accordingly. We scan 100% of our products and measure the results against the original design file so you can be assured of a precision fit.



AvaDent Workflow

Scan the QR code

To access all clinical records required by AvaDent, scan the QR Code



Our Workflows Save You Chair Time!

Choose your workflow. They all save you chair time. And best of all, patients rarely return for adjustment appointments.

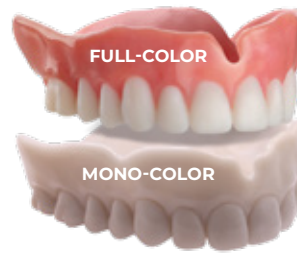
Reference Denture & BTI Technique



REFERENCE DENTURE



BOUMA TRY-IN (BTI)



FINAL DENTURE



Skip the try-in for a Two-Appointment Denture

Impression & WTI Technique



INTRAORAL IMPRESSION



WAGNER TRY-IN (WTI)



FINAL DENTURE



Impression, Wax Rims & BTI Technique



INTRAORAL IMPRESSION



Appointment 1

BASE WITH WAX RIMS



Appointment 2

BOUMA TRY-IN (BTI)



Appointment 3

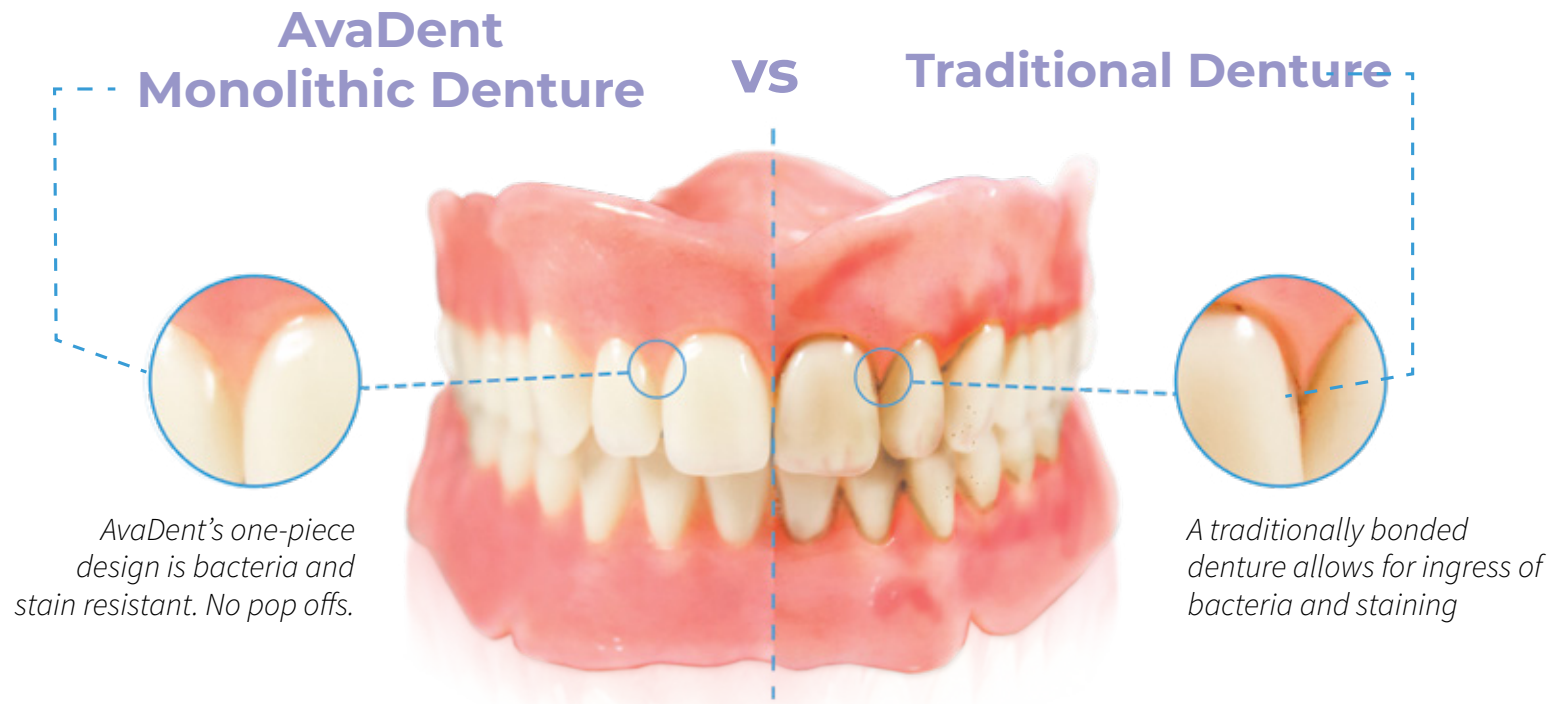
FINAL DENTURE



Appointment 4

Improved Oral Hygiene for Your Patients

HYGIENIC



“
I've been making dentures for over 50 years, so when I say the three appointment denture has changed the way I practice, that statement has weight. These dentures are highly esthetic, fracture resistant and extremely functional. I've eliminated my adjustment appointments altogether and my patients are happy! It's a winner!

Dr. Stephen Wagner



Why Choose A Milled Monolithic Prosthesis

Our monolithic prosthetics are milled entirely from an individual puck made from our patented cross-linked manufacturing process. There are no limitations on who you can treat - CLASS 1, 2, or 3 patients. Bonding material is no longer needed.

TRUE CUSTOM MONOLITHIC

One-Piece, No Bonding, Reduces Fractures & Bacteria

- More comfort due to seamless teeth-denture transition
- Up to 8 times stronger
- Better wear resistance
- Bacteria and stain resistant
- Limitless designs



Eight times stronger than conventional acrylics virtually eliminates fractures, no staining or denture base odor, and exceptional life-like esthetics of all their dentures, overdentures, and hybrid dentures! AvaDent gives our patients the best of all worlds!

Dr. Sam Strong

Wagner Try-In

The Wagner Try-In (WTI) combines traditional techniques with digital processes for efficient teeth movement by dentists. A clinician can deliver a final prosthesis in just three, 30-minute appointments using specially formulated wax. This wax softens in hot water, allowing the clinician to move teeth and establish the correct settings before ordering the final AvaDent digital denture. Our process involves printing and setting maxillary anterior teeth in our special wax, using maxillary posterior teeth as bite stops, and mandibular anteriors printed in a single piece for desired overbite/overjet.

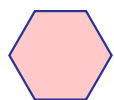


Bouma Try-In

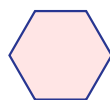
The AvaDent Bouma Try-In began as a concept from Dr. Lars Bouma. It is a functional try-in that can be used to verify fit, phonetics, and esthetics and can be used as a spare denture. It is our most popular try-in and is available in three formats:



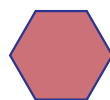
Full-Color BCTI Base Shades Available



TrueDent
Original



TrueDent
Light



TrueDent
Dark

Teeth: Most Vita® Classical Shades

1. Printed Full-Color (BCTI)

Dimensionally very accurate and full color to increase patient acceptance.

2. Printed Mono-Color (BTI)

Uses conventional “DLP” printing technology.

3. Milled Mono-Color (BTI)

Very durable and will be the exact fit of the final denture.



Mono-Color BTI Shades Available

Printed: NextDent N1 and BL

Milled: Most Vita® Classical Shades

Complete & Immediate Dentures

100% Monolithic, Perfect Fit



AvaDent Complete Denture

Our AvaDent Complete and Immediate dentures

are fully monolithic, offering up to eight times greater strength than traditionally fabricated or printed dentures. For additional support, AvaMax with a titanium integrated core is also available. Our patented manufacturing process ensures that AvaDent dentures are nearly free of monomers and pre-shrunk prior to milling for optimal fit, reducing adjustment appointments and increasing your profitability. Best of all the esthetics are unmatched!



AvaDent Immediate Denture



After completing each final prosthesis, AvaDent gives the dentist a Digital Denture Vault Card to pass on to the patient. This card explains how AvaDent securely stores the patient's digital records. It guarantees swift replacement if necessary down the line.



AvaMax
Titanium Core
Overdenture

AvaMax technology is available in four types of prostheses

Complete Denture

AvaDent dentures are up to 8 times stronger than conventional dentures. But in certain patient circumstances, an AvaMax reinforced denture may be indicated.

Implant Overdenture

The AvaMax design for overdentures include a titanium “basket” over each implant pocket. This helps to disperse the biting forces across the appliance. We pre-mill the implant pockets to preserve strength and save you valuable chair time.

Partial Denture

The AvaMax partial denture is a cobalt-chromium frame that is embedded into a milling disc and the partial denture is formed around it using our patented milling and filling processes.

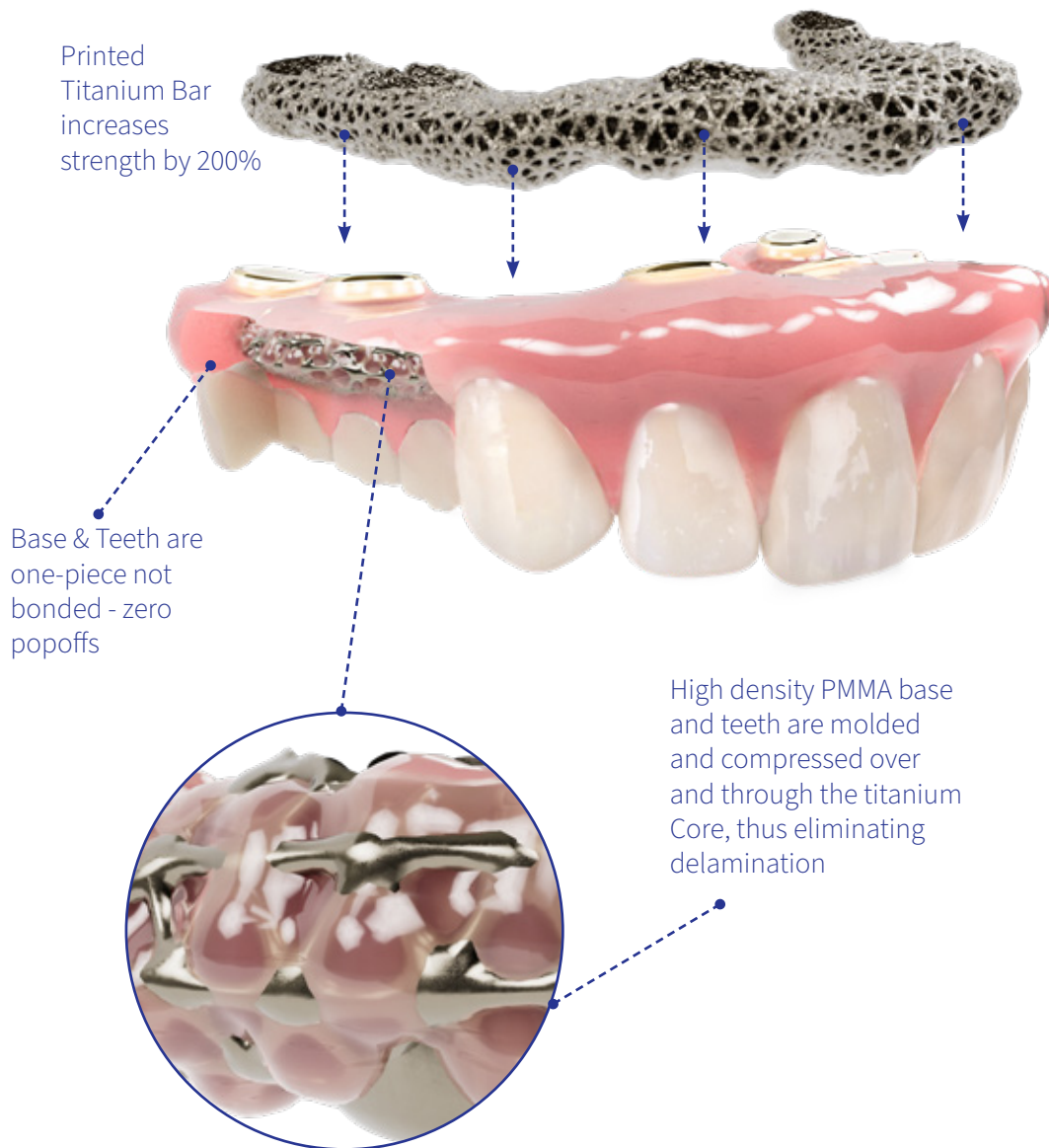
Hybrid Denture

Conventional hybrids are typically made in two separate pieces, with a bar and a prosthesis joined together using cold-cure resins. However, this manual process can weaken the hybrid and lead to fractures and staining. In contrast, AvaMax hybrids are made as one piece. The titanium core is fully integrated with the acrylic and both are milled simultaneously as one piece to eliminate guesswork. This ensures that the acrylic and bar will never separate, providing a durable and stain-resistant hybrid solution.



AvaMax Hybrid Prosthesis

with Integrated Titanium Core



Our AvaMax Hybrid Prosthesis incorporates a unique printed titanium core combined with our patented high density PMMA monolithic manufacturing process for superior strength and durability. Unlike conventional bar hybrids, the AvaMax framework is created digitally after the prosthetic is designed, thus optimizing the strength and function of the prosthetic.

AvaMax Hybrid Dentures are lightweight and more affordable than ceramic restorations. Our high-pressure monolithic process delivers a porosity-free and bacteria-resistant prosthetic. This product comes with a 5-year workmanship warranty.

AvaMax Titanium Core for LOCATOR FIXED

AvaDent has created the perfect solution for LOCATOR FIXED. The titanium core is constructed in the same manner as our AvaMax Titanium Core Hybrid Prosthesis. However, instead of screw-retained access, this appliance provides metal reinforcement around the LOCATOR FIXED housings, giving the appliance unparalleled strength.



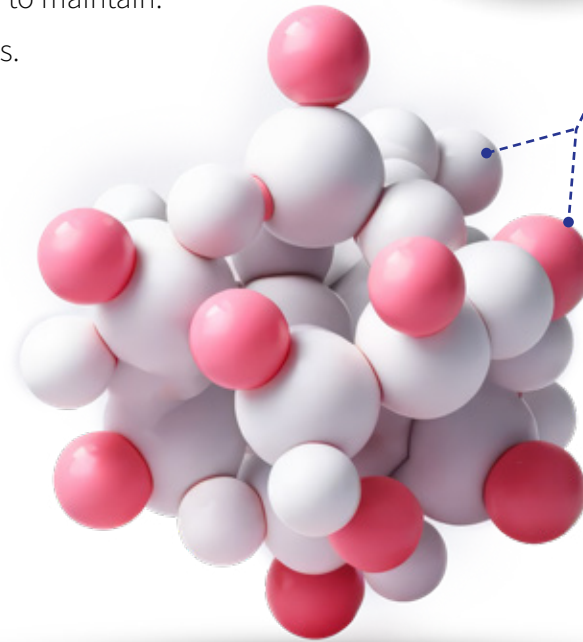
LOCATOR is a trademark of Zest Anchors, Inc.

AvaMax Partial Denture

The AvaMax partial denture features a 3D printed cobalt-chromium frame that is embedded into a custom high density PMMA puck, then we mill the puck and fill with tooth resin under high-pressure, then re-mill the entire appliance to assure occlusion and clasp retention are perfect.

Benefits include:

1. High strength PMMA reduces the risk of flange fractures.
2. Integrated teeth and base prevent teeth from popping off.
3. Digital precision fit and accurate occlusion, fewer adjustments.
4. High density PMMA reduces staining and bacterial growth, easy to maintain.
5. Perfect shade match with opposing AvaDent complete dentures.



By chemically binding and compressing the base and teeth material, we increase the strength by up to 8x of traditionally processed prosthetics.



AvaFlex™ Flexible Partial Denture

Our flexible partial denture base is meticulously crafted from a unique resin, which is first milled, and then the teeth are expertly compression molded into the base using our patented processes.

Advantages include:

1. Integrated teeth and base prevent pop-offs and breakage.
2. Digital precision fit and optimized occlusion reduces adjustments
3. Reduced staining and bacterial growth compared to conventional flexibles.
4. Perfect tooth shade match with opposing AvaDent dentures.
5. Nearly invisible clasps, improve patient satisfaction
6. Easy to make chairside adjustments.



AvaFlex partial dentures feature teeth that are significantly more secure compared to traditionally processed flexible dentures because they don't rely on weakening the teeth with holes for retention. Instead, AvaFlex teeth are connected throughout the entire height of the denture base, providing superior strength and stability.

Implant Supported Products and Services

AvaDent offers innovative dental products and services for improved implant procedures, including the Bone Reduction Guide Denture, a clear base-plate that contours tissue during implant cases. The Scanning Guide Denture is an exact duplicate of the final denture, and improves scanning effectiveness by differentiating teeth from soft tissue. The Conversion Denture, a monolithic Provisional Hybrid, is designed for guided surgery cases and becomes the provisional denture once the struts are removed. AvaDent's products provide a comprehensive solution for guided implant surgery.

We can fabricate a surgical guide from your design file. Alternatively, we can develop an implant plan using your DICOM files, then design and manufacture the surgical guide.

Bone Reduction Guide Dentures



Our Bone Reduction Guide Denture is a clear AvaDent baseplate surgically guided denture used to perform an alveoplasty and tissue contouring during immediate and implant cases.

Scanning Guide Dentures



Our Scanning Guide Denture is a clear radiopaque guide with fully milled dentition, an exact duplicate of the proposed final denture. To maximize the scanning effectiveness you can clearly differentiate the teeth from the soft tissue.

Conversion Dentures



Our Conversion Denture is a monolithic denture designed for guided surgery cases. The surgical guide is used to pre-mill holes in the denture based on implant position. Once the struts are cut away, it becomes the AvaDent Provisional Hybrid.

Surgical Guides



We offer surgical planning plus design and fabrication of surgical guides. A surgical guide reduces the time to prepare the surgical site for a dental implant and reduces the probability of complications arising from the procedure and can help shorten recovery time.

Implant Planning Services

Let us assist you with implant placement through our implant planning service. We also specialize in designing surgical guides.

Our Team Will Help You Get Started

If you want to get started and have questions, we are here to help. You can schedule an appointment with one of our board-certified prosthodontists. Scan the QR code below or give us a call at **480-275-7144**.

EXPERTS



Schedule An Appointment with
Dr. Steve Wagner
Board-Certified Prosthodontist



Schedule An Appointment with
Dr. Tom Girvan
Board-Certified Prosthodontist



Schedule An Appointment with
Dr. Christopher Minke
Board-Certified Prosthodontist

Scan the QR Code and Schedule a Call with our Digital Experts



Google Reviews From Some of Our Clients

I have been creating dentures, overdentures, and fixed prosthetics for over 30 years and I can confidently say that AvaDent represent a monumental leap in dental prosthetic technologies. Their customer support and design team truly set them apart from other labs. Their responsiveness and expertise ensure that every design and final product is meticulously perfected, leading to a seamless and efficient process. Patients enjoy fewer visits to my office thanks to the superb fit and reduced need for adjustments. I also want to call out their AvaMax implant-supported hybrid, it's a great alternative to traditional Zirconia solutions. It's significantly lighter than Zirconia, and unlike Zirconia it has some give so it's less stress on the implants and opposing teeth without sacrificing strength or durability. Incorporating AvaDent's advanced prosthetics into my practice has not only streamlined operations but also significantly improved patient outcomes, and my profitability.

BEST PRODUCT OUT THERE TODAY ★★★★★

- Dr. Cliff Degal



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AvaDent is my go to lab for exceptional and consistent results on all of our milled denture, overdenture and mandibular hybrid cases. Love the design simplicity and the occlusion results are best in the industry. ★★★★★

- Mark S

As a practicing prosthodontist and academic, I've made a lot of dentures over the years. AvaDent dentures are by far the best fitting dentures. Their technology allows you to use any style of denture fabrication you are comfortable with from traditional wax rims to 3d printed try-ins with no proprietary rules or fancy apparatus. The company is easy to communicate with and happy to make modifications when you need them.

★★★★★

- Matthew K

I have worked with the Team at AvaDent for the past 18 months. I have been truly impressed by the professional interaction and the prostheses that are created. As a Board Certified Prosthodontist, the opportunity to collaborate with knowledgeable and discerning laboratory colleagues provides confidence and comfort to deliver the highest quality restorations for my patients. ★★★★★

- Bruce V