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# REMOVABLE PARTIAL DENTURES

## The Comprehensive Guide

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3175 Range Ave.  
Santa Rosa, CA 95403  
800-368-8482  
[dentalmasters.com](http://dentalmasters.com)



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**MASTERS™**  
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# YOUR RESOURCE FOR EXCEPTIONAL PARTIALS

Dental Masters has been providing superior dental lab services to practices nationwide for over 65 years. The foundation of our success is based on honesty, personal responsibility, and a focus on serving people well. As your laboratory partner, we believe it is our job to provide you with foundational and revolutionary information about every aspect of the dental industry, which is why we have created this removable partial denture eBook. As this group of restorations continues to evolve, we want to help you stay on the edge of the latest information. Dental Masters provides a wide variety of partials, so armed with this knowledge you can prescribe the partial that best fits your patient's economic and dental needs.

**VISIT [DENTALMASTERS.COM/SEND-A-CASE](https://www.dentalmasters.com/send-a-case)  
TO GET STARTED TODAY!**

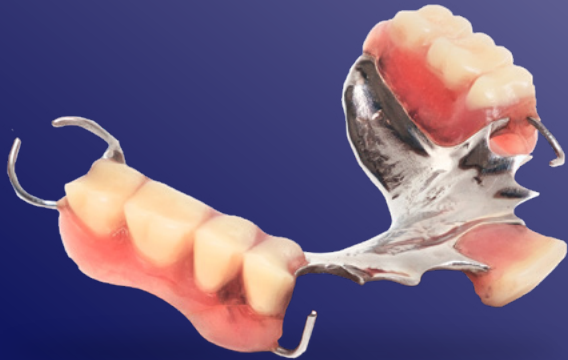
## **Prescribing Partial from Dental Masters**

We created this comprehensive all-ceramic guide based on the knowledge that your busy schedule does not provide ample time for you to research and learn everything about materials. This is especially true as the market continues to develop, and materials evolve. This eBook contains vital information about the popular all-ceramic materials you need to make informed decisions and ensure success for every case.



# THE EVOLUTION OF RPDS

Full dentures and partials have been evolving and advancing for centuries. This material science has come a long way since the use of animal and human teeth. Since the advent of metal-based partials in the early 18th century, every step forward has been to fix challenges presented by the previous material, while introducing new challenges for the patient and the clinician.

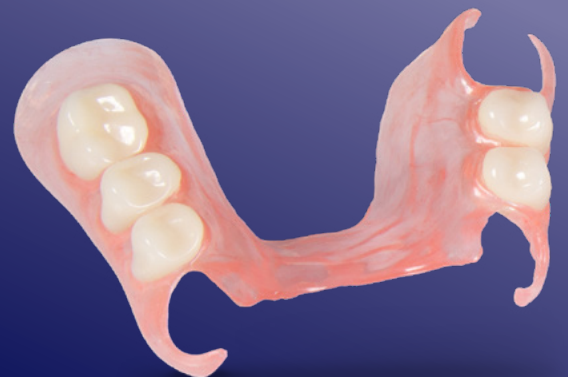


## Cast Partials

Modern RPDs have been typically crafted out of metal since the early 1700s. Cast metal partials are an industry staple; however, they are often accompanied by both minor and extreme issues. These partials utilize metal clasps or supports for retention, which can torque the remaining dentition and cause further tooth loss. The metal alloys can also cause sensitivity, inflammation, and a metallic taste. These issues can result in poor oral hygiene, lack of compliance with wearing the prosthesis, increased expense, and the need for additional restorations.

## Acrylic Partials

Due to the challenges that accompany metal-based partials, the industry has been steadily evolving to find replacement partial denture materials. Acrylics are a metal-free, low-cost alternative that are also accompanied by issues, which includes low impact strength. In an attempt to increase the durability of partials, they are frequently made thicker in high impact areas, creating an uncomfortable and bulky prosthesis.



# THE EVOLUTION OF RPDS CONTINUED

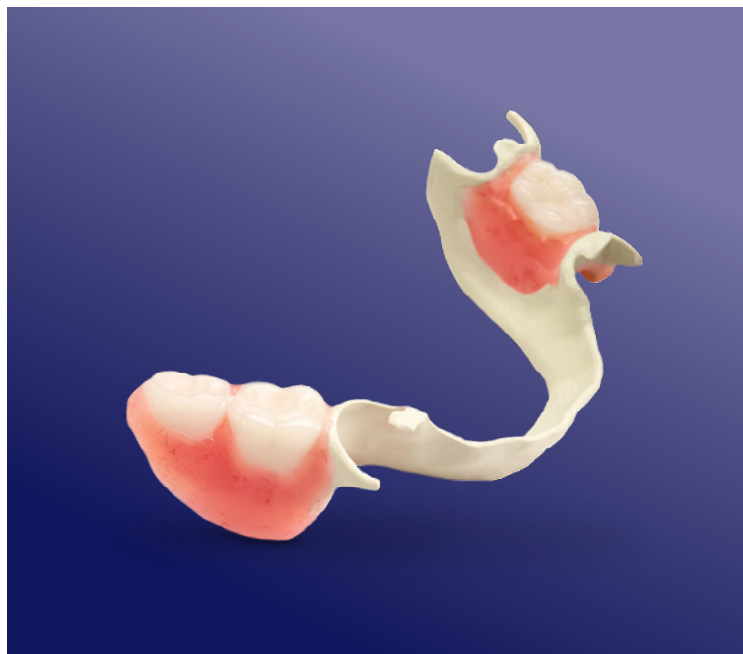


## Flexible Partial

Flexible denture materials have also been a relatively recent innovation to RPD offerings. These prostheses offer a higher level of comfort than acrylics or metal-based solutions and cling to a patient's mouth without the need for clasps. They can be susceptible to bacteria build-up and distortion. Due to the increased chance of undesirable bacteria growth, flexibles require thorough daily maintenance, which is a level of commitment that some partially edentulous patients may not comply with. The risk of distortion from stress can also result in the need for a replacement prosthesis.

## High-Performance Polymer Partial

High-performance polymer partials are the latest evolution in RPD material science. They offer the high strength of metal-based with the comfort afforded by flexible partials. The polymers used act in a similar way to bone and are supported by a patient's existing dentition. While this product is new to the industry, its evident benefits allow it to outshine alternatives. The Ultaire™ AKP is one of the only high-performance polymer-based partials currently on the market. As this material is embraced by the industry, competitor partials will begin to appear.

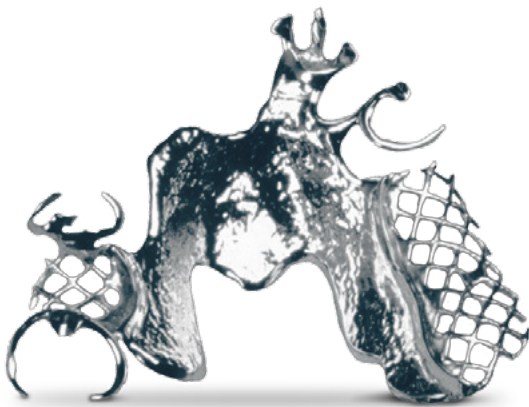


## Digital Partial Dentures

Digital denture technology has surged onto the scene in the past year. Currently, full dentures are the only removable being created digitally. As this technology continues to expand, we can anticipate the eventual fabrication of digital partial dentures.

# CAST PARTIALS

**The Dental Masters** team is dedicated to choosing the highest quality alloys for all our cast partial restorations. The materials we use are carefully selected to ensure high levels of comfort, fit, and longevity, as well as biocompatibility to eliminate irritation. Our removable lab team combines the unique features, superior properties, and unmatched performance provided by these high-quality alloys with their 65+ years of RPD experience.



## **VITALLIUM® 2000**

The Vitallium® 2000 framework is the ideal base for lightweight partials that can provide improved metal-based esthetics and comfort. Dental Masters offers a framework and framework complete RPD with Kulzer Artic® Teeth and True-Life™ set-up, and finish.

**Benefits:** Superior Strength, Fracture-Resistance, High Surface Luster, Biocompatible.

## **WIRONIUM®**

Wironium® offers a complete solution for partial denture applications, including excellent framework design, retention, and fit. The Dental Masters Team utilizes innovative design parameters that allow for improved force distribution and increased comfort.

Dental Masters offers a framework, which includes Kulzer Artic® Teeth and True-Life™ set-up, and finish.

**Benefits:** Highly Functional, Esthetic, Precise Fit, Improved Phonetics and Taste Sensations.



# ACRYLIC PARTIALS



## **CU-SIL® SILICONE-RETAINED**

This acrylic partial utilizes soft elastomeric gaskets to provide retention that will not potentially torque the stabilizing teeth. These gaskets also cushion and splint the natural dentition from the hard, acrylic denture base. It will also save valuable chairtime by requiring minimal adjustments.

**Benefits:** Seals Out Food and Fluids, Comfortable Fit, Lifelike Esthetics, High Surface Luster, Biocompatible.



# FLEXIBLE PARTIALS



## **DURA-FLEX™**

Fabricated out of a thin material, this partial solution is ideal for patients who are allergic to acrylic monomers. The Dura-Flex™ RPD Complete from Dental Masters includes an alloy-free RPD framework, Kulzer Artic® Teeth, set-up, and finish.

**Benefits:** Resistant to Stains and Odors, Blends in with Natural Tissue and Dentition, Virtually Invisible.

## **VISICLEAR™**

This flexible partial allows for the easy addition of teeth. VisiClear™ can be easily adjusted without the need for special kits. The VisiClear™ RPD Complete from Dental Masters includes an alloy-free RPD framework, Kulzer Artic® teeth, set-up, and finish.

**Benefits:** Translucent, Biocompatible, Fracture-Resistant, Easily Adjustable and Repaired, Water and Stain-Resistant.





## FLEXIBLE PARTIALS CONTINUED



### **TCS®**

This extremely resilient high-performance thermoplastic allows for an ideal flexible removable partial. The TCS® RPD Complete from Dental Masters includes an alloy-free RPD framework, Kulzer Artic®, teeth, set-up, and finish.

**Benefits:** Biocompatible, Virtually Unnoticeable in Mouth, Extremely Comfortable, Thin and Lightweight.

### **FLEXITE®**

This revolutionary partial is fabricated out of a unique, thermoplastic material. It can be fabricated to fit a variety of prosthetic needs and is also available as an allergy-free option for patients who cannot be prescribed acrylic RPDs. The Flexite® RPD Complete from Dental Masters includes an alloy-free RPD framework, Kulzer Artic® teeth, set-up, and finish.

**Benefits:** Available as Allergy-Free, Comfortable, Translucent, Clinically Unbreakable.



# HIGH-PERFORMANCE POLYMER PARTIALS



## **SMILE RITE®**

Fabricated out of acetal resin, the Smile Rite® family of products offers partial solutions that fit perfectly into a patient's mouth. Smile Rite® is available in clear, tissue, and enamel for high esthetics. A Smile Rite™ Partial offers effortless relines and repairs as well as maximum flexibility.

**Benefits:** Easy Tooth Additions, Lightweight, Flexible, Stain and Odor Resistant, Allergy and Lead Free.

