



MODERN

Dental Laboratory SG

Your No.1 Dental Lab Partner in Singapore





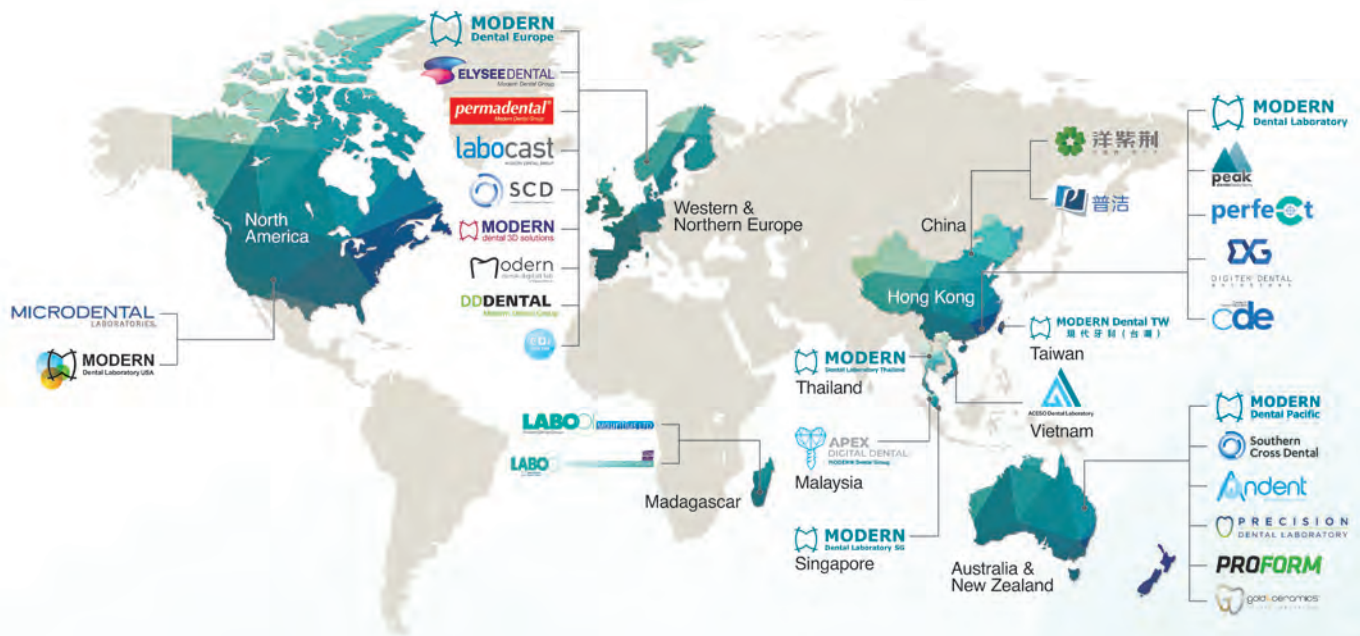
Modern Dental Group Limited

Modern Dental Group Limited (Stock Code: 3600.HK) was incorporated in 1986 with the vision of providing Hong Kong and Macau supreme quality dental restorations that both the patient and dentist can trust. Through years of hard work, we have gained an international reputation and are now providing prostheses to more than 25 countries. With our large support network, we continuously strive for innovative ways to provide you with increasingly aesthetic restorations. For almost 4 decades, we have built our reputable brand by focusing on our reliability, service and quality. All raw materials that are used in the fabrication of your dental prostheses are either CE marked, FDA, or SFDA approved to ensure safety and quality control.

Modern Dental Laboratory Singapore offers the ultimate one-stop digital dentistry solution to dental professionals across Southeast Asia. Our comprehensive lab product range encompasses implants, removables, orthodontics, crown and bridges. We are here to elevate your dental practice and let you experience the epitome of digital dentistry under one roof.

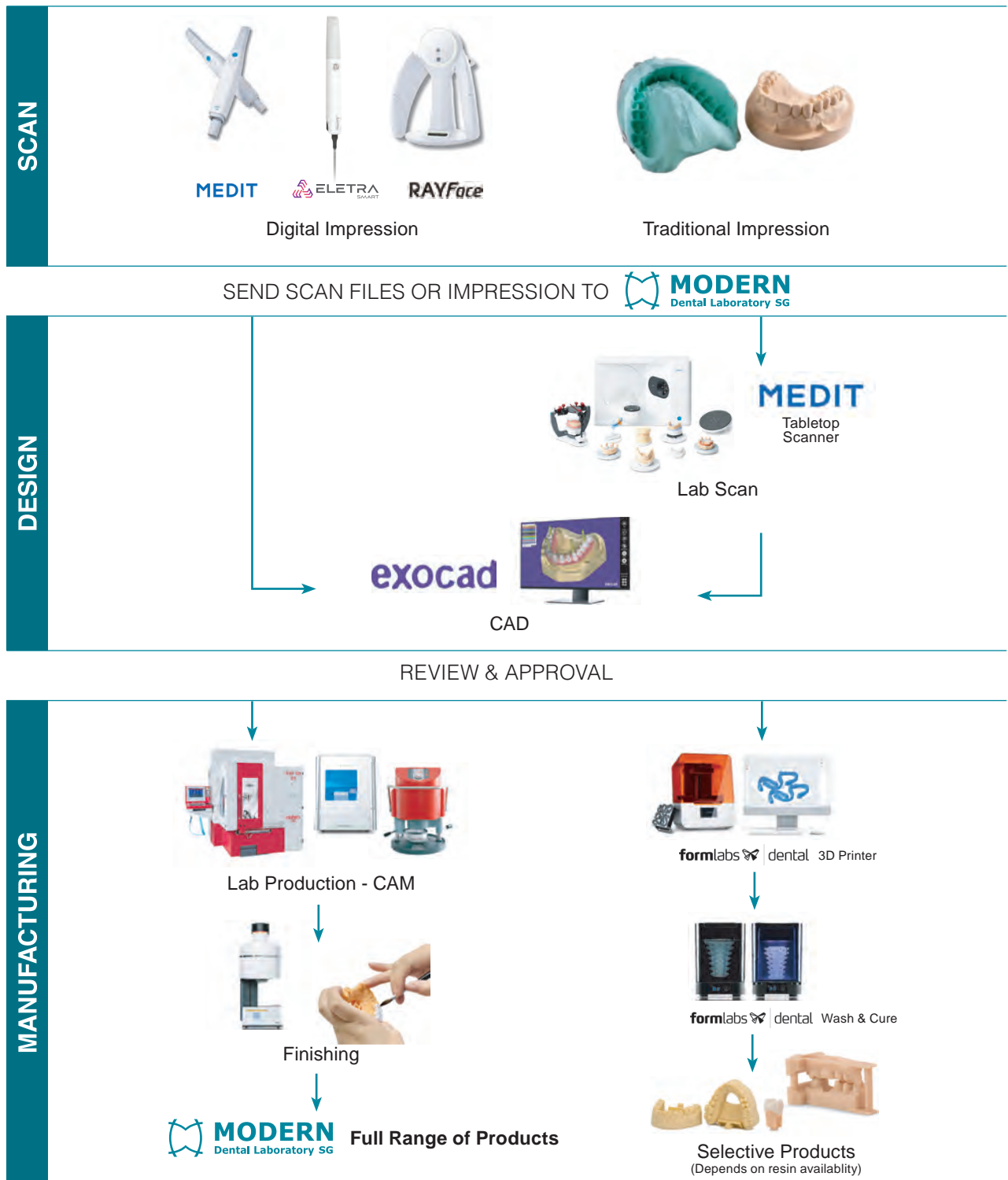
Contact List

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ACCOUNTING	acct.mdsg@moderndentallab.com










Modern Dental Group is a leading global dental prosthetics provider, distributor and consultant offering the ultimate one-stop digital dentistry solution for more than 30,000 customers in more than 25 countries including Europe, North America, Greater China and Australia. In year 2018, we launched our services in the Southeast Asia market including Singapore, Taiwan, Malaysia and Thailand.

Our Digital Workflow



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Improve Aesthetics

Excellent Fit

FDA Approved Materials

Crowns & Bridges

Crowns can be made out of a variety of materials. The most commonly used materials are porcelain, porcelain fused to metal, gold and zirconium. We provide all major dental crown materials for your selection.



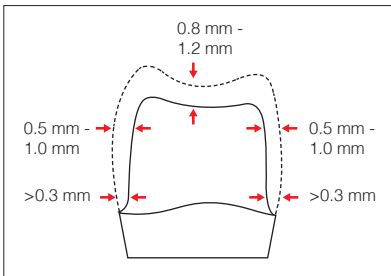
Name	Material & Property	Strength	Shade
FMZ Restoration (Non-layered)	High Translucent Zirconia	~1100MPa	16 shades
FMZ Restoration (Layered)	High Translucent Zirconia	~1100MPa	16 shades
FMZ Ultra Restoration (Non-layered)	Ultra-High Translucent Zirconia	~600MPa	20 shades
FMZ Ultra Restoration (Layered)	Ultra-High Translucent Zirconia	~600MPa	20 shades
Calypso Restoration (Layered)	Zirconia with Porcelain	~1200MPa	8 shades
e.max Ceramic Restoration (Non-layered)	Lithium Disilicate	360-400 MPa	20 shades
e.max Thin Veneers (Layered)	Lithium Disilicate	360-400 MPa	20 shades
Lava Plus Restoration (Non-layered)	High Translucent Zirconia	1200MPa	16 shades
Lava Plus Restoration (Layered)	High Translucent Zirconia	1200MPa	16 shades



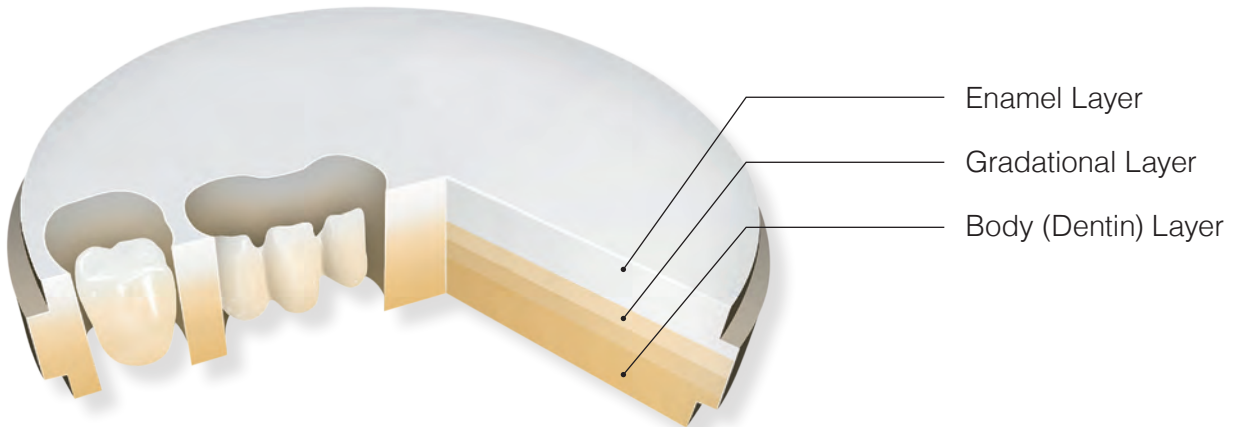
High Strength

Highly Versatile

Aesthetic



The unique formula of FMZ's high translucent zirconia provides stunning results even without porcelain layering. Since porcelain is not required, FMZ can be as thin as 0.8mm, which allows clinicians to perform minimal preparation while maintaining a high strength. It is also highly versatile and can be used for all types of restorations. For anterior application, we recommend applying labial porcelain for improved aesthetics.





 Crown/
Inlay / Onlay

14

 Bridge


 Screw Retained
(Crown & Bridge)


 Strength
~100Mpa


 16 Shades

FDA
 FDA Approved

* Labial porcelain is recommended for anterior application.

FMZ Ultra



High Strength

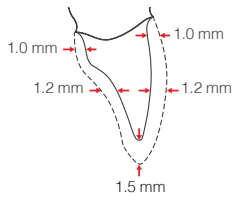
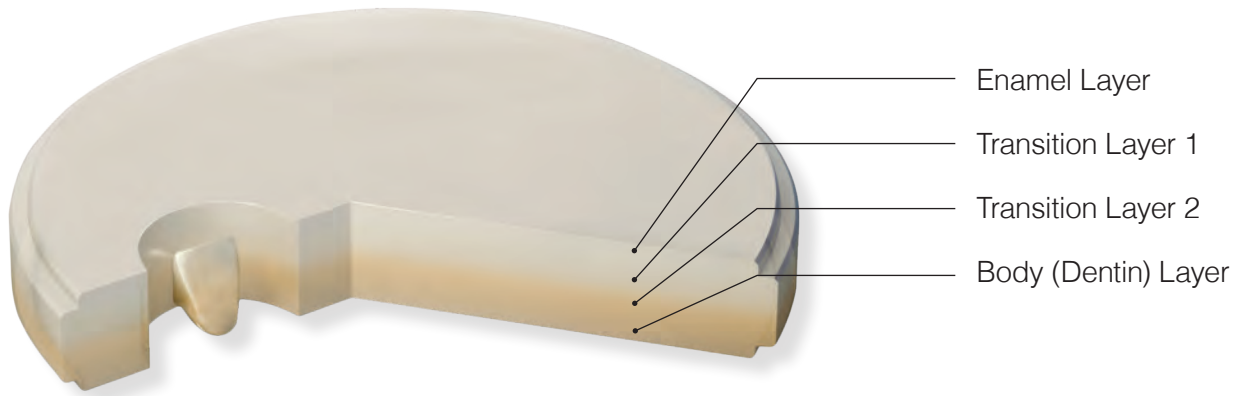
Outstanding Translucency

Highly Aesthetic

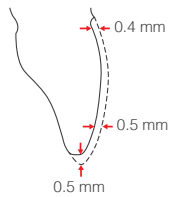
For patients with even higher aesthetic demand and requires strength, FMZ Ultra is the solution. This revolutionary material has outstanding translucency while maintaining a high strength of ~600MPa. Also, it is more gentle on the opposing dentition compared to traditional zirconia. FMZ Ultra is an ideal choice for anterior, posterior crowns and bridges up to 3 units*.

* Up to 2nd premolar.
Pontic width maximum 9mm and 11mm for anteriors and premolars respectively.

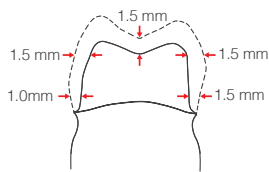




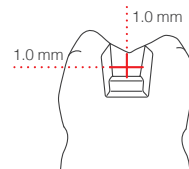
Crown, anterior



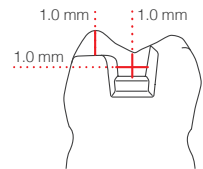
Veneer



Crown, posterior



Inlay



Onlay

Calypso™






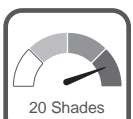


Natural dentine is translucent while metals are not. The translucent zirconia inner core of Calypso™ allows it to achieve much improved aesthetics compared to traditional prosthetic options. The strength of zirconia also allows Calypso™ to be used in long span bridges where other full ceramic options can sometimes fall short.





Lithium Disilicate (LS2) glass-ceramic is ideally suitable for the fabrication of monolithic single tooth restorations. This innovative ceramic provides highly aesthetic results while maintaining a strength of 360-400 MPa. For anterior applications and where the preparation space is sufficient, we apply incisal porcelain for improved aesthetics.



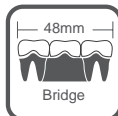
 Crown*/ Inlay / Onlay	 Bridge**	 Screw Retained (Crown)	 Veneer
 Strength 360-400 Mpa	 20 Shades	 FDA Approved	 CE Marked

* Single crown for molar
 ** Up to 2nd premolar. Pontic width maximum 9mm and 11mm for anteriors and premolars respectively.

Lava™ Plus

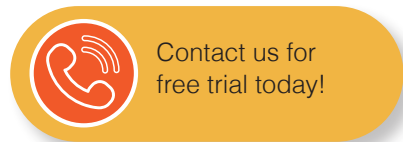


Trusted globally, this high translucency zirconia block from 3M ESPE produces aesthetic restorations without compromising strength and durability. For anterior applications, we recommend applying labial porcelain for improved aesthetics.











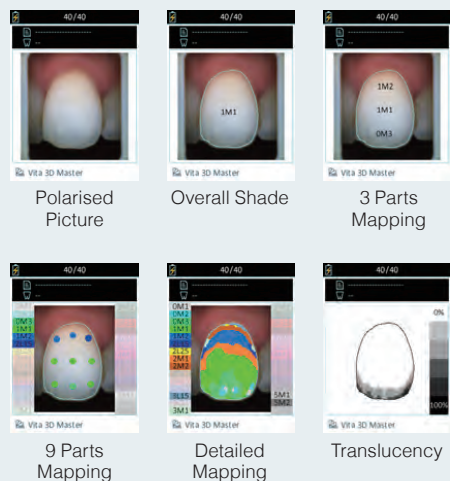
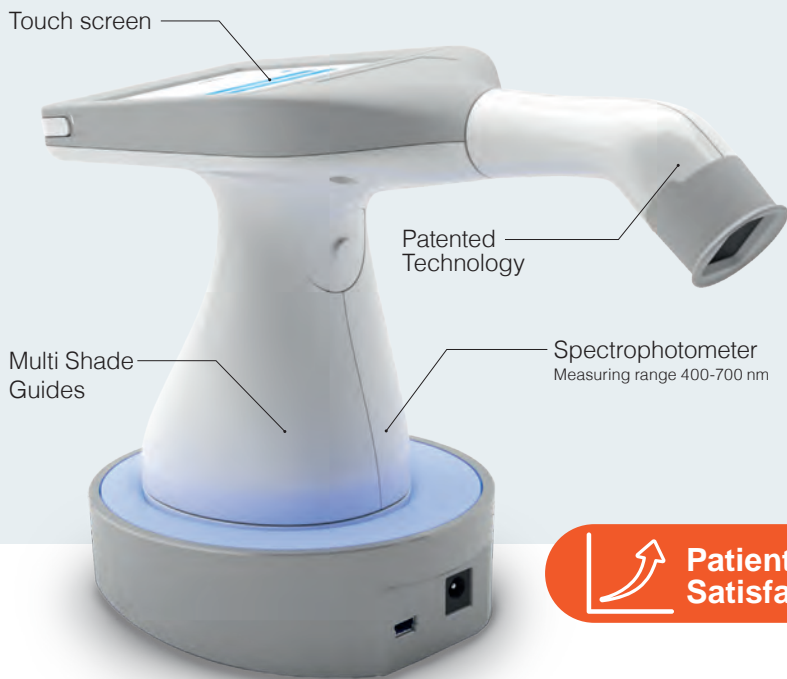
* Labial porcelain is recommended for anterior application.

RayPlicker™




The RayPlicker™ is an easy-to-use shade matching device. It allows you to perform an easy, reliable and repeatable high quality dental color analysis that determines brightness, saturation, chromaticity, and translucency of the tooth. This device is intended for dental surgeons as well as dental laboratories. With its software, Raylicker™ solution is a real innovation for transmission protocol of aesthetic parameters of a tooth. Indeed, it allows transparent and permanent interaction between dentists and laboratories via the RayPlicker™ Service Pack.

-  **Time saving & profitability**
A complete color analysis in a few seconds.
High Return on Investment.
-  **Accuracy**
Ultra accurate pixel analysis.
-  **Reliability**
Patented technology offering objectivity and repeatability.
-  **Hygiene**
Protective sheaths, sterilizable calibration tips.
-  **Digital files**
To ensure better traceability and sharing without loss of information.
-  **Ergonomic**
Touch screen, miniaturized measuring head.
-  **Plug & Play**
Self calibration of the device.
A unit designed for the ease of use.
-  **Flexibility**
Configure the shade guide of your choice.
Up to 4 user profiles.



Scan to view the video

FMZ Express Service



Contact us for more details and cut-off time!



Modern Dental Laboratory Singapore provides express service to meet your urgent needs for crowns. Our express service for FMZ crowns is available as fast as 1 working day!*



*Subject to availability. Express service charges will be incurred.

Shade Matching Service

High Accuracy

Use of Multiple Shade Guides

Use of Digital Device

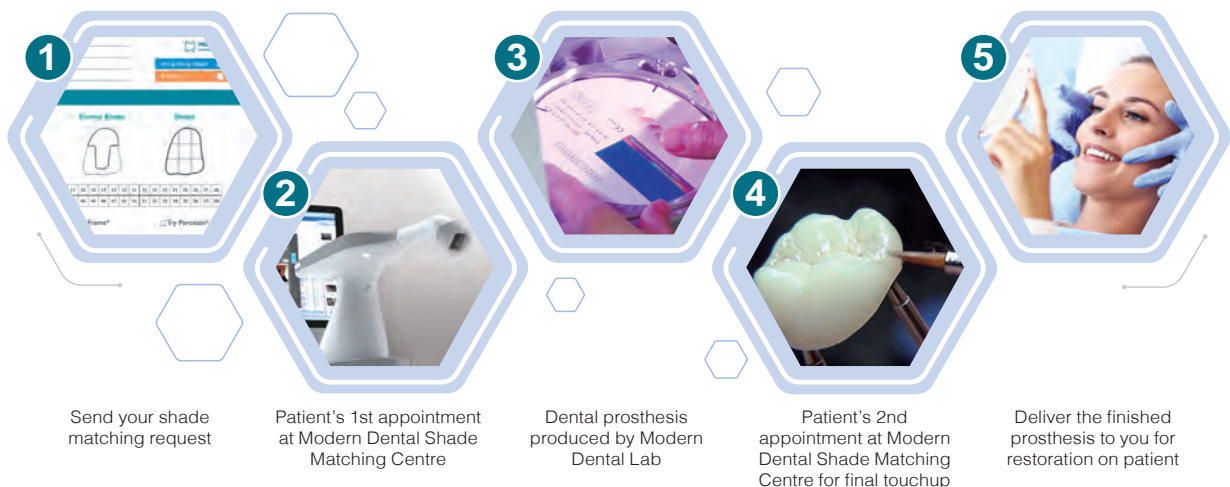


Shade Matching Centre

Modern Dental Lab Singapore
1092, Lower Delta Road, #01-06/07
Singapore 169203

Modern Dental Shade Matching Service is provided by qualified technicians with relevant dental bionic aesthetic knowledge and extensive clinical experience. With advanced technology and high-quality materials, we will offer you and your patient a prosthesis with desired color and function.

Shade matching workflow at Modern Dental Shade Matching Centre





Implants

For All Common Implant Systems

A Wide Range of Restoration for All Indications

Customized Abutment

Dental implants are a great alternative for natural teeth replacement. Strong and stable, they can restore a lost tooth and can look, feel, fit and function like a natural tooth. This procedure has become a popular option in dental reconstruction.

Custom implant abutments are installed onto dental implants for the support of implant prosthetics. They are typically made of titanium, ceramics or a combination of both.

We provide a wide range of abutments designed to successfully meet all implant indications. We also introduce the latest innovation in implant dentistry to the market regularly, MTX abutment is one of our latest solutions which allow to place screw access hole between 0° to 25° in a 360° radius.



Metal Surgical Guide

Our new released metal surgical guide has noteworthy advantages. It offers increased resistance to breakage during drilling, making it thinner and more suitable for small vertical distances (VD). Moreover, it allows for easier verification of the guide's complete seating and requires less tooth coverage. The inclusion of irrigation / cooling holes is also possible without the risk of breakage, and there is no abrasion residue inside the guide area.



3D Printed Metal Surgical Guide

- Stronger than ever
- Avoid the pain points of resin surgical guide

Digitek Abutment

Custom-milled Titanium Abutments

Individual Hybrid-abutments

Gold-anodized Titanium Abutments



Custom abutments allow clinicians a higher degree of freedom when placing implants in difficult situations without the hassle of navigating with the plethora of prosthetic components. With customization, a constant distance from the margin of the abutment and the gingival margin in 360° is possible.



Digitek Titanium Abutment

Individually designed and individually manufactured, Digitek Titanium Abutment are machined from Titanium-5 alloy (Ti-6Al-4V) to serve this purpose. Combined with advanced 3D design for a natural emergence profile and high precision 5-axis milling for the perfect fit, Digitek Titanium Abutment provides one component solution. The abutment can also be machined in an anatomical shape for porcelain veneering (CTE 10.3).

Digitek Abutments (Customized Solutions)

Digitek Abutment (Ti / CoCr)

MTX - Angulation of Screw Channel (Ti / CoCr / Zirconia)

Digitek Screw Retained Crowns (Including Custom Abutment)

Digitek Full Metal Implant Crown (Ti / CoCr)

Porcelain/ Composite fused to Digitek Customized Abutment (Ti / CoCr)

Digitek Abutment Compatibility Chart

Brand	System	Platform	Digitek ¹ Abutment/ Bar/ Bridge	MTX Zir	MTX Ti / CoCr ¹ Digitek
Nobel Biocare	Replace (NR)	NP	✓	✓	✓
		RP	✓	✓	✓
		WP	✓	✓	✓
		6.0	✓	—	✓
	Active/Conical (NA)	3.0	✓	—	—
		NP	✓	✓	✓
		RP	✓	✓	✓
	Branemark (NB)	WP	✓	—	✓
		NP	✓	✓	✓
		RP	✓	✓	✓
	MUA (NU)	WP	✓	—	✓
		RP	✓	—	✓
	On1 (NO)	NP	✓	—	—
		RP	✓	—	—
WP		✓	—	—	
Straumann	Tissue Level (ST)	NNC	✓	—	✓
		RN	✓	✓	✓
		WN	✓	—	✓
	Bone Level (SB)	SC	✓	—	—
		NC	✓	✓	✓
		RC	✓	✓	✓
	Screw-Retained Abutments (SBU)	3.5	✓	—	✓
		4.6	✓	—	✓
	BLX (SX)	RB	✓	—	✓ ²
		WB	✓	—	✓ ²
Megagen Dentsply	Anyridge (MA)	—	✓	—	—
	AstraTech OsseoSpeed (DA)	3.0	✓	—	—
		3.5/4.0	✓	✓	✓
		4.5/5.0	✓	✓	✓
	UniAbutment (DAU)	20°	✓	—	✓
		45°	✓	—	✓
	AstraTech EV (DV)	3.6	✓	✓	✓
		4.2	✓	✓	✓
		4.8	✓	—	✓
	UniAbutment EV (DVU)	Straight	✓	—	✓
	Multi base (DVM)	Straight	✓	—	—
	Frialit/XIVE (DX)	3.4	✓	✓	✓
		3.8	✓	✓	✓
		4.5	✓	—	✓
5.5		✓	—	✓	
Ankylos (DY)		C/X	✓	—	—
Osstem	TS (OT)	Mini	✓	✓	✓
		Standard	✓	✓	✓
Dentium	Superline (DTS)	—	✓	—	✓
	Screw Abutment (DTU)	4.5	✓	—	✓
		5.5	✓	—	✓

1. One-piece design, precision machined in titanium, CoCr (without metal base)

2. Genuine screw included, use Straumann Angled Solutions Screwdrivers for installation

MTX Abutment



Our unique Multi-Axial (MTX) technology provides dentists another option in implant restorations. MTX allows the possibility of an angulated screw channel of up to 25°. This allows for screw-retained implant restorations in areas such as the maxillary anterior teeth, resulting in the screw channel being placed aesthetically on the palatal side and eliminating the possibility of residual cement.



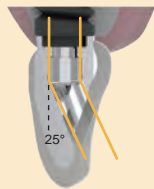
Hexalobular Head



An adaptor is required to attach the MTX screwdriver. We can supply the adaptor if your implant system does not provide them. Alternatively, you may torque using a slow handpiece.



With a straight screw channel, not only are the aesthetics compromised, but also the structural strength since the thickness of the porcelain is affected as well.



With MTX Technology, the screw channel is able to be angulated. This has the result of improving the aesthetics and also the design of the porcelain.



MTX Implant Bridge

Our MTX Collection is compatible with all major implant platforms, apart from single unit, MTX is also available for implant bridges and hybrid framework in different materials.

Cement Retained Restorations & Screw Retained Restorations

Cement Retained Restorations

Our implant solutions include a wide range of abutments designed to successfully meet all implant indications. Depending on the situation, a customized abutment can provide a better emergence profile while improving support to the prosthesis. For full ceramic restorations, the translucency of the crown or bridge material needs to be considered when selecting an abutment to ensure that the aesthetic outcome is not compromised.

Cement Retained Restorations

Metal Restorations

Adding Metal Crown / Metal Bridge on Abutment

Porcelain fused on Metal Restorations

Adding Porcelain / Composite Crown / Bridge on Implant Abutment

Zirconia

Adding Monolithic Zirconia Restoration on Implant Abutment (Non-Layering)

e.max

Adding Monolithic e.max Ceramic Restoration on Implant Abutment (Non-Layering)

Lava

Adding Monolithic Lava Plus Restoration on Implant Abutment (Non-Layering)

Adding Lava Plus Restoration on Implant Abutment (With Layering)

Screw Retained Restorations

It is always nice to have the option to easily remove an implant crown or re-tighten the screw if the need arises. Screw retained restorations eliminates the risk of residual cements. We can fabricate single to full arch screw retained restorations with a zirconia or metal framework depending on your preference.

Screw Retained Restorations

Metal Restorations

Adding Metal Crown / Metal Bridge on Abutment

Porcelain fused on Metal Restorations

Adding Porcelain / Composite Crown / Bridge on Implant Abutment

Cast / Modify Implant Abutment

Cast Hybrid Implant Framework

Zirconia

Adding Monolithic Zirconia Restoration on Implant Abutment (Non-Layering)

Adding Zirconia Restoration on Implant Abutment (With Layering)

e.max

Adding Monolithic e.max Ceramic Restoration on Implant Abutment (Non-Layering)

Lava

Adding Monolithic Lava Plus Restoration on Implant Abutment (Non-Layering)

Adding Lava Plus Restoration on Implant Abutment (With Layering)

Implant Restorations – Partial and Full Arch



PermaForm - Fixed Denture System

This full arch restoration is designed to deliver a superior product with a unique set of advanced features. Each monolithic crown (Full zirconia, e.max[®] or Vita Enamic[®]) is digitally designed. Therefore, compared to a traditional bridge, the crowns can be individually replaced should any become damaged later on. Our special anodized pink coloured framework is almost invisible under the artificial gums and gives a natural colour tone for the ceramic restoration on top. Finally, a protective layer seals the restoration, reducing staining and plaque adhesion.

Fully Customized - Crowns on Framework

For patients who want the ultimate fixed restoration, we can start with a fully customized metal or zirconia framework. Each individual crown is then made according to the patient's needs in any material desired. Finally the fully customized gingival covers the framework and completes the prosthesis.

Implant Overdentures

For patients who prefer or require a removable restoration, we can produce overdentures combined with a variety of connectors and bar designs to suit their needs.

Digitek Screw Retained Implant Bridges

Implant Bars and Bridges

Digitek Hybrid Implant Framework (Ti / CoCr)

Digitek Implant Bar (Ti)

All-on-4[®]

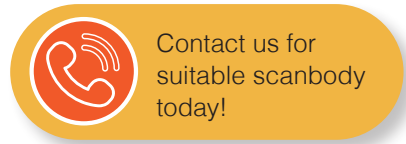


Temporary Restorations

- Temporary restoration within 48 hours
- Wide range of choices for final restoration

All-on-4[®] refers to the use of a minimal of 4 implants to restore patients who have lost most, if not all of their teeth. It allows an easier way to achieve this goal with less incisions and shortened healing time. Many restorative options are possible for All-on-4[®] prosthesis. And one of the most efficient method involves fabricating a fully milled titanium bar which is then finished with acrylic teeth and acrylic/composite gums.

Digital Scanbodies & Intraoral Scanners



With the advent of intraoral scanners, we are now providing autoclavable scanbodies for a wide range of implant brands. This will eliminate the need for traditional impression copings and impression materials. We are also able to provide intraoral scanners at a discounted price. With our technical lab support, we can provide you a full digital workflow from start to finish.

Brand	System	Platform	MDL Scanbody
Nobel Biocare	Replace (NR)	NP	✓
		RP	✓
		WP	✓
		6.0	✓
	Active/Conical (NA)	3.0	✓
		NP	✓
		RP	✓
	Branemark (NB)	WP	✓
		NP	✓
		RP	✓
	MUA (NU)	WP	✓
		RP	✓
Straumann	Tissue Level (ST)	NNC	✓
		RN	✓
		WN	✓
	Screw-retained Abutment	3.5	
		4.6	
	1.5 Abutment (STU)	RN	✓
	Bone Level (SB)	SC	
		NC	✓
	BLX	RC	✓
		RB	
WB			
Megagen	Mini	—	
	AnyONE	—	
	Anyridge (MA)	—	✓
Dentsply	AstraTech	3.0	✓
	OsseoSpeed(DA)	3.5/4.0	✓
		4.5 / 5.0	✓
	UniAbutment (DAU)	20°	✓
		45°	✓
	AstraTech EV (DV)	3.6	✓
		4.2	✓
		4.8	✓
		5.4	✓
	Astra OsseoSpeed EV Uni	Straight	
Frialit/XIVE (DX)	3.4	✓	
	3.8	✓	
	4.5	✓	
	5.5	✓	
Osstem	Ankylos (DY)	C/X	✓
	TS (OT)	Mini	✓
		Standard	✓
Dentium	Superline/ Implantium (DTS)	—	
	Screw Abutment (DTU)	4.5	



Medit i700 intraoral scanner is available at our lab. Please refer to P.60

Surgical Guide



Accurate Implant Placement with Immediate Temporization[#]

The application of computed tomography (CT) and the use of computer software in implantology have significantly increased in the last several years. With the latest technology, guided implant surgery is the new standard to achieve accurate, predictable, and safe implant placement. It provides greater patient satisfaction and simplifies the treatment process.

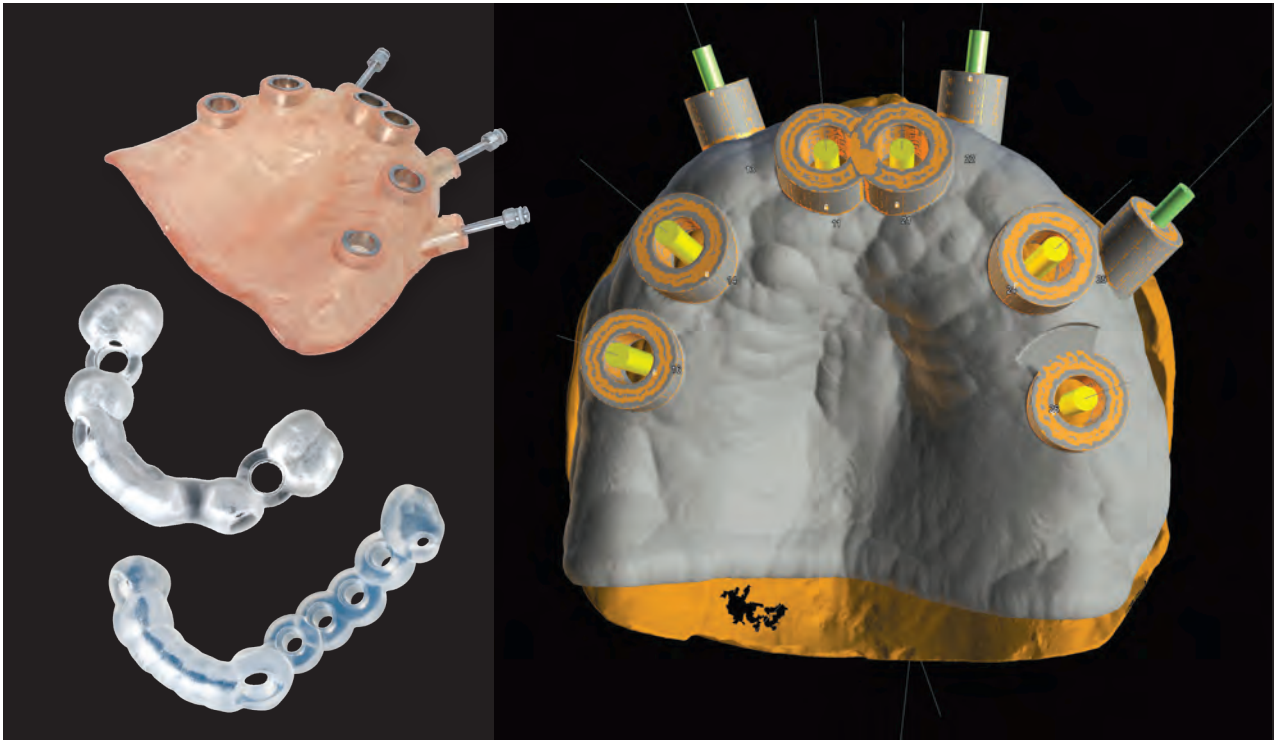
Our in-house implant experts are equipped with the latest surgical planning software to guide you through the treatment planning process. Once we receive your approval on the treatment plan, a high precision surgical guide is fabricated from a compatible material using our state-of-the-art 3D printers. If the situation allows, we can optionally produce the temporary crown or bridge, which will be delivered with the surgical guide.

 By Dentist

 By Modern Dental Laboratory

* Please contact us for further information

The clinician is solely responsible for deciding whether immediate temporization is suitable



We can fabricate different types of surgical guides:

- Single implant to full arch reconstruction
- Tissue supported or bone supported
- Sleeve or sleeveless
- Option of occlusal window
- Support different implant systems and guided surgical kit



Less Invasive

Budget-friendly

Easy to Clean

Removables



Removable denture has been a cornerstone of dentistry for centuries to restore missing teeth. A denture is made of dental resins, sometimes reinforced with a metal framework, in combination with artificial teeth.

We provide a variety of dentures and partials, with and without metal frameworks, to suit the needs of your patients. Our range of products enables you to balance aesthetics and cost to offer your patients a top-quality product at an affordable price.

Denture Frameworks

CoCr Partial Framework

ReSure Partial Framework

CoCr Full Plate

Titanium Partial / Full Framework

EVO

FUSION

Digital Denture

Removable Prosthetics

Maximum Freedom

Digital & Accurate

**NEW
RELEASED**





What is Evo Fusion Denture?

The Evo Fusion Denture uses innovative manufacturing processes and state-of-the-art materials. The individually designed dental arch is milled from high-strength multilayer discs. The also individually designed pink base is precisely milled from breakage-resistant material. Both components are bonded by experienced dental technicians with a thin liquid polymerizate in a proven procedure. Then the prosthesis is finished off according to the rules of the art with optimal aesthetics as a result.

Why choose Evo Fusion Denture?

1. The entire production process is digital. This means predictable, accurate, consistent and reproducible.
2. By using high-quality materials, eliminating manual errors, EVO Fusion prosthetics have a better fit.
3. For reproducibility of the prosthesis, patient-specific digital data is automatically stored. This means that an identical, replacement prosthesis can be realized quickly and easily.
4. Fewer appointments may be required and the result is always better than conventional.



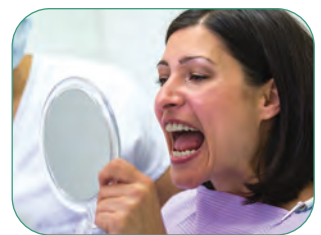
1st Appointment



2nd Appointment



3rd Appointment



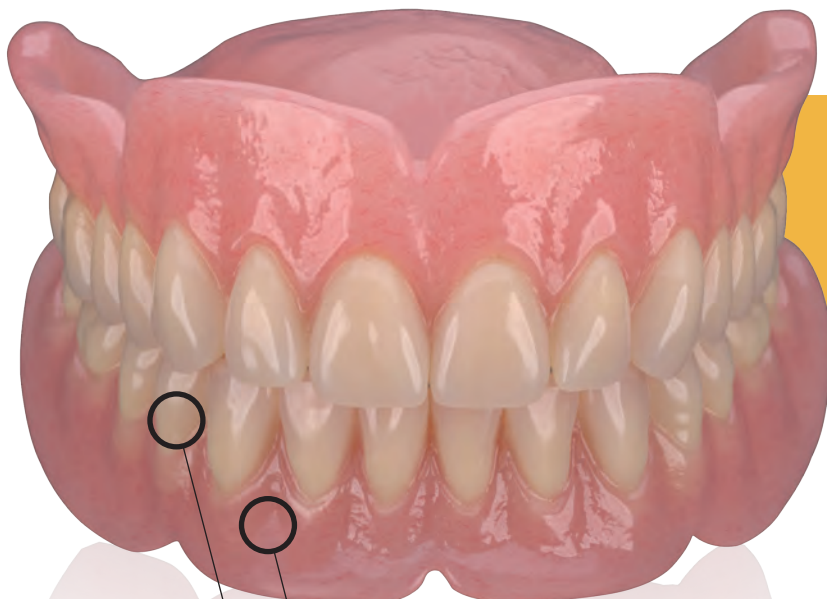
4th Appointment

How it works?

- 1st Appointment: Scan or take a physical impression of the upper & lower arch to fabricate a "Duo Bite Block".
- 2nd Appointment: Use Duo Bite Block to capture an accurate impression of vestibular border. Then snap on the wax rim to record the bite / VD.
- 3rd Appointment: Aesthetic and Functional Try-in.
- 4th Appointment: Deliver EVO Fusion Denture and order duplicate set if needed.

Acrylic Dentures

Whether full or partial, our dentures are designed to meet the individual needs of your patients. Therefore, we have a range of materials for you to choose from.



Denture Base Material Choice

Conventional Acrylic

- Most economical

Ultra High Impact Acrylic

- Thinner base
- More resistant to fracture
- More shades

Stock Teeth Choice

Premium Denture Teeth

- Lifelike layering, variety of occlusion design for superior aesthetics
- Made of double cross-linked material
- Ivoclar Vivadent: Blue Line®



Standard Denture Teeth

- High quality at a reasonable price
- Ivoclar Vivadent: SG Ivostar® Gnathostar®

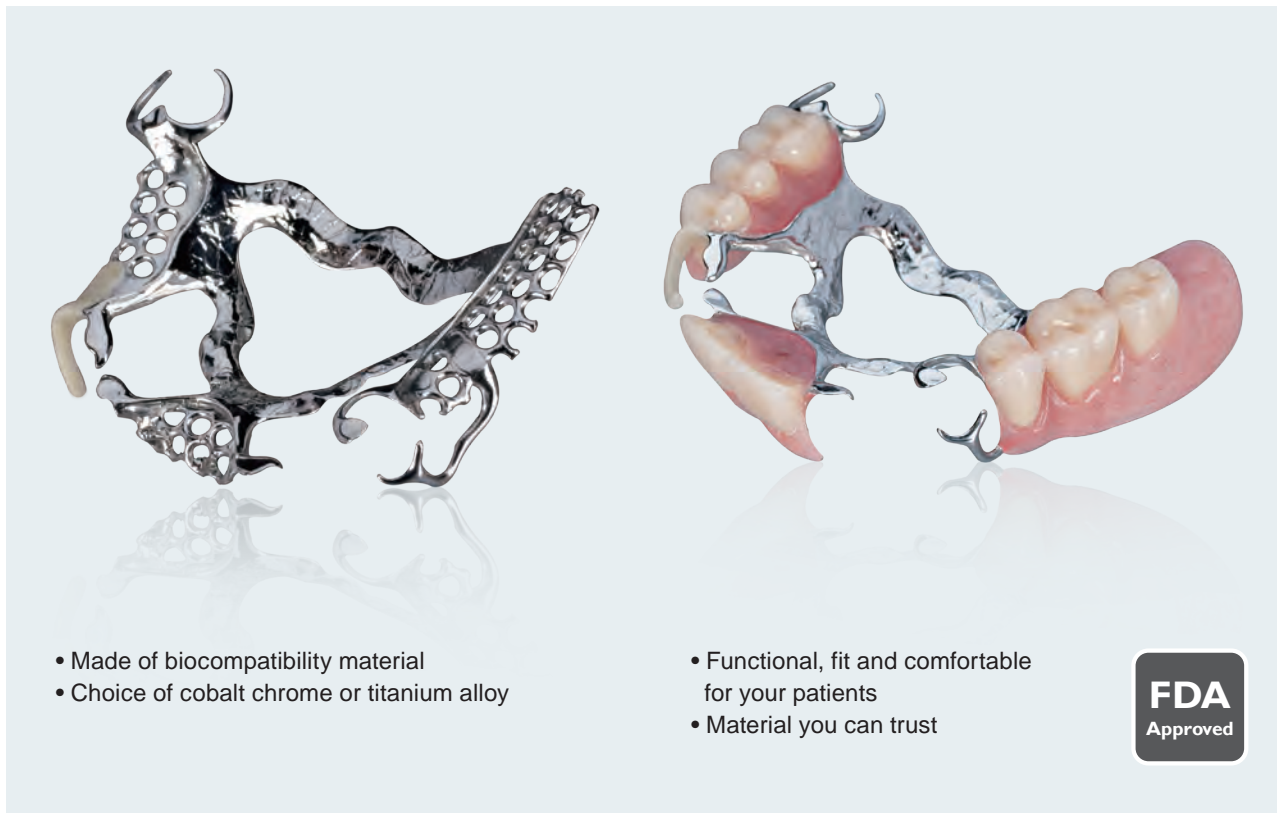


Partial Dentures


Titanium / CoCr Partial Dentures

The Titanium Denture framework offers a precise fit and the most durable of all partial dentures. It is corrosion-resistant and difficult to distort. Titanium is the most biocompatible metal available for use, and it is non-allergic.

It uses CAD/CAM technology to simplify the clinical workflow and also minimizes error in the milling process when comparing with conventional casting procedures. It gives functional, fit and comfortable outcomes to your patients.



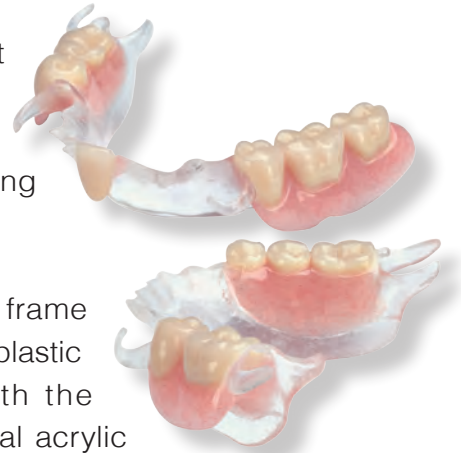
- Made of biocompatibility material
- Choice of cobalt chrome or titanium alloy
- Functional, fit and comfortable for your patients
- Material you can trust



ReSure Partial Dentures

We continuously search in the dental field for the most up-to-date technologies and materials to better serve the doctors that we work with. Recently, we have successfully acquired a new material and technical skills for fabricating partial denture frameworks.

The ReSure Denture is an excellent alternative for partial frame denture or acrylic prosthesis. Created from a unique thermoplastic material from Netherlands, ReSure has captured both the advantageous properties of cobalt chrome and conventional acrylic dentures which delivers increased patient comfort and easier adaptation.



- Created from a unique thermoplastic material
- Rigid partial denture without metals
- Monomer-free (low risk of allergy)
- Teeth & acrylic choices same as chrome dentures
- Able to incorporate rest seats to the design
- Flexural modulus (flexibility) are between acrylic and nylon (flexible partial denture material)

- Connectors and clasps are nearly invisible
- Repairs and teeth addition are possible

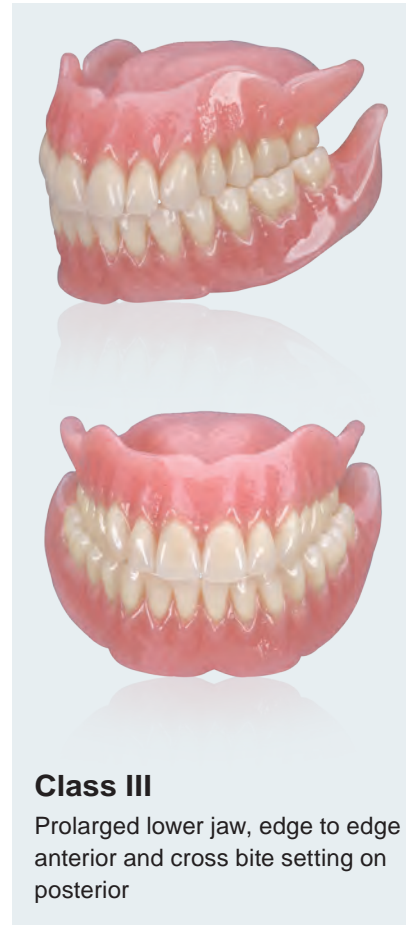
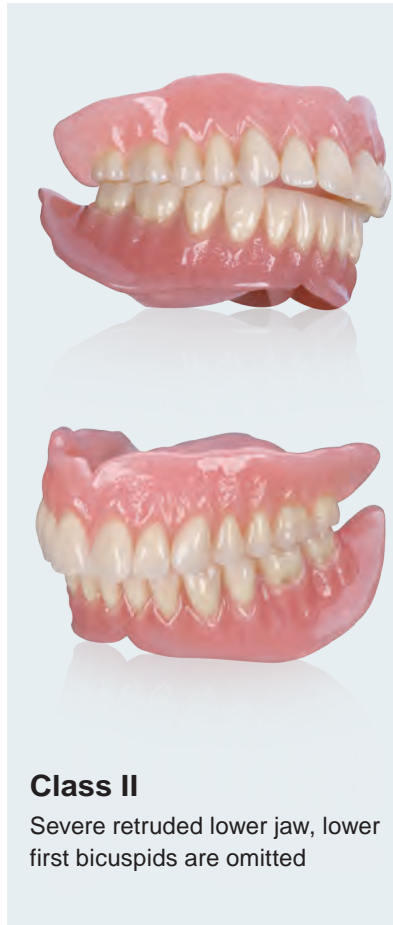
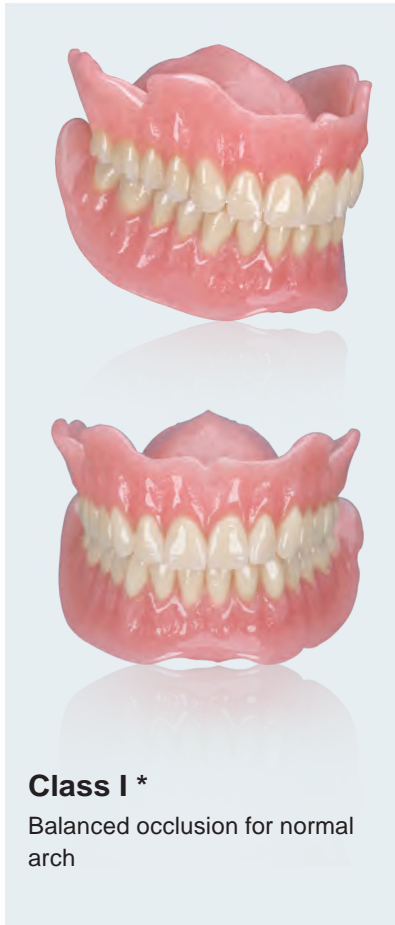
Flexible Partial Dentures



- Flexible, light and comfortable
- Stain and odor resistant
- Translucent colour blends in well with soft tissue
- Monomer free
- Virtually unbreakable
- 3 shades available (please refer to P.43)

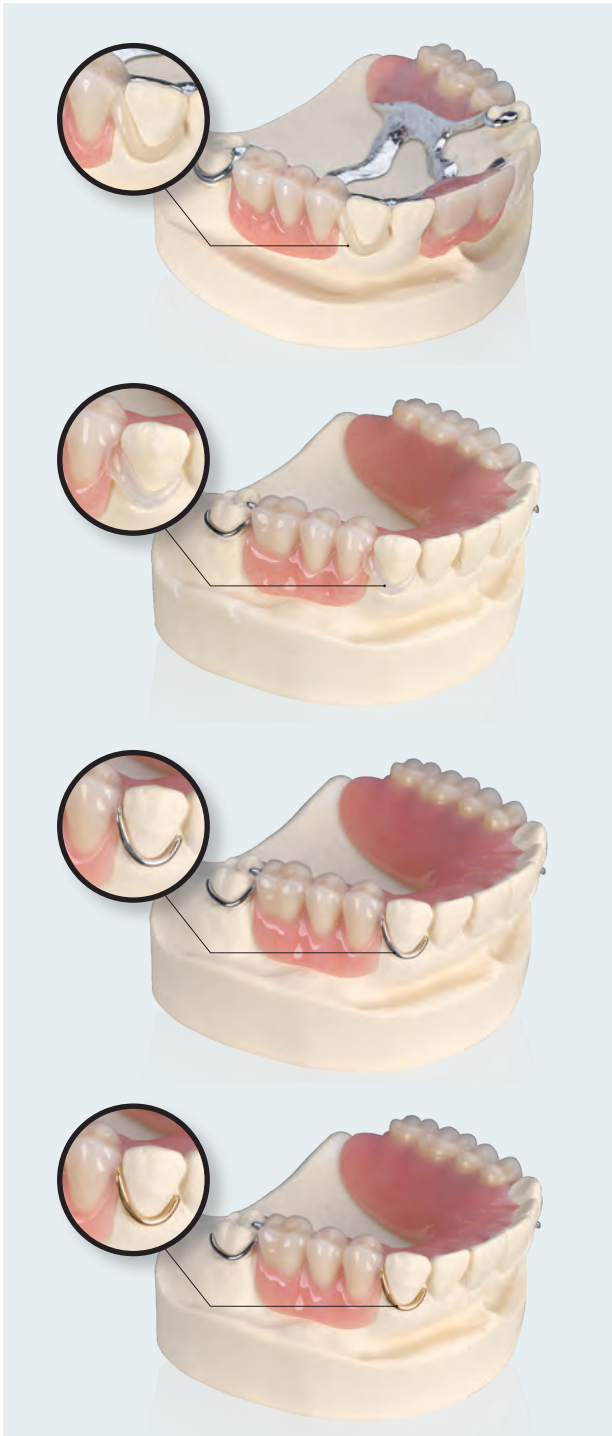
Full Dentures

- Posterior setting with different teeth moulds designated for normal, retrognathic or prognathic arch
- Balanced occlusion and lingualised occlusion moulds are available



*Default Setup

Clasps



Tooth Colour Resin Clasp

- Blends in with natural dentition
- Multiple shades available

Clear Resin Clasp

- Superior flexibility
- Transparency for optimal aesthetics

Conventional S.S. Wire Clasp

- 0.9mm stainless steel wire

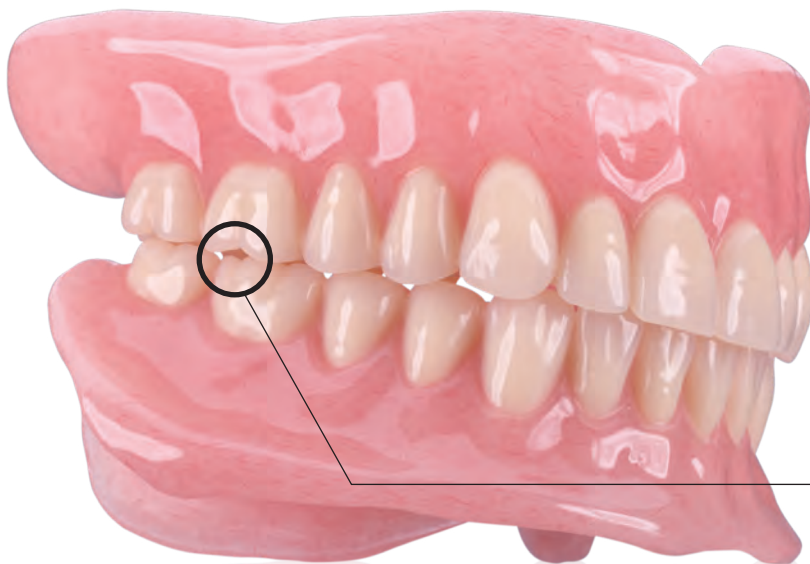
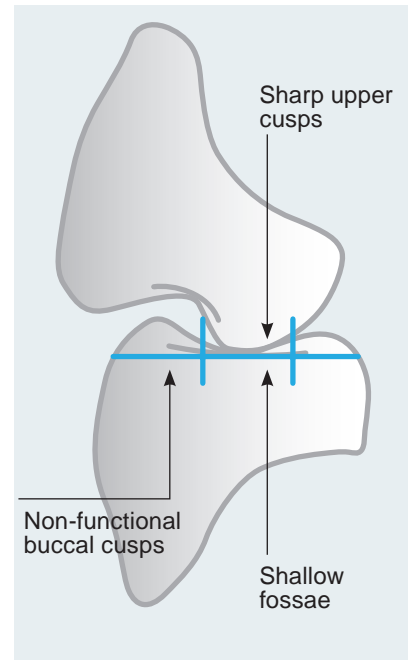
Gold Wire Clasp

- Superior ductility to engage deep undercuts

Lingualized Occlusion

Lingualized occlusion technique reduces lateral excursion loading and minimizes off axis stress to the underlying bone, which has been shown by studies to increase the masticatory efficiency in patients. The technique can be used in resorbed ridges, implant supported overdentures and combination dentures.

- Only centric contact with maxillary palatal to central fossa
- Mandibular teeth with shallow cusps
- No maxillary buccal cusps contact in centric and lateral excursion



Teeth Shape and Shade



Acrylic Color Options of Ultra High Impact Acrylic



Light Pink



Light Reddish Pink



Dark Pink



Removable

Fixed

Functional

Orthodontics

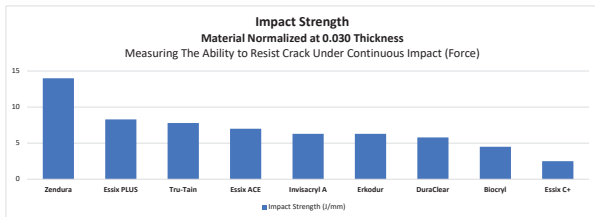
Orthodontists require a wide variety of orthodontic devices for different situations. These devices are used to apply a force to align specific teeth, to correct certain deformities or to hold teeth in position after realignment.

RETAINER
MaX **MaX (Zendura) Invisible Retainer**
 MaX (Zendura) invisible retainer is a high-performance material designed and engineered for dental appliances. It is tough, stain resistant and has long lifetime clarity. It is a cost-effective retainer solution for you and your patients.

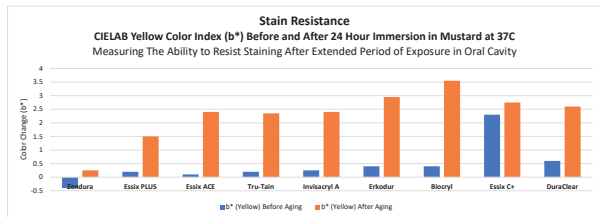
MaX (Zendura) invisible retainer uses materials imported from the US, and is locally made in Singapore. It protects your patients' investment and elevates overall patients' experience and satisfaction.



MaX comfort
MaX peace of mind
MaX benefits to your patients



Test Method:
 Impact Strength was measured according to ASTM D 5420 (GC) Test Method, using a Gardner Impact Tester, equipped with 0.64 inch Die and 0.625 inch punch. Falling Weight Impact, also known as Gardner Impact, is a traditional method for evaluating the impact strength or toughness of a plastic'. A weight is dropped from a measured height and the Impact Energy needed to cause failure via crack initiation and crack propagation is determined.
 References: 1. Intertek Plastics Technology Laboratories.



Test Method:
 The CIELAB Color model was utilized to measure a change in "yellow" (b*) that resulted from a 24 hour mustard soak. The color change was measured using a Byk-Gardner Color-guide and b* is plotted before and after aging.

SmartFit Retainer



A 3D Printed Retainer

SmartFit Retainer offers high fitting accuracy due to direct digital fabrication, neglecting the traditional model and thermoforming stages. The multi-thickness technology enables custom teeth retention tailored to each patient's unique treatment needs. The material of SmartFit Retainer has obtained FDA Class II 510(k) clearance and ISO certifications, ensuring the highest safety standards for a longevity smile.



Resilient Retention



Personalized Precision



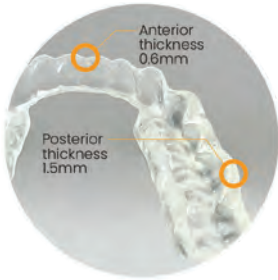
Reproducibility



Targeted Minor Tooth Movement

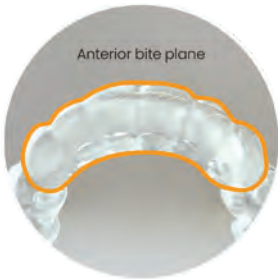


Direct 3D Fabrication



Unprecedented Multi-Thickness Technology

The thickness of the SmartFit Retainer can be customized from anteriors to posteriors to achieve individual optimal retention. Our standard solution offers a default thickness of 0.6mm. However, the SmartFit Retainer provides a flexible range of occlusal, buccal, and lingual thicknesses, ranging from 0.6mm to 1.0mm. This ensures a tailored approach to meet the specific needs of each patient.



Custom Occlusal Features

The SmartFit Retainer utilizes direct printing to establish precise upper or lower bite alignment, specifically targeting occlusal features. This customization plays a role in addressing orthodontic concerns and optimizing treatment outcomes. The retainer offers both aesthetic improvements and functional benefits, particularly in cases involving temporomandibular joint dysfunction (TMJ).



Edentulous Space Maintenance

Our innovative design focuses on effective space maintenance through the utilization of advanced direct printing. The SmartFit Retainer allows for precise control of tooth movement, enabling minimal movement within a range not exceeding 0.5mm. This unique feature enhances the effectiveness of our retainers in maintaining edentulous spaces, making them particularly valuable in cases involving periapical infection of the first primary molar or single or multiple missing primary molars. It provides a comprehensive solution that prioritizes optimal patient care and treatment outcomes.

Sport Guards



Junior



Standard



Senior



Elite



Professional

Properly diagnosed, designed, and custom fabricated sport guards protect athletes and sportspersons from oral or facial injuries. Studies have shown that sport guards are able to absorb the force of an impact and distribute this force more evenly compared to not wearing a sport guard. Therefore, the one or two teeth being impacted do not bear all the impact force. Different sport guards provide different levels of protection.



Type	Thickness	Application	Remark
Junior	3mm	Non-contact sports (Junior)	Gymnastics, Figure Skating, Skateboarding
Standard	5mm	Non-contact sports (Adult)	Intense Cycling, Speed Skating, Volleyball
Senior	6mm	Sports with some degree of contact	Basketball, Baseball, Soccer
Elite	6mm + 3mm soft anterior insert	Contact sports where objects with a large surface area may be received by the jaw	Boxing, Karate, Judo
Professional	6mm + 3mm hard anterior insert	Heavy contact sport where hard, pointed blows may be received by the jaw	Rugby, Hockey, Polo



Night Guards



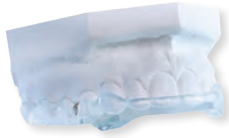
Night Guards have different material options.

1. Soft Night Guard
2. Hard Night Guard
3. Dual Layer Night Guard
(Inner layer soft, outer layer hard)

Splints



Flat Planes
(Occlusal Splints)



Michigan Planes
(Canine Rise)



Gelb Splints



Kois
Deprogrammers
(default 1.5mm clearance
on posterior teeth)



Nociceptive
Trigeminal
Inhibition (NTI)

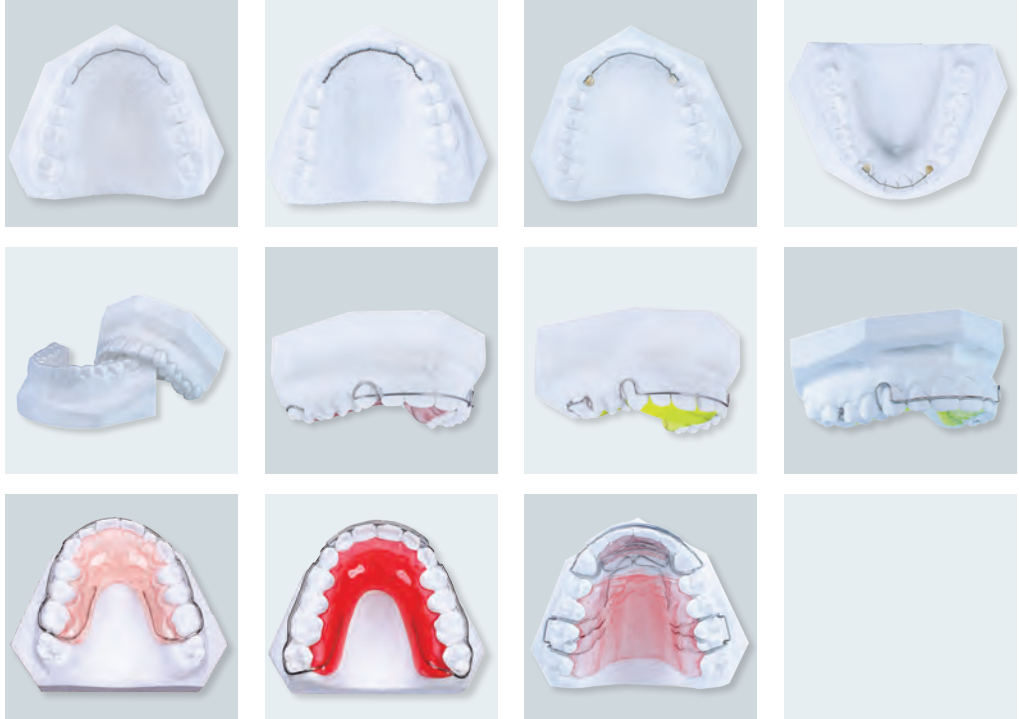
Clear Relief



We provide an option to incorporate Clear Relief material to all splints. Clear Relief allows the splint to be self-adjusted to remove minor discrepancies related to the fit by immersing the splint in hot water. Also, Clear Relief splints are MMA free and repairable/relinable. The strength of Clear Relief splints are also harder than traditional splints.

Retainers, Space Maintainers and Appliances

Retainers



Space Maintainers



Appliances







Anti-Snoring Devices



Elastic Mandibular Advancement Appliance (EMA)



The Moses Elite



The Serene Silensor



Items

Mouth Guards, Snore Guards and Splints

Dual Layer Night Guard
Night Guard / Sport Guard (Junior)
Sport Guard (Standard)
Sport Guard (Senior)
Sport Guard (Elite)
Sport Guard (Professional)
Bleaching Tray
Occlusal Splint
Clear Relief (Thermoplastic Material)
Simple Anti-Snoring Device (Non-Adjustable)
EMA Appliance
The Moses Elite
Serene Silencer

Orthodontic Appliances

Orthodontic Study Model (Upper & Lower)
Hawley / Begg / Invisible Retainer
MaX (Zendura) Invisible Retainer (Per Arch)
Basic Appliance (incl. Clasps, Labial Bow and Rests)
Direct Bonding Retainer (incl. 2 Brackets)
Wrap Around Appliance
Active Appliance (incl. Springs & Clasps, Screw:extra)
Functional Appliance
Quadhelix Appliance
Rapid Maxillary Expander (Screw:extra)
Palatal / Lingual Arch Space Maintainer
Herbst (Hinged Piston:extra)
Additional Soldering for Orthodontic Appliances



ELETRA
SMART



The Art of Intraoral Scanner

Coded Structure Light Technology

Intelligent



Sleek and Light
Just 138g in weight and only 221 x 27 x 25 mm in size.



Fast and Precise
Experience the 1-min ultra-fast scan and 7µm ultra-high accuracy.



Plug and Play
No power adapter needed.



Slim Tip
Designed slim with 50-100 autoclaving cycles.



Quiet Cooling
Provide a relaxing and stress-free experience.



Motion Sensor
Control and rotate your scan touch-free using built in 360 degree gyroscope of ELETRA SMART.



One Button Operation
Control by clicking or pressing various actions purely with a single button.



Anti-fogging Technology
Lens fogging prevention with its innovative instant heating technology.



Digital scanning technology has emerged as the value addition in digital dentistry offering dentists the best possible tool to diagnose and choose a treatment plan. The high-resolution pictures offered by such technology make it convenient for dentists to study the contours of the patients' teeth and suggest suitable remedy in the form of aligners, dental implants, among others. The cutting-edge digital impression system offered by ELETRA empowers dental clinics in reducing the treatment time and enhancing the overall patient experience.

ELETRA Smart

The all-new ELETRA Smart intraoral scanner is the smallest, lightest, and most ergonomically built of its kind, making it easy for dentists to use. Also, it can be easily connected as no power adapter is required, thus simplifying the dental scanning process further. The turbo-fan cooling feature makes it a super-quiet scanner and causes no distraction during the diagnosis and treatment. Dentists can offer flawless treatment, as this scanner is equipped with a wide scan field and a large scan depth. Therefore, while creating restoration solutions such as the crown, bridge, and aligners, the lab can achieve the best fit and make the solutions more real-like.

The faster and more accurate ELETRA Smart intraoral scanner is backed by staring scanning with coded structure light technology. It is full HD, and its innovative,

newly designed tip differs from other scanners in the ELETRA series. The pen-style scanner can be operated with the press of a button; with a single click, you can start or pause scanning; with a double click, you can change the color or bite point; and long pressing the button would enable you to stop scanning, proceed to the next step, process the model, and save data. The scanner comes with a motion-sensing feature, and therefore, the dentist can scan every area of the oral cavity, even the inaccessible areas of the mouth, easily by maneuvering the scanner. Dentists can utilize this futuristic scanner to offer same-day diagnosis, treatment, and solutions. The fast scanner thus helps to save time for both the dentist and patients. Plus, its advanced features enable the dentist to deliver superior and flawless treatment, making it a worthwhile investment, and a promising tool for your practice.

A hand holding a black dental scanner against a blue background. The scanner is a long, thin, black device with a slightly wider base. The hand is positioned vertically, holding the scanner from the bottom. The background is a solid, vibrant blue.

MEDIT

Unleash your clinic's potential

High Efficiency Scanning

Comfortable

Powder-free Scanning

Medit has been at the forefront of realizing the easy entry into digital dentistry. Our innovation will improve your patient's experience.

Medit i700 Wireless

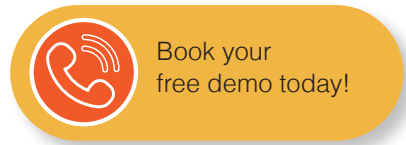
Still the same super fast, light, and accurate i700, but now wireless. Free from wires, scanning is comfortable at any angle. Scan proximal areas effortlessly without constraints in movement. Weight balanced design of the i700 wireless provides a stable, comfortable scanning experience. Intelligent power management function automatically switches the device to sleep mode when not in use, standing by up to 8 hours. Enjoy the fast speed of the i700 wirelessly, flawlessly.

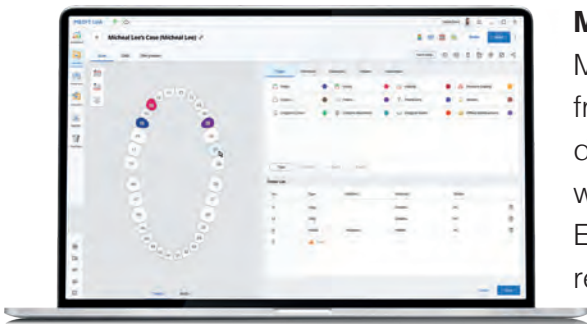
Medit i700

Medit i700 makes the scanning experience a comfortable one for both the dentist and patient. With both powerful hardware and intelligent software, the full-feature Medit i700 is the key to unleash your clinic's full potential. Unlike the most scanners in the market, Medit i700 can be directly connected to the PC using power delivery cable without power hub and extra cables. This new feature of Medit i700 improves the mobility and the maintenance.

Medit i600

Medit i600 is the Brain of the i700 with a Splash of Color. Improved speed and optimal scanned images deliver a smoother scanning experience. Similarly, Medit i600 can be directly connected to the PC using just one cable, eliminating limitations of wired devices between chairs and clinics for a wider scope of treatment using scanners.



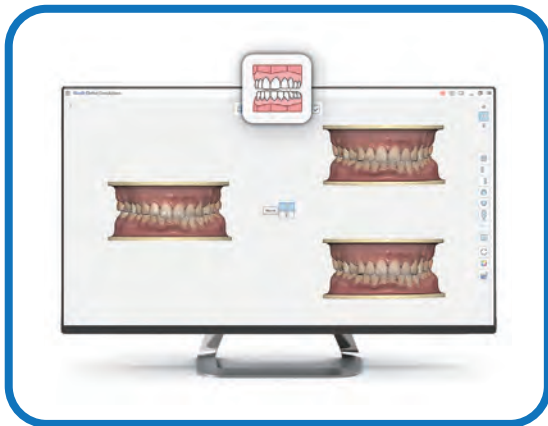


Medit Link

Medit Link is a fully open system for you. Scan with free intelligent features and apps specialized for your dental procedures. Improve consultation experience with your patient to provide better treatment options. Enhance your communication with labs through a real time cloud-based system.

Medit is one of the fastest companies in the industry to provide software upgrades. Users can get a renewed scanner with improved performance and new features through software upgrades alone.

Medit Apps



Medit Ortho Simulation

It helps the patients to visualize potential results of multiple orthodontic treatment scenarios. It can be load up to three different scenarios and add-in face scan data. So, the patients can preview their future smile!



Compare

A simple-to-use data analytic tool that allows both beginners and experts to see the differences in two or more sets of scan data. You can do the comparison by overlaying two different sets of scan data and view surface roughness, curvature, and data deviation, thus to provide the best solution.



DCM Converter

The DCM Converter helps you to convert your 3Shape Dicome files to a can-use file in the Medit software.



Crown Fit

With Medit Crown Fit, you can perform a modeless crown fitting by checking the alignment between prepped teeth and milled prosthesis data with just few taps. It also has some advanced data measurement and transformation features.



Model Builder

Medit Model Builder software offers a simple solution to create 3D model in the software without sending it to the labs. You can create a base with scan data, and also customize the labels with patients' names and dates, which gives you greater convenience to communicate with the patients.



Smile Design

You are allowed to show the patients their future smile with Medit Smile Design. Just load in an image of the patient and their teeth, and the teeth shape, color, position and scale can be modified with various tools. It helps to smoothen the communication between the patients and you!



RAYFace

**NEW
RELEASED**

Instant

High Resolution

Endless Possibilities

RAYFace

A Face Driven Digital Solution

RAYFace is more than just a 3D facial scanner, it provides the foundation for facially driven total treatment solution. It changes the user experience through our facially driven solution, from scan, design, make, to consult. Every step of the way, in the most simple and intuitive method imaginable.



6 High-Resolution Cameras

0.5 second to record from multiple angles simultaneously. Reconstruct your natural smile into the most realistic 3D data and provide a suitable solution for digital smile line design instantly and accurately.

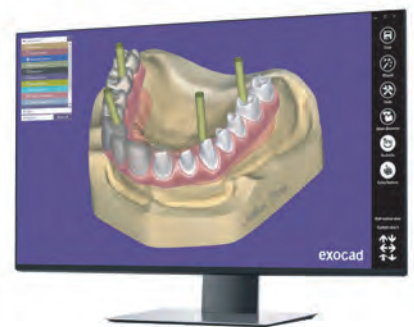


Digital 3D Models are at your Fingertips

Simple software operations to reduce operating time and learning costs, the quick shooting can also reduce patient discomfort. Combined with RCFR (Realistic Color Facial Reconstruction) V2 technology, natural contrast and skin color can be reproduced to beautiful faces in digital form.

Infinite Expansion of Clinical Experience

With 3D scanning technology, you can realize many clinical ideas. RAYFace's 3D smile simulation can improve your consultation outcome, while using auto landmark creation for accurate and rapid diagnosis. The results of stereoscopic scans can be used for aesthetic and complex oral repair treatments such as dental correction, dental implantation and oral reconstruction. In addition, it allows integration with various 3rd party CAD and 3D viewers. It definitely expands the realm of treatment possibilities.



Book your
free demo today!

formlabs



dental

Innovation

Efficiency

Economical



**NEW
RELEASED**

HOW DID YOUR PRINT COME OUT? X



Vert Ortho Arches
Sam Wainwright

formlabs

Formlabs changed the way 3D printed parts are fabricated with the introduction of the Form 3 and Form 3B and the trademarked Low Force Stereolithography (LFSTM) technology. Now, with Form 3B+, Formlabs is building on hardware and software innovations to take LFS 3D printing to the next level. The Form 3B+ are rich with features that make it simple to quickly and reliably produce functional, high-quality prototypes, end-use parts, medical devices, dental parts, and more.



Simple Workflow

Form 3B+ is an advanced 3D printer developed for medical and dental care. From design to printing to clinical work, the entire process is seamlessly end-to-end which can quickly transform the design into a finished product, it is simple and economical that greatly improve the efficiency and treatment time. Equipped with simple automated wash and cure that maintain the perfect combination of appearance consistency, luxury and practicality.

Quick Release Technology

Featuring the quick release technology-Build Platform 2, which can release the finished products and parts from the printing platform quickly and easily without any tools, meanwhile the treatment time and space location were reduced.



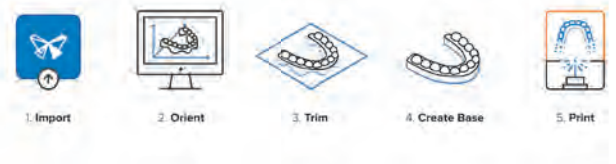
Industry - Leading Software

The design and algorithms of the Formlabs PreForm software enable flexible layout, direction, and material adjustments to improve the overall efficiency of treatment. It is possible to use different modes to change the printing details, like balancing details, speed, size and density.



New Upgrade

Form 3B+ also entails new hardware components and subsystems which produce parts with smoother, clearer surfaces, increase printer reliability, and push print speed even further. The surface finish and part quality are improved and transparent parts have better optical clarity. With the redesigned air duct and thermal measurement system, it is now performed more consistently across different temperatures and environments.





TRIO™ CLEAR

Unnoticeable

Minimal Attachments

3D Clinical Simulation

UPGRADED
Feature 



What is TrioClear™?

TrioClear™ is an innovative new clear aligner solution designed to transform your service and your patients' smile. Offering a unique comfortable, progressive dual-step solution, TrioClear™ aligners stay in place with minimal attachments and TrioDim Force™ Technology which save chair time. Using clinical simulation software, TrioClear™ enables you to accurately predict alignment and movement in advance. It also offers world-class fast turn-around and back-end support. Most importantly, our treatment design keeps in mind that TrioClear™ puts patient safety first. Safe movements designed for mild to moderate cases, and aligners made of nearly invisible medical grade FDA approved material, which also is 100% recyclable and BPA free.

Comprehensive Clinical Simulation Platform

Our clinical simulation platform allows for a clear visualization to the dentist in different viewing angles and stages. Furthermore, each treatment simulation design has an external link for sharing with other colleagues or patients. The simulation software is also available in a mobile phone version for easy and convenient access.



Progressive Force Concept



FDA Cleared



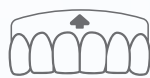
Triple Layered Material



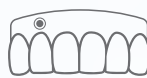
CE Marked Material



Bisphenol-A Free



Increased Gingival Coverage



Pre-Made Buttons



TrioDim Force™ Technology



Minimal Attachment



Trio iDesign Software

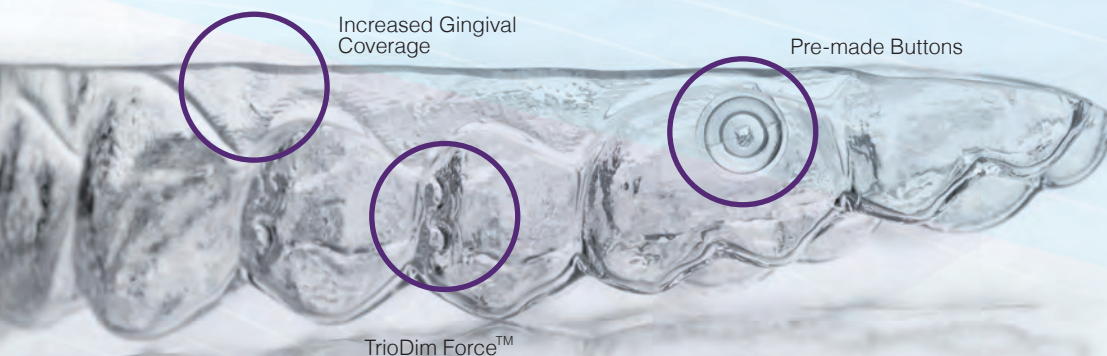


Increased Gingival Coverage

Extended gingival coverage allows increased controlled orthodontic force and provides extra protection to teeth movements.

Progressive Clear Aligner System

During treatment, patients will gradually and continuously improve their tooth alignment and smile by wearing 2 different clear aligners in diverse thicknesses for every cycle. Each cycle comprises of SOFT to HARD, the varying levels of thickness which shifts the teeth and helps each patient achieve their desired smile. Incremental thickness of the aligners allows us to implement the BioProgressive Force concept which allows a gradual and predictable movement of teeth. Patients have reported a very comfortable transition for each aligner due to the slow incremental thickness increase.



TrioDim Force™ Technology

The TrioDim Force™ technology is implemented in all TrioClear™ cases by our experience technicians. Depending on the specific movement required, our dental technicians will design the divot at very specific locations according to the TrioDim Force™ principles. Every divot is measured and specifically placed with special instruments to ensure precision of the location. With the use of TrioDim Force™ technology, TrioClear™ is able to use minimal attachments to achieve predictable and effective teeth movement.

What is Ecodont™ Retainer?

The Ecodont™ Retainer is a 100% recyclable and Bisphenol-A free orthodontic product under TrioClear™. It comes in two sets (two upper and two lower retainers) for the convenience of the patient. The Ecodont™ Retainer is 1.0mm thick, the strongest material amongst all of the TrioClear™ products.

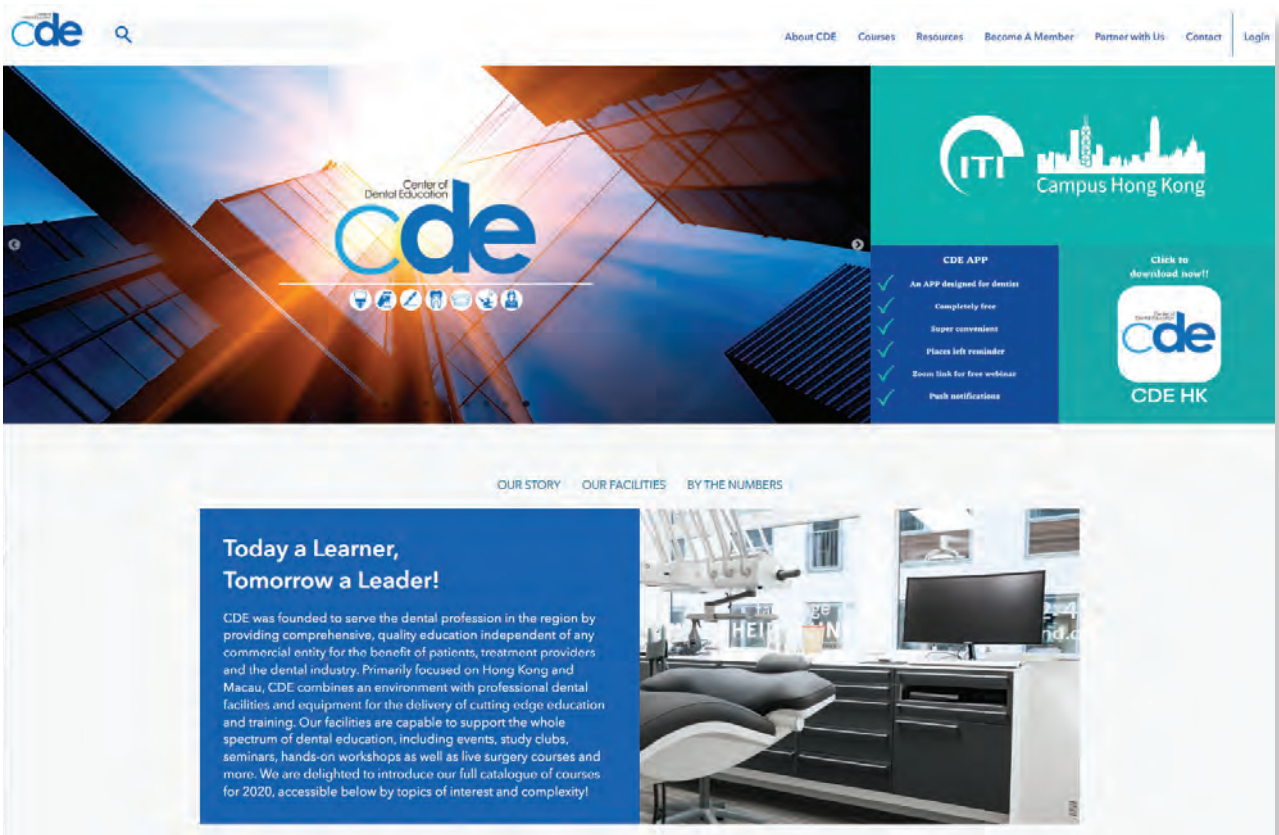


TrioClear™ Treatment Options	Flex	Simple	Touch-Up	Touch-Up Plus	Touch-Up Ultra	Complete	Ecodont™ Retainers
No. of Aligners	2 to 10	Up to 12	Up to 18	Up to 28	Up to 50	Unlimited	2 sets of upper & lower retainers
Treatment Duration	~2.5 months	~3 months	~4 months	~7 months	~12 months	>12 months	-
Warranty Period	-	-	1 year	2 years	3 years	5 years	-
No. of Refinements	-	-	1 time, 18 steps max.	2 times, 28 steps max.	2 times, 28 steps max.	Unlimited	-
No. of ReTracks	-	1 time, 12 steps max.	2 times, 18 steps max.	3 times, 28 steps max.	3 times, 28 steps max.	Unlimited	-
Treatment Planning & 3D Simulation	Free	Free	Free	Free	Free	Free	-
Cancellation Fee	Free	Free	Free	Free	Free	Free	-

For enquiries:

Email: info@trioclear.com.sg

<http://www.trioclear.com.sg>



Center of Dental Education (CDE) was founded to serve the dental profession in the region by providing comprehensive, quality education independent of any commercial entity for the benefit of patients, treatment providers and the dental industry. While initially established in Hong Kong and Macau, CDE has expanded its reach to serve a diverse international audience. CDE combines an environment with professional dental facilities and equipment for the delivery of cutting edge education and training on a global scale. Our facilities are capable to support the whole spectrum of dental education, including events, study clubs, seminars, hands-on workshops as well as live surgery courses and more.



Q cde.hk



Modern Dental Laboratory (Singapore) Pte Ltd.
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www.moderndentallab.sg