












QUICK RESTORATIVE REFERENCE GUIDE



| FIXED PRODUCTS | | | | | |
|---|---------------------------------------|--|--|---|---|
| IMAGE | PRODUCT | DESCRIPTION | ADVANTAGES | USE INDICATORS | CEMENTATION |
|  | e.max* | With biocompatible lithium disilicate ingots, e.max offers optimized esthetic properties, creating restorations that offer true-to-natural results. | <ul style="list-style-type: none"> • Natural translucency • Strength • Wear-compatibility • Excellent margin adaptation • Biocompatibility | Anterior: Crown, Veneer Posterior: Crown, Inlay, Onlay | Conventional or Bonded |
|  | IPS e.max* ZirCAD Prime | ZirCAD Prime is an extremely versatile material due to its seamless shade progression and Zirconia durability. These restorations are designed by our experienced CAD technicians and milled from a single puck. | <ul style="list-style-type: none"> • High Strength • Esthetic • Versatile • Translucent • Biocompatible • Exceptional fit • Resistant to fracture | Anterior: Crown, Bridge Posterior: Crown, Bridge | Conventional |
|  | IPS e.max* ZirCAD Multi | A premium, highly translucent Zirconia material from Ivoclar Vivadent that provides natural-looking properties, inspired by the esthetics of e.max lithium disilicate. | <ul style="list-style-type: none"> • Metal-free biocompatibility • High strength • Enhanced translucency • Eliminates dark margins • Reduces risk of fractures • Fixed pricing | Anterior: Crown, Bridge Posterior: Crown, Bridge | Conventional or bonded |
|  | Non/Minimal Prep | Non/Minimal Prep veneers have been made popular by patients for their non-invasive preparation requirements, and their ability to allow the existing tooth shades to shine through. | <ul style="list-style-type: none"> • Minimal Prep (0.2mm-0.3mm) • Highly esthetic • Non-invasive • Translucent | Anterior: Crown, Veneer | Bonded |
|  | P2Z (Porcelain-to-Zirconia) | P2Z restorations offer the structural strength of Zirconia and the esthetics of e.max. A ceramic overlay provides enhanced light transmission properties and excellent blending capabilities for a natural look. | <ul style="list-style-type: none"> • Proven esthetics • Strength • Versatility | Anterior: Crown, Bridge Posterior: Crown, Bridge | Conventional |
|  | Monolithic Zirconia | Our full-contour Monolithic Zirconia restorations still offer CAD/CAM precision and high strength, but are now more translucent and natural-looking than traditional Zirconia. | <ul style="list-style-type: none"> • Metal free biocompatibility • High strength • Enhanced translucency • Eliminates dark margins • Reduces risk of fractures • Fixed pricing | Anterior: Crown, Bridge Posterior: Crown, Bridge | Conventional or bonded |
|  | Full Metal | With high noble, semi-precious, and non-precious options, full metal remains a proven material choice due to its longevity and functional success. | <ul style="list-style-type: none"> • Functional success • Exceptional fit • Strength • Durability | Anterior: Crown, Bridge Posterior: Crown, Bridge, Inlay, Onlay | Conventional |
|  | PFM (Porcelain-Fused-to-Metal) | PFM is an exceptional restoration that combines longevity and natural-looking internal characteristics. The underlying coping provides the strength and stability of a natural tooth, while the ceramic coating replicates a natural look. | <ul style="list-style-type: none"> • Longevity • Natural-looking internal characteristics • Long-span bridges • Enhanced esthetics | Anterior: Crown, Bridge Posterior: Crown, Bridge | Conventional |
|  | Composite | Composite restorations offer a true-to-natural restoration designed to parallel the physiological aspects of natural teeth. Technicians can achieve consistent, accurate shade reproduction from case to case. | <ul style="list-style-type: none"> • Excellent margin adaptation • High flexural strength • Proven durability • Proven clinical study | Anterior: Crown, Veneer Posterior: Crown, Bridge, Inlay, Onlay | Dual-cured resin, glass ionomer or luting cements |








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|---|-----------------------|--|---|---|--|
|  | Diamond Crown™ | Composed of a Poly-Crystalline Nano Ceram material, the biocompatibility of DiamondCrown is extremely high and is non-cytotoxic. The wear ratio of DiamondCrown is the same as natural teeth and gold. | <ul style="list-style-type: none"> •Hydrophobic •Fracture-resistant •Biocompatible •Non-cytotoxic •Superior, natural esthetics •Longevity & stability | Anterior: Crown, Bridge Posterior: Crown, Bridge, Inlay, Onlay | PolyCrystalline products, DiamondBond™ Adhesive, and DiamondLink™ Cement |

IMPLANT SOLUTIONS





| IMAGE | PRODUCT | DESCRIPTION | ADVANTAGES |
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|  | Implant Restorations | Implant restorations are becoming the standard of care when treating edentulous or partially edentulous patients. Implant-based restorations offer excellent stability, function, and esthetic results. Commonly used abutment materials include Titanium, Zirconia, and gold hue Titanium. | Based on crown type used. See: e.max, ZEUS, P2Z, PFM, and full-metal. Anterior: Crown, Bridge Posterior: Crown, Bridge |
|  | Hybrid Denture | Hybrid dentures are proven replacements for removable prostheses worn by edentulous patients. A custom titanium implant bar is milled using precise CAD/CAM technology. Acrylic teeth are processed to the bar and fixed in the mouth via abutment screws. | <ul style="list-style-type: none"> •Functional success •Exceptional fit •Support •Stability |
|  | Implant-Supported Removable Denture | These types of dentures are referred to as overdentures and can be removed by the patient. Once the bar is milled with precise CAD/CAM technology and implanted, the denture is constructed with internal attachments and engaged to the bar for esthetic and functional results. | <ul style="list-style-type: none"> •Functional success •Exceptional fit •Support •Stability |
|  | All-on-X | MicroDental's All-on-X is a digitally and prosthetically driven process that achieves optimal workflow efficiencies and accuracy. Every step of the process is designed to give your patient the MicroDental smile, while delivering you the utmost confidence during the process. | <ul style="list-style-type: none"> •Cost Effective & Reduced Chair Time •Predictable Fee Structure •Chairside & On-site Support at Selected Locations •Comprehensive Case Planning & Fully Guided Solutions •Streamlined Restorative & Digital Workflows |
|  | Implant-Supported Zirconia Bridge | MicroDental Implant-Supported Zirconia Bridges offer a highly precise and reliable monolithic solution. Expert case planning, streamlined digital workflows, and direct communication with our technicians are always available to enable predictability and support the success of your clinical treatments. | <ul style="list-style-type: none"> •Comprehensive Case Planning •Cement-Free •High-Strength Material •Efficient & Digital Workflows •Fully Guided Solutions •Advanced Esthetics |
|  | Implant Surgical Guide | As an essential part of successful guided surgery treatments, our surgical guides are designed to help you achieve accurate implant placement with confidence. No matter your familiarity with dental implants, our surgical guides maximize process efficiencies and eliminate manual errors in implant placement. | <ul style="list-style-type: none"> •Personalized Service •Advanced Case Planning •Expert Implant Technicians •Optimal Accuracy •Improved Clinical Outcomes •Peace of Mind |

REMOVABLE SOLUTIONS

| IMAGE | PRODUCT | DESCRIPTION | ADVANTAGES | MATERIALS |
|---|--|---|---|-----------|
|  | Ivotion Milled Digital Dentures | A monolithic solution designed and milled with digital accuracy and superior in all aspects of fit, form, and occlusion. Our specialized removable prosthetics team will case plan and collaborate with your office through a highly efficient workflow. As a final step, our technicians' artistic touch finishes every Ivotion denture to accomplish the life-like aesthetics that your patients will love. | <ul style="list-style-type: none"> •Fewer appointments & chair time •Enhanced strength and fit •Better retention & fewer sore spots •Less post insertion adjustments •Digital design & milling accuracy •Digital record for quick duplication | |
|  | Printed Digital Dentures | Fully-edentulous patients have the option to receive the latest in technology through digitally-designed printed dentures from MicroDental. With the experience of our highly skilled technicians, these complete prosthetic restorations are designed to be true personalized digital dentures. | <ul style="list-style-type: none"> •Less try-in visits •No prosthetic variables •Improved fit & function •Exceeds ISO high impact standards •Fracture resistant & high accuracy •Digital record for a duplicate set | |






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|  | Complete Dentures | Complete dentures are a viable option for patients that are not candidates for implant-based alternatives. Featuring high-performance materials and a range of denture teeth options, complete dentures offer a functional alternative that is both esthetic and durable. | <ul style="list-style-type: none"> • High biocompatibility • Exceptional fit • Functional success | Injection acrylic tissue, & teeth |
|  | VisiClear® Flexible Partial Denture | With MicroDental VisiClear Partial Dentures, you can count on a lightweight framework and beautiful esthetics. Made with flexible material and a completely metal-free design, this product allows for improved patient satisfaction, comfort, and easy chairside adjustments. | <ul style="list-style-type: none"> • High biocompatibility • Improved comfort • Esthetics • Repairable & relineable | VisiClear clear resin framework & clasps, with acrylic tissue and teeth |
|  | Valplast® Flexible Partial Denture | With exceptional strength, many partially edentulous patients find the Valplast Flexible Partial to be a comfortable option. This tissue colored flexible framework offers superior esthetics over visible metal clasps. The results of this flexible partial are beautiful, and patient satisfaction is high. | <ul style="list-style-type: none"> • Biocompatible • Improved comfort • Esthetics • Repairable | Flexible resin tissue & teeth |
|  | Duraflex™ Flexible Partial Denture | Duraflex Partial Dentures are easy to adjust and easy to polish. They are thin, transparent, and resistant to water absorption, making them less likely to absorb stains or odors. | <ul style="list-style-type: none"> • Durable & esthetic • Comfortable • Repairable & relineable | Flexible acetyl resin & teeth |
|  | Stay Plate | A Stay Plate is a temporary partial denture used while the gums and supporting bone heal after extraction and before getting a partial denture. It will replace the missing tooth or teeth and can assist with chewing and speaking until the partial denture is delivered. | <ul style="list-style-type: none"> • Functional success • Exceptional fit • Repairable & relineable • Esthetics | Acrylic, teeth, possible wrought wire clasps |
|  | Cast Partial Denture* | Cast Partial Dentures are a premium, strong, cast metal partial. The alloy used allows for a lighter-weight framework that withstands chairside adjustments. | <ul style="list-style-type: none"> • Ease of adjustability • Lightweight • Functional • Prevents natural tooth shifts | Wironium with acrylic tissue and teeth |
|  | Cast Partial Frame* | Cast Partial Frames are fabricated from alloys that present a strong partial framework that withstands chairside adjustments. | <ul style="list-style-type: none"> • Functional success • Exceptional fit | Cobalt Chromium, acrylic tissue, teeth |

MOUTHGUARD, THERAPY DEVICES, & ORTHOTICS

| IMAGE | PRODUCT | DESCRIPTION | ADVANTAGES | MATERIALS |
|--|-------------------------------------|--|--|--|
|  | Digital Nightguard | MicroDental's line of digital orthotics includes occlusal devices and nightguards. Dental occlusal devices are necessary for patients with TMD syndrome or severe parafunctional problems. Nightguards provide relief for patients with bruxism while helping to protect their existing dental restorations. | <ul style="list-style-type: none"> • Digital accuracy • Ability to reprint from design • Strong and flexible • Stain and fracture resistant • Biocompatible material • Enhance patient comfort | KeySplint Soft |
|  | Hard Nightguard | Designed to protect the dentition, the Hard Nightguard can be worn during the day or at night to provide occlusal comfort. Fabricated for a precise fit and providing maximum rigidity and strength. <i>Not recommended for patients with cosmetic restorations.</i> | <ul style="list-style-type: none"> • Teeth protection • Durability • Comfort • Ease of insertion | Heat-cured hard acrylic & a flat plane |
|  | All-Thermoplastic Nightguard | The most comfortable acrylic splints, the All-Thermoplastic Nightguard is the easiest to seat and kind to cosmetic restorations. Ideal for cases with missing teeth or unusual draw. This all-thermoflexible acrylic becomes pliable in hot water but remains firm and rigid at mouth temperature. | <ul style="list-style-type: none"> • Teeth protection • Durability • Comfort • Ease of insertion | Heat-cured hard acrylic & a flat plane |
|  | Hard/Soft Nightguard | This nightguard has a soft liner overlay reproduction of the current dental arch form, with an added layer of hard acrylic to provide a flat occlusal plane. It has an even thickness, is contoured to replicate the arch form, and has a flat plane added. | <ul style="list-style-type: none"> • Teeth protection • Durability • Comfort • Ease of insertion | Pressure-formed dual laminate EVA, traditional hard acrylic occlusal, & a flat plane |

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|  | Combo Nightguard | This premium nightguard provides stability and durability over traditional hard acrylic occlusion, combined with easy seating and a comfortable fit. Excellent occlusal durability with fast, comfortable seating, utilizing on-call flexibility in hot water—this is the best of both worlds. | <ul style="list-style-type: none"> •Teeth protection •Durability •Comfort •Ease of insertion | Hard acrylic occlusion combined with thermo-flexible & a flat plane |
|  | Soft Nightguard | This all-flexible EVA material is used in cases with sensitive or missing teeth or an unusual draw. It is also used for athletic mouthguards. The standard, even thickness is 3mm, and thickness can be added by request. It is soft/flexible in the mouth and contoured. | <ul style="list-style-type: none"> •Teeth protection •Durability •Comfort •Ease of insertion | Pressure-formed EVA |
|  | LVI Removable Orthotic | This orthotic device is recommended by LVI to reprogram the muscles of mastication, and is also used for rehabilitation cases. LVI orthotics are created from a precise LVI bite registration for occlusal accuracy. | <ul style="list-style-type: none"> •Teeth protection •Durability •Comfort •Ease of insertion | Pressure-formed dual laminate EVA & traditional hard acrylic |
|  | LVI Acetal Resin Orthotics | A new long-term orthotic appliance, recommended by LVI and fabricated by Bill Wade, stabilizes the patient at the physiological bite. Made out of acetal resin, it is flexible enough, so no clasps are required, and is highly durable. It supplies full tooth coverage and color matching. | <ul style="list-style-type: none"> •Durable & strong •Rigid but flexible for comfort •Natural tooth color •Bacteria & stain resistant •Biocompatible material | Acetal resin |
|  | ActionGuard™ | ActionGuards are fabricated from sturdy yet pliable materials, with the goal of safety for athletes' teeth. This product is available in several different types of styles to suit your patient's needs, ranging from a single-layered ActionGuard to a triple-layered ActionGuard. | <ul style="list-style-type: none"> •Flexible •Tough •Full dental coverage •Customizable occlusal thickness | Pressured-formed soft EVA |
|  | TrioClear™ Clear Aligner | TrioClear is an innovative, triple-layered clear aligner designed to improve the process of orthodontic treatment and your patient's smile. The aligners are nearly invisible and provide a comfortable fit, elastic force retention, and stain and tear resistance. A rotation of Soft and Hard trays is used in every treatment plan to shift the teeth gradually. | <ul style="list-style-type: none"> •Triple-layered material •Increased gingival coverage •TrioDim Force™ technology •Minimal attachments •TrioClear iDesign Software •Supports Oral Health Safety •FDA-cleared | 100% Recyclable, BPA free |

SLEEP SOLUTIONS

| IMAGE | PRODUCT | DESCRIPTION |
|---|-------------------------|--|
|  | Respire Blue+ | Respire Blue+ is a custom, personalized mouthpiece that features a dual block design with interlocking wings. It works by keeping the airway open in any sleep position and allows for a wide range of mouth movement. |
|  | Respire Pink | Respire Pink features an ergonomic design with telescopic hardware that's fully personalized, ideal for people who experience teeth grinding. It works by allowing lateral and vertical movement, and opens up the airway for better airflow while holding the jaw in a position that prevents it from falling back. |
|  | The Moses® | This innovative device adds another dimension to oral-appliance therapy. An open anterior design combined with mandibular advancement protrudes the tongue and enlarges the airway. |
|  | The Moses® Elite | The Moses Elite was introduced as an alternative for bruxer patients. The VisiClear base is strong and flexible offering increased tongue space in a sleek design. |
|  | EMA* | FDA-approved EMA oral appliance increases airway space by advancing the mandible using interchangeable elastic straps. The EMA elastic straps can be easily changed, allow free lateral excursion, and are latex-free. |