



*Crafting Valuable Smiles*



*Dependable Quality. Sensible Price.*

Dental restorations done right and on time. These are the core guidelines and standards by which we operate our company.

## **OUR VALUE AS YOUR DENTAL PARTNER IS EVIDENT IN EVERYTHING WE DO.**

Value is the importance of something, the inherent worth. At Val-U-Dent Dental Laboratory, we hold this word in high regard and it defines our company. From the superior level of service we offer to our low-price, quality dental products—our value as your dental partner is evident in everything we do.

## **CONSISTENT CRAFTSMANSHIP YOU CAN TRUST.**

When you work with Val-U-Dent your prescription will be followed precisely and your case will be delivered on time. Our dedication to consistency, predictability, quality and service allows us to create the best restorations at prices that will maximize your profitability.

## **WE INVEST IN THE LATEST TECHNOLOGY AND STATE-OF-THE-ART EQUIPMENT.**

We are a full-service dental lab located in Wakefield, MA with a team of highly trained staff members and technicians. The use of CAD/CAM technology, partnered with our ability to accept digital impression scans from most systems, allows us to create outstanding dental prosthetics at economical prices. We offer a variety of restorative options and services, including PFMs, full-cast, all-ceramic, full-contour zirconia, dentures, partials, nightguards, digitally-enabled custom shade matching and comprehensive case planning.

## **COMMITMENT TO EXACTING STANDARDS.**

At Val-U-Dent, we dedicate ourselves to crafting prosthetics that adhere to your Rx requirements. To achieve this, we have nine quality checkpoints throughout the production process in order to provide the best accuracy, fit and function of the final results.

Val-U-Dent Dental Laboratory—crafting valuable smiles.



## *Fixed*

Val-U-Dent's conventional restorations are fabricated using the most advanced materials and techniques available on the market today. Utilizing rapid wax prototyping combined with CAD/CAM technology, our Certified Dental Technicians provide a high-quality restoration with excellent fit, function and esthetics.



## PFMs

Val-U-Dent traditional PFMs are fabricated using the most advanced materials available. Special attention is taken in trimming the dies, and your case is quality controlled every step of the way. Our PFMs can be used for crowns and bridges (up to fourteen units). PFMs can be manufactured with non-precious, semi-precious, titanium, yellow gold high noble and white gold high noble, and can be used in conjunction with cast partials and implants.

## CAPTEK™

Unlike traditional alloys, 22k Captek™ capillary attraction technology produces extremely dense and exceptionally strong porcelain understructures. It has been proven to reduce harmful bacteria and plaque deposits resulting in incredible compatibility with surrounding tissue. The Captek™ substructure is not cast, but pressed utilizing the APP system. This allows Val-U-Dent technicians to create each coping in a precise and consistent manner.

## FULL-CAST

The Val-U-Dent Dental Laboratory full-cast team is trained in the five step quality control process: Contacts, Occlusion, Margins, Anatomy and Finish. Gold crowns are resistant to oxidation, corrosion, plaque accumulation and are the most biocompatible restorative option available. Val-U-Dent's full-cast crowns can be fabricated using non-precious, semi-precious, titanium and gold.

## COMBINATION CASES

### SURVEYED CROWN

Our prosthetic crown yields more ideal contours than natural teeth and is used to support and retain extracoronal, clasp-type removable partial dentures.

### ERA ATTACHMENT

This is one of the most popular dental attachments prescribed today due to its proven performance and versatility of use. Our ERA attachments consist of a metal female component, which is fixed intraorally, and a replaceable, high density nylon male component anchored in the denture base.

### PD ATTACHMENT

This is our economical means of fabricating intracoronal tapered attachments for improved esthetics. The design ensures easy insertion and the pre-made plastic precision male & female dowels are interchangeable.



## *All-Ceramics*

For the past decade, Val-U-Dent Dental Laboratory has perfected the art of ceramic restorations. Our certified dental technicians have completed many training courses; both in-house and by expert trainers specializing in these highly esthetic, metal-free alternatives. Our all-ceramics offer superior strength and durability– from the single tooth restoration to a multi-unit posterior bridge. We look forward to working with you to provide the best-in-class solution that's sure to please your patients.

## IPS E.MAX®

IPS e.max® CAD and Press lithium disilicate materials are biocompatible, glass-ceramics that offer your patients a stronger and more esthetically consistent restoration. With over 360 MPa in strength and outstanding marginal accuracy, this all-ceramic will provide superior predictability and consistency for your patients. It is ideal for 3-unit bridges (up to the 2nd molar) and full-coverage crowns.

## IPS EMPRESS®

IPS Empress® leucite-reinforced, pressed ceramic offers an alternative to traditional, metal-supported ceramic restorations. With more than 20 years of proven experience in the business of metal-free restorations, IPS Empress® has proven to be one of the top choices among leading clinicians worldwide.

## ZIRCONIA

At Val-U-Dent we use both Lava™ and Pearl® for your zirconia restorations. Lava™ is a high-tech ceramic material that is characterized by its outstanding stability and biocompatibility. The Pearl® zirconia offers 1,200 Megapascals of flexural strength and no linear cracking. Both of these materials display excellent esthetics and precise fit characteristics. We also offer a full selection of other industry-leading zirconia options for fabrication of your restorations.

## BRUXZIR®

When seeking uncompromising esthetics and vitality that replicates the beauty of natural dentition, BruxZir® restorations from Val-U-Dent deliver some of the strongest and most esthetic all-ceramic crowns and bridges to date. Produced with the latest CAD/CAM technology, BruxZir® restorations combine the natural dentition characteristics your patients demand with the exceptional marginal fit you require. We also offer other full-contour zirconia solutions, such as Pear FC Zr® and Zirlux™.

## SINFONY™

Sinfony™ is a microhybrid composite designed to build and layer like porcelain. This allows Val-U-Dent's technicians to apply each shade with the utmost accuracy for consistent esthetics. Sinfony™ possesses the inherent advantages in flexibility, impact strength and color stability. Sinfony™ is indicated for inlays, onlays, veneers and full-coverage crowns.

## PROVISIONALS AND CAD/CAM PROVISIONALS

Provisionals can be used to provide a temporary restoration that exhibits lifelike esthetics that rival natural teeth. Using CAD/CAM technology and a specially-processed, heat-cured acrylic, CAD/CAM provisionals from Val-U-Dent offer a hygienic solution that is durable and prevents liquid absorption.



## *Removables*

Our team of appliance technicians is trained to work on even the most complex cases. Each prosthetic we create exemplifies our dedication to superior craftsmanship and is fabricated to achieve optimal fit and comfort.



Top of the line cosmetic advancements enable us to deliver results that **exceed your expectations, at a fraction of the cost.**

### DENTURES/ACRYLIC PARTIALS

All Val-U-Dent dentures are fabricated with the revolutionary Ivocap Processing System for high impact, comfort and precise fit. The dentures are created using any of the following premium teeth: Trubyte® IPN®, Ivoclar Vivadent Teeth, Portrait®, Bioblend® and Bioform® combined with the most popular tooth shades (Vita® Classic and Bioform®). All types of premium teeth are available. Our partials are fabricated with a plastic, acrylic or vinyl base and have the appearance of natural tissue. They are a solid choice for a transitional or temporary appliance.

### CAST PARTIALS

Our experienced Val-U-Dent technicians can fabricate cast partials in a variety of metals to fit your patients' specific needs. These materials can be combined with various types of attachments and clasps for optimal esthetic results.

### FLEXIBLE/COMBINATION PARTIALS

Val-U-Dent thermoplastic options are ideal for any removable partials, unilateral partials and combination partials with cast metal frames. Recommended for patients with allergies and periodontal problems, our flexible dentures and partials are monomer-free and are guaranteed against breakage. Some of our most popular offerings include Valplast®, VisiClear™ Clasps, Acetal Resin and AcraSmile.

### NIGHT/SPORTGUARDS

Our custom designed nightguards are an ideal solution for patients with TMJ or patients who display increased tooth wear due to bruxing or clenching. Our sportsguards have a competitive advantage over boil-and-bite mouthguards due to their superior fit, retention and high level of protection.

### ADDITIONAL SERVICES

Every case is unique and we offer specialized services such as relines and emergency/same-day repairs to ensure we provide you with the best products. We also offer the LaserStar® Welding System that is used on dental prosthetic connections to create excellent seam welds and eliminate thermal expansion.



# *Implants*

Val-U-Dent Dental Laboratory offers a comprehensive, customizable dental implant department. Our team is very knowledgeable in implant parts and we offer a vast selection of material combinations for every implant requirement. With our complete line of offerings, you will be able to successfully create custom solutions to match your patients' specific needs.

## ABUTMENTS

We work with most major abutment manufacturers and brands, including Inclusive® Implant Abutments, Biomet 3i™, Astra Tech Atlantis™, Zimmer®, Straumann®, Nobel Biocare™ and many others. We also can provide stock abutments when needed. We provide a comprehensive range of the highest quality, custom CAD/CAM abutments, including titanium, zirconia and titanium with gold nitride coating. A natural-looking emergence profile is precisely milled and margin contours are designed to ensure ideal esthetics and excellent gingival health.

## SCREW-RETAINED CROWNS AND BRIDGES

These devices allow for individual customization regarding function and are removable for inspection and repair. The prosthetics can be cast from metal, or CAD/CAM designed and milled from a solid block of zirconia. We then layer the products with porcelain and apply a final glaze to create a crown or bridge with a high level of esthetics.

## TITANIUM MILLED BARS

Created by a state-of-the-art scanning and milling process, these one-piece milled titanium alloy structures eliminate the potential for weakness that may be caused by soldering or laser welded joints. The result is a more durable, passive restoration with fewer procedures. The milled bars are available for implant overdentures, fixed-hybrid prosthesis and fixed bridgework that can be implant level or tissue level using transmucosal abutments.

## ATTACHMENT SYSTEMS

The bar attachment system provides dental practitioners with the best possible attachment choice for implant-retained bars. The attachments feature a low height of abutment restoration, and their self-aligning properties make them easy for patients to use. The Hader Bar is a semi-resilient system that employs an individual custom-made bar with retentive sleeves that fit into an opposing prosthesis. Both systems provide solid function for lip and esthetic support.

## ALL-ON-4

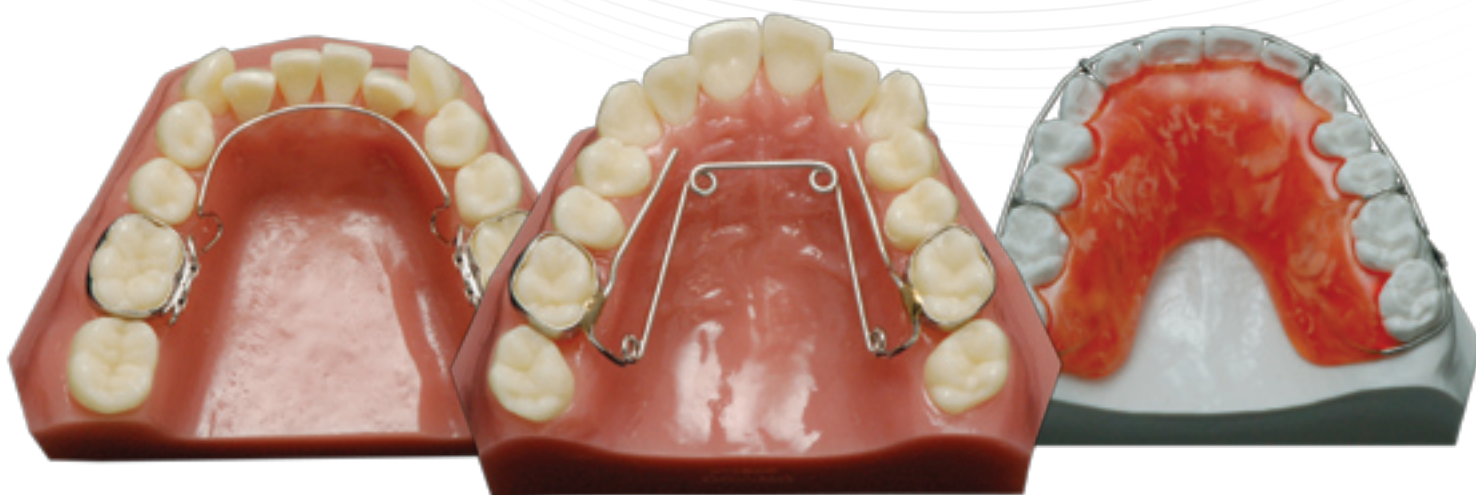
The All-on-4 treatment concept was developed by Nobel Biocare® to provide edentulous patients with an efficient and effective restoration using only four implants to support an immediately loaded full-arch prosthesis. The restorations offer stability, prosthetic flexibility and improved patient satisfaction.

## STRAUMANN® GUIDED IMPLANTS

These have a special transfer mount that fits with the surgical sleeve for fully guided implant insertion, including physical depth control with the stop key. At Val-U-Dent Dental Laboratory, we use these in conjunction with the coDiagnostiX planning software and surgical templates produced with the gonyX.

## STENTS

Our technicians produce an individual surgical stent for each patient that will help direct the implant placement. Our surgical stents provide the specific site(s) and the angulations for the implant placement—ensuring that the restoration will fit precisely together with the implant for superior results.



# *Orthodontics*

Val-U-Dent offers a selection of more than 150 high-quality appliances, all offered at reasonable prices. From the simple band and loop space maintainer to the most complicated functional appliances, we are able to fulfill the needs of your practice.



## RETAINERS

These devices are used to stabilize dentition in the correct position during the period of functional adaptation following corrective treatment as well as maintain the position of teeth and jaws established by orthodontic procedures. At Val-U-Dent, we have a vast selection of retainers in order to best fulfill your needs.

## EXPANDERS

Expanders are used to assist in the correction of cross-bites, anterior/posterior crowding, and increasing the arch width and length development of a patient. We offer a wide selection of fixed and removable expanders, including the Haas, Quad Helix and Super Screw.

## DISTALIZING APPLIANCES

We offer a variety of distalizing appliances to correct malocclusions of the primary molars, including the Pendulum, Pendex and "Frog" appliances.

## SPACE MAINTAINERS

These are designed to maintain the space of early tooth loss with future eruption in mind and each space maintainer is custom fit to your exacting specifications. We use the Lingual Arch, Nance Button, Transpalatal Arch and Band & Loop.

## WILSON 3D APPLIANCES

At Val-U-Dent, we use the Wilson 3D series of wire systems to enhance the efficiency of our orthodontic fixed appliances. The arch helps assist in controlling the movement of molars/incisors and further aids mandibular treatment.

## FUNCTIONAL APPLIANCES

These appliances from Val-U-Dent help develop the dental arches so that all the permanent teeth can erupt, which ensures an outstanding profile. We carry the top, clinically-proven designs, including the Standard Twin Block, Bionator and the McNamara Block.



# *Technology*

With CAD/CAM technology, we are able to increase both the productivity as well as the quality of our dental restorations. We have the capabilities and experience to accept digital impression scans from Lava™ C.O.S, Sirona CEREC®, and Cadent Itero™, and our high-tech machines and software allow us to create consistently precise prosthetic results.

Our online case submission system allows for rapid and accurate designing and milling of your restorations. Visit [www.val-u-dent.com](http://www.val-u-dent.com)

### DIGITAL IMPRESSION SYSTEMS

Precise-fitting restorations are made easy with digital impression systems. Designed to save time by eliminating the need for tedious traditional impressions, they provide a better patient experience and save your practice money. With incredibly accurate scans, the need for chairside adjustments is drastically reduced. These systems also allow for real-time image viewing, making for a more engaging and educational experience for your patient.

### DENTAL SCANNERS

At Val-U-Dent we use the 3Shape Scanner, inEos® and the Dental Wings Scanner as part of our streamlined dental production system. We are able to quickly scan objects with incredible accuracy and superb detail. These innovative CAD/CAM solutions allow for the design of a full range of precisely fitting restorations—from copings, bridge frameworks, anatomical modeling, inlays, onlays, to veneers, pressed ceramics, customized abutments, implant bars and bridges, wax-ups, crowns and more. The speed and efficiency of these scanners enable us to provide quick turn-a-round times while still maintaining the highest level of quality.

### MILLING MACHINES

At Val-U-Dent we create restorations that exhibit exceptional fit and esthetics. We cater to your chosen indications and we use the latest and best in milling technology for our dental restorations including Pentarch™, Wieland Zenotec T1, Wieland Zeno 4030 M1, Katana H-18 and Haas VF-2TR. These multi-axis, CAD/CAM systems create complex angles and intricate designs in order to fabricate more precise products.

### IMPLANT TREATMENT PLANNING

Val-U-Dent is proud to use the EasyGuide™, NobelGuide™, Straumann® gonyX Table and the Straumann® CoDiagnostiX systems that allow for superior prosthetic results. Using these revolutionary processes, we provide complete treatment solutions that include diagnostic, prosthetic-driven treatment planning and guided implant surgery.

### OTHER TECHNOLOGY

The dental world is always changing and, in an effort to stay ahead of the curve, we invest in the latest technologies, which allow us to maintain the reliability and value of our restorations. In addition to the rest of our technology, we use rapid prototyping, the Laserstar® Welding System, and Ivoclar Processing to fabricate high-quality restorations. These systems ensure low remake rates and consistent results for you and your patients.


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