

SECTION 2

# CAD/CAM

CAD/CAM technology and all ceramic restorations represent one of the fastest growing areas of modern dentistry. Gunz Dental is pleased to provide you with an extensive range of products and technical information related to this exciting and progressive treatment modality.

For all your Cad/Cam needs Talk to Us.



**GUNZDENTAL**  
The people behind the products you trust

## SECTION 2

# CAD/CAM

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## PREPARATION



### CEREC® 3D Prep and Polish Kit

PREMIER

The 3D diamond bur kit has been specifically designed for the preparation of all ceramic restorations. The kit contains seven Two Striper diamonds in an autoclavable bur block and Luminescence Plus™ diamond polishing system. These Two Striper diamonds have been specifically selected to create well defined anatomy and readable preps, complementing the benefits of CEREC technology for patient care.

Technique recommendations by Dr James Simon DDS, Director of Esthetic Dentistry / Director of Clinical Research Univeristy of Tennessee, Memphis and Dr Bryan Schmidt DDS, Assistant Professor, University of Tennessee, Memphis.

CEREC 3D Prep and Polish Bur Kit

PRE13550



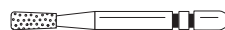
Kit contains:

Autoclavable Anodized Aluminum Bur Block,

Luminescence Plus Polishing Paste 3 gm with RA Mandrel & 10 Applicators

### CEREC® 3D Kit Components

PREMIER



Inverted Cone/Coarse Grit

This diamond is recommended for gross removal of alloy or composite. It allows you to drop into an undercut area to remove caries and achieve a smooth cavo-surface margin while preserving enamel.

PRE317.4C



Flat-End Cylinder/Coarse Grit

This diamond is excellent in refining the gingival margin, axial walls, pulpal floor and cavo-surface margin. A built-in 1.2mm diameter allows for the perfect marginal depth needed for all porcelain restorations.

PRE515.7C



Round-End Taper Spiral/Coarse Grit

This diamond has a rapid cutting ability for gross reduction in preparation for a full crown. The Spiral groove allows for a clean, precise cut without clogging the diamond.

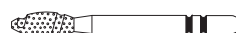
PRE2003.9



Flame/Fine Grit

This diamond is effective for breaking contact between an adjacent tooth and the gingival margin. You will find this diamond helpful after cementation; use it for the gross finish of your margins before your final mirror polish.

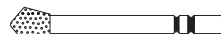
PRE260.8F



Football Spiral/Coarse Grit

The spiral design allows for gross removal of tooth and adjustment of ceramic or composite. Because of its smooth rapid cutting ability, you can make reductions while following the normal anatomy of occlusal surface.

PRE2014.5



Occlusal Acorn/Very Fine Grit

This diamond is ideal for finishing the occlusal table. Whether refining the central groove or placing supplemental grooves on the cusp inclines, this diamond can help create the desired anatomy.

PREF1



Football/20-micron Polish Grit

This diamond is indicated for finishing the occlusal aspects of internal restorations. The 20-micron polish grit of this diamond is excellent for occlusal surface adjustments, just before final polish.

PRE285MF2



## PREPARATION



**Perfect'Margin™**  
SATELEC

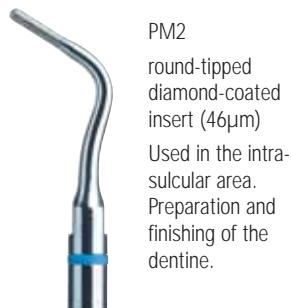
Satelec® presents Perfect'Margin™, a complete kit of ultrasonic tips for perfect positioning of the intra-sulcular finishing lines. Developed under the scientific supervision of renowned university lecturers, the Perfect'Margin kit of four mini-tips is specially designed to prepare dentinal tissue quickly and safely in areas too delicate to use a diamond bur.

With three round-tipped and one conical-tipped shape inserts, and different surfaces - diamond coated in two grit sizes, or smooth - there is a Perfect'Margin tip for each sequence of the procedure. Thanks to the Newtron® technology of Satelec ultrasonic piezoelectric generators, the handpiece retains a tactile sensation that is impossible to achieve with a bur, enabling delicate penetration of the sulcus to finish the sub-gingival limits without harming the free gum margin and the biological width.

The results obtained enable a better quality of impression-taking and an extremely precise cervical adjustment of the prosthetic restoration.



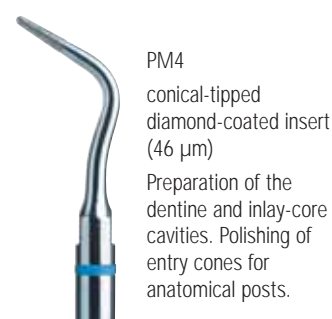
**PM1**  
round-tipped  
diamond insert (76µm)  
Preparation of dentine.  
Intra-sulcular  
penetration after  
supragingival  
preparation with a  
diamond bur.



**PM2**  
round-tipped  
diamond-coated  
insert (46µm)  
Used in the intra-  
sulcular area.  
Preparation and  
finishing of the  
dentine.



**PM3**  
round-tipped,  
smooth insert  
Finishing and  
improvement of the  
surface of the  
cervical limit before  
taking of impression.



**PM4**  
conical-tipped  
diamond-coated insert  
(46 µm)  
Preparation of the  
dentine and inlay-core  
cavities. Polishing of  
entry cones for  
anatomical posts.

KIT	SATF00738	
Tip PM1	SATF02250	
Tip PM2	SATF02251	
Tip PM3	SATF02252	
Tip PM4	SATF02253	



**Diamond Burs**  
MANI

Mani diamond burs are manufactured to surpass ISO standards, including a 1005 inspection by laser measurement machine. All Mani burs are colour-coded according to ISO specified diamond grit sizes. Blue stripe burs are standard burs with a grit size of 106-125 microns. Available in a wide range of sizes and shapes, here is a selection of Mani burs suitable for all ceramic preparation:

Medium Tapered Conical size 014	MAN-FO-21	
X Fine Tapered Conical size 014	MAN-FO-21EF	
Fine Tapered Conical size 014	MAN-FO-21F	
Medium Tapered Conical size 016	MAN-FO-22	
X Fine Tapered Conical size 016	MAN-FO-22EF	
Fine Tapered Conical size 016	MAN-FO-22F	

## TISSUE MANAGEMENT



**Tissue Trimmer**  
NTI

A Successful Solution for a Gentle Incision. The NTI Tissue Trimmer long thin version is a ceramic rotary instrument indicated for minimally invasive incision. The product successfully replaces scalpel & electro surgery when managing gingival tissues. Simplifies working in the interdental region and especially for deeper incision. The special ceramic tip causes the vessels to coagulate and reduces bleeding and tissue necrosis. Suitable for any high speed hand piece with 300,000 to 500,000 rpm

Tissue Trimmer Bur	NTI-250-016FG	
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TISSUE MANAGEMENT



ViscoStat®  
ULTRADENT



ViscoStat Wintermint is a 20% ferric sulphate gel solution that initiates profound haemostasis and sulcular fluid control in seconds. The new improved Wintermint flavour provides improved taste for the patient. ViscoStat saves chair time and decreases costly impression remakes.

30ml Indispense Refill

ULT0643



Ultrapack Retraction Cord  
ULTRADENT

Unique non-impregnated knitted retraction cords. Made from 100% cotton. Unique design exerts a gentle continuous outward force. Designed to enhance the ViscoStat/ Astringedent and Dento-infusor Tissue Management Technique to achieve optimum haemostatic control and gingival retractions.

SIZE

0	ULT0131	
1	ULT0132	
2	ULT0133	
3	ULT0134	
00	ULT0136	
000	ULT0137	



Expasyl  
SATELEC

Expasyl is a temporary gingival retraction paste scientifically formulated to enable a safe and efficient retraction of the soft tissue. Expasyl has been proven to protect the periodontal ligament, often damaged with conventional retraction methods, resulting in better tissue health.

Expasyl can be used prior to impression taking and seating of prostheses. Because Expasyl contains an hemostatic agent, it is particularly useful for the dry field optical impression.\*

\*R. Mazek International Journal of Computerized Dentistry 2005; 8: 000-000



Preparation

Injection of Expasyl

Sulcus open and dry ready for impression

Mini Kit includes: dispenser, 6 cartridges & 12 single use tips

PR-EXPMK



Starter Kit includes: dispenser, 20 cartridges & 40 single use tips

PR-EXPK



Refill Cartridges Pack of 20

PR-EXPR



Refill Tips Pack of 40

PR-EXPC



Motorised Dispenser (for use with micromotor)

PR-EXPHP



Refills

Pack 20 refill capsules

PR-EXPR



Pack 40 disposable tips

PR-EXPC



Pack 100 disposable tips

PR-EXPC100



Contact Gunz for a copy of the Expasyl CD-Rom, explaining the use of the new applicator and new Expasyl handpiece!

## IMPRESSIONS



**Honigum**  
DMG



Honigum is an innovative precision impression material based on A-Silicones (PVS) with a patented microcrystalline matrix, which gives it exceptional values in terms of rheological behaviour and accuracy. Honigum also has a high tear strength that enables labs to process restorations confidently. As a result, the restoration meets the fit and performance expectations of both the practitioner and the patient.

Honigum comes in a wide range of viscosities, setting times and delivery systems. The Independent US-based test institute The Dental Advisor recently scrutinised 50 A-Silicone impression materials. Result: With a 'clinical rating' of 97% Honigum from DMG received the best rating of all the materials. It confirms the 5-plus rating previously given to Honigum, and is a recognition of the superior properties this precision material has to offer.

### MixStar Cartridges

Heavy (Includes 1x 390ml MixStar Cartridge & 10 MixStar Tips)

RG9537 

Heavy Fast (Includes 1x 390ml MixStar Cartridge & 10 MixStar Tips)

RG9638 

Mono (Includes 1x 390ml MixStar Cartridge & 10 MixStar Tips)

RG9568 

Heavy Bulk Pack (Includes 5x 390ml MixStar Cartridges & 50 MixStar Tips)

RG9538 

### Automix Cartridges

Light (Includes 4 x 25ml Cartridges, 16 Automix Tips & 16 Intraoral Tips)

RG9539 

Light (Includes 2 x 50ml Cartridges, 12 Automix Tips & 12 Intraoral Tips)

RG9531 

Light Fast (Includes 4 x 25ml Cartridges, 16 Automix Tips & 16 Intraoral Tips)

RG9639 

Heavy (Includes 2 x 50ml Cartridges, 4 Automix Tips )

RG9766 

Heavy Fast (Includes 2 x 50ml Cartridges, 4 Automix Tips )

RG9838 

Mono (Includes 2 x 50ml cartridges, 4 Automix Tips & 4 Intraoral Tips)

RG9830 

## BITE REGISTRATION



**O-Bite**  
DMG



O-Bite is a highly accurate bite registration based on A-Silicone technology. O-Bite records the finest details and your patients will love its fresh fruity orange scent, grit-free consistency and non slumping flow. The independent testing institution REALITY nominated O-Bite as #1 bite registration material! It scored particularly due to its high final hardness: O-Bite is the hardest material in its product class. With a Shore-A hardness of 93.3 after 24 hours, O-Bite leaves all competitors behind. Technical data: Working time 30s, Setting time 1mn, Shore-A hardness (1h) 93 minimum

Includes 2 cartridges of 50ml and 12 Automix-Tips

RG9765



## TEMPORISATION



**Luxatemp-Fluorescence**  
DMG



A good temporary sets the stage for well functioning, aesthetic restorations. Luxatemp was awarded "Best of the Best" by Dental Advisor in 2006. Five of the best products in the category 'Composite Provisional Materials' competed against each other in a direct comparison. Not only did Luxatemp receive the best overall result (4.88 out of 5 possible points), it won first prize in every single one of 13 evaluations. These included criteria such as accurate fit, aesthetics, polishability and viscosity. Give your patients the most aesthetic and tissue friendly temporary - the best of the best!

Economy Pack Contents: 5 cartridges and 75 Automix-tips

Economy Pack A2 RG0712



Economy Pack A3.5 RG0714



Refill Contents: 1 cartridge and 71 Automix-tips

Shade

A1 RG0585



A2 RG0586



A3 RG0710



A3.5 RG0587



B1 RG0588



Bleach Light RG0589



## CEMENTATION &amp; LUTING



Vitique®  
DMG

The Ultimate Veneer and Ceramic Cementation System. Vitique is a new, highly aesthetic luting cement based on composite technology. Only Vitique, the dental industry's premier aesthetic cementation system, comes with a unique shade selection system. Thanks to its unique proprietary formulation, Vitique's 8 try-in and permanent cement shades are perfectly matched. So the shade you see with the try-in is exactly what you get in the permanent restoration!

Application is just as precise, with your choice of two advanced systems:

- For light cure, use the unique "ribbon" tip that perfectly fits the veneer for fast, precise placement.
- When dual cure is required for posterior teeth, use our exceptionally fast, automix Cata-Lock™ system.

Base refills (includes a 6g syringe and 10 veneer tips)

A1	RG3038	
A2.5	RG3039	
A4	RG3040	
B1	RG3041	
Bleach light	RG3042	
Transparent	RG3043	
White	RG3044	
Pink	RG3045	

Catalyst refills - clip onto base syringe for dual cure option  
(includes a 2.1g syringe and 10 mixing tips)

High Viscosity	RG3046	
Low Viscosity	RG3047	

Try-in paste refills - glycerin free, water soluble gel  
(includes a 3.9g syringe and 10 veneer tips)

A1	RG3048	
A2.5	RG3049	
A4	RG3050	
B1	RG3051	
Bleach light	RG3052	
Transparent	RG3053	
White	RG3054	
Pink	RG3055	

DMG Silane

3 ml adhesive silane, 2 ml activator, 50 disposable brushes Kits  
RG3118

Intro kit

Includes 8 syringes of base paste (A1, A2.5, A4, B1, Bleach Light, Transparent, White, Pink), 2 catalyst refills (high and low viscosity), 8 syringes of try-in paste in matching shades, 2 syringes of catalyst try-in paste, 100 veneer tips, 25 smartmix tips.

RG3013

Starter kit

Includes 2 syringes of base paste (Transparent, A2.5), 1 catalyst refill low viscosity, 20 veneer tips, 10 smartmix tips.

RG3061

Accessories

Silane 3 ml adhesive silane, 2 ml activator, 50 disposable brushes

RG3118

Contax intro kit (includes 1x 5ml Contax-Primer, 1 x 5 ml Contax-Bond, 25 Single-use brushes White, 25 Single-use brushes Red, 1 Mixing pallet)

RG0263

Contax-Activator for bonding of dual cure materials (5ml bottle)

RG0283



PermaQuick® Primer & Bonding Resin  
ULTRADENT

PermaQuick is a 45% filled, light cured, radiopaque 2-part bonding system with minimal film thickness making it perfect for the indirect bonding of All Ceramic restorations. The tissue-kind ethyl alcohol-neutral pH primer contains natural light-polymerisable resins that facilitate superior penetration into hydrophillic dentine substrates and ensures successful retention of the restoration. Combine PermaQuick with UltraEtch and PermaFlo for outstanding results.

PermaQuick Primer – Refill 4x 1.2ml

ULT0633

PermaQuick Bonding Resin – Refill 4x 1.2ml

ULT0634

PermaQuick Value Pack

ULTPERMAQCK-VALUEPK

Refill 4x 1.2ml Primer and Bonding Resin

(ULT0633 + ULT0634)



Silane  
ULTRADENT

Ultradent Silane is a single component Silane suitable for use following the application of Porcelain Etch.

Refill - 2 x syringes

ULT0410

## CEMENTATION & LUTING



### Ultra-Etch® 35% IndiSpense ULTRADENT

Ultra-Etch is a viscous 35% phosphoric acid gel. It is the only self limiting phosphoric acid dentin etchant on the market. Will etch 1.9micron depth when used for 15 seconds, therefore minimising post operative sensitivity. The optimum level of viscosity, coupled with use of the Blue Micro or Inspiral Brush tip, facilitates precision placement & superior control. Also contains fumed silica to rinse off easily without compromising dentin etching results.

UltraEtch Indispense Refill

ULT0685

Blue Micro Tips (pack of 100)

ULT0127

Inspiral Brush Tips (pack of 100)

ULT0123

1.2 Luer Lock Plastic Syringes (pack of 100)

ULT0157

Valuepack Contains:

UltraEtch Indispense Refill (ULT0685), Blue Micro Tips (ULT0127) and Luer Lock Plastic Syringes (ULT0157)

ULTRAETCH-VALUEPK



### PermaFlo® 35% Translucent ULTRADENT

PermaFlo is a light cured, radiopaque, methacrylate-based flowable composite and cement. 68% filled by weight, low film thickness and superior flowability make PermaFlo Translucent ideal for luting all ceramic inlays, onlays and crowns. Partner PermaFlo with UltraEtch and PermaQuick for outstanding & long lasting results.

E/I (translucent) Refill 2x 1.2ml

ULT0612



### Porcelain Etch and Silane ULTRADENT

Use with caution: This is the hard stuff! Ultradent Porcelain Etch is a specially buffered, viscous hydrofluoric acid designed for intra-oral or extra-oral porcelain etching. It should be used to etch porcelain prior to bonding and repair. Ultradent Silane is a single component Silane suitable for use following application of Ultradent Porcelain Etch. Studies have demonstrated that when Ultradent Porcelain Etch and Ultradent Silane are used with PQ<sup>1</sup> or PermaQuick Bonding resin, it will produce the highest bond strength to porcelain compared with other porcelain bonding products<sup>1</sup>. This product is suitable to use for ceramic inlays, onlays, veneers and crowns.

1. Reference available upon request

Porcelain Etch Refill - 2x 1.2ml

ULT0406

Silane Refill - 2x 1.2ml

ULT0410

## POLISHING - CHAIRSIDE



### Diamond Twist SCO Intra Oral Polish Paste PREMIER

For the Surgery. A dynamic advancement in porcelain and ceramic polishing, Diamond Twist SCO from Premier is in a class of its own. Easily achieve a glaze-like finish on castable ceramics and CAD/CAM type porcelain. Featured in Dentistry Today's "First Impressions" by George Freedman, DDS, FAACD, FADC, "Diamond Twist improves the efficiency of the polishing process, making this step easier and faster." SCO contains 3-micron diamond or crystal particles in a high viscosity clay-like paste and the unique Twist Syringe avoids cross contamination and dispenses just the right amount.

Contains:

3gm Diamond twist Polishing Paste Syringe

6 x 1/2" Micro Cloth disks, Dark blue

6 x 5/6" Micro Cloth disks, light blue

1 x RA Mandrel

4 x Flat Polishing Brushes

2 x tapered Polishing Brushes

PRE19002

**POLISHING - CHAIRSIDE**



**Ceraglaze**  
NTI

Recreate that 'reglazed' look to your restorations without the need to send work back to the laboratory. NTI CeraGlaze clinical polishers contain natural diamonds in a silicone binder and offer 3 grit sequences for optimal polishing in the mouth - no polishing paste required. Highly recommended for CEREC and all ceramic restorations.

Ceraglaze Kit NTI-SET1588 

**HIGH SHINE - Pack of 3 Max rpm 5,000**



NTI-P30032 NTI-P30033 NTI-P30035

**REFINED - Pack of 3 Max rpm 10,000**



NTI-P3032 NTI-P3033 NTI-P3035

**PRE-POLISH - Pack of 3 Max rpm 15,000**



NTI-P332 NTI-P333 NTI-P335



**Luminescence Plus Diamond Polishing Paste**

PREMIER

Single Gel Diamond Polish paste for patient comfort and all surface aesthetics. Single Grit, Single Step Paste that contains Potassium nitrate topical desensitizer.

3gm PRE14208 

**POLISHING - LABORATORY**



**Diamond Twist SCL Extra-Oral Polishing Paste**

PREMIER

For the Laboratory. 3-micron multi surface polishing paste for all types of ceramics/porcelains. Premier Fibra Points, with their open weave design and low heat generation are ideal for pre polishing, while the final 'glazed effect' is easily achieved with a felt wheel, barrel or point. Featured in Dentistry Today's "First Impressions" by George Freedman, DDS, FAACD, FACD, "Diamond Twist improves the efficiency of the polishing process, making this step easier and faster."

Contains:

- 6gm Diamond Twist Polishing Paste Dispenser
- Felt Applicators, Point, Barrel, Two Wheels
- Fibra Points, Barrel, Taper, Two wheels
- Two Mandrels - Standard and SurGrip

PRE19000 

**POLISHING - LABORATORY**

**CeraGlaze Polishers**

NTI

A three step polishing system with high-grade natural diamonds to provide superior polishing on all types of porcelain, non-precious alloys and titanium.

The unique silicone binding in the NTI CeraGlaze range virtually eliminates heat generation, making it safer and more comfortable for the dental technician in cases where prolonged use is required.

PRE-POLISH - Pack of 1  
Max rpm 16,000



REFINED - Pack of 1  
Max rpm 12,000



HIGH POLISH - Pack of 1  
Max rpm 6,000



**CAD / CAM MILLING**



The ZENO® Tec  
WIELAND & TECKNIK

The ZENO® Tec CAD/CAM system by Wieland Dental (Germany) is future-oriented, highly productive and economical. It offers the flexibility of milling up to 16 units in Alumina, zirconia, plastic, composite and non precious metals and covers the wide range of indications of modern dental restorations. The operational efficiency of the Zeno CAD/CAM scanner and milling machine succeeds in achieving the highest goal in dental technology: a perfect fit without the need for adjustments.

**CERAMICS - LABORATORY**



X-Type Porcelains  
WIELAND



The perfect partner for CAD/CAM.

Cost-effectiveness is of great importance to Wieland as demonstrated by our X-Type veneering ceramics of which all have the same colour range and build-up concept no matter what the framework. Wieland offers true shade matching across the range. For All Ceramic and CAD/CAM restorations, choose Allux for use with alumina frameworks and Zirox for layering onto zirconia.

With these materials and their experience, Wieland brings productivity to the surgery and the laboratory.