

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.



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 University of Tennessee, Memphis and Dr Bryan Schmidt DDS, Assistant Professor, University of Tennessee, Memphis.

CEREC 3D Prep and Polish Bur Kit

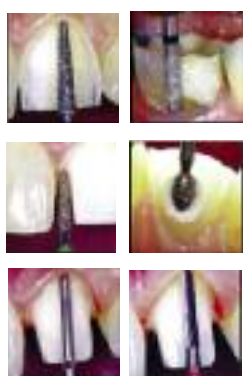
PRE13550



Kit contains:

Autoclavable Anodized Aluminum Bur Block,

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



LAVA Bur Preparation Kit
NTI

Everything You Need for a Successful LAVA or All Ceramic preparation: the NTI LAVA bur set offers clinicians the right rotary instruments that will offer the best clinical outcome when preparing teeth to accept a permanent restoration manufactured from Y-TZP – based or zirconia restorations.

NTI-SET1676



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.

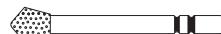
PRE260.8F



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.



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



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

TISSUE MANAGEMENT



Viscostat®
ULTRADENT

Viscostat Original and Wintermint are viscous 20% Ferric Sulphate coagulative haemostatic gel. Viscostat initiates profound haemostasis in seconds while demonstrating unsurpassed kindness to tissue and providing elimination of sulcular fluid. Viscostat® saves chair time and decreases costly impression remakes. Aside from being an effective haemostatic agent, Viscostat is an EXCELLENT alternative medicament to formocresol when performing vital pulpotomies.

Viscostat Indispense Refill Syringe

ULT0645 

Viscostat Wintermint 30ml Indispense Refill

ULT0643 



Viscostat Clear
ULTRADENT

25% Aluminium Chloride haemostatic gel stops minor bleeding in the aesthetic zone. The transparent gel leaves no residue and rinses off easily. The direct syringe delivery system provides added convenience in placement and eliminates waste. Recommended for anterior restorations.

Indispense Kit:

1 x 30ml Indispense, 20x Metal Dento-Infusor Tips, 20 x 1.2 ml Syringes

ULT6407 

Indispense Refill: 1 x 30 ml Syringe Refill

ULT6408 

Syringe Mini Kit: 4 x 1.2 ml prefilled syringes,
20 x Metal Dento-Infusor Tips

ULT6409 

Econo Refill: 20 x 1.2 ml Prefilled Syringes

ULT6410 



Astringedent®
ULTRADENT

The only American Dental Association accepted haemostatic solution available. Astringedent® is an aqueous, 15.5% ferric sulphate haemostatic solution that is more tissue kind than other ferric sub-sulphate solutions. It is highly recommended as being effective and easy to use for control of bleeding, sulcular fluid and an excellent alternative to formocresol when performing vital pulpotomies.

30ml bottle

ULT0111 

30ml Indispense refill syringe

ULT0686 



Astringedent®X
ULTRADENT

Astringedent X is an aqueous 12.7% iron solution containing equivalent ferric Sulphate and ferric sub-Sulphate for difficult-to-stop, problem bleeding.

30ml Bottle

ULT0112 



Hemodent™
PREMIER

Effectively stops minor gingival bleeding. Epinephrine free to help avoid cardiac reactions. Recommended to arrest bleeding during crown preparations, before impression taking, placing of fillings, cement bases or cementing inlays or crowns.

10cc Bottle PRE7071 

40cc Bottle PRE7073 

TISSUE MANAGEMENT



Place Traxodent™



After 2 minutes,
rinse away



Traxodent™
PREMIER

Traxodent – Predictable, Absorbent, Fast! Superior haemostasis and gentle retraction in just 2 minutes.

- Fast & Predictable haemostatic paste with 15% aluminium chloride
- Sleek syringes and tips make application fast & easy!
- Replaces 2nd cord in double cord technique
- Economical with low ongoing costs

Premier Traxodent Value Pack x25 syringes and 50 applicator tips

PRE7091

Premier Traxodent Starter Pack x7 syringes and 15 applicator tips

PRE7093

Premier Traxodent Applicator Tips X50

PRE7092



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



Expasyl™

PIERRE ROLLAND/ACTEON GROUP

Expasyl is injected into the sulcus by using an applicator. A sulcular opening is obtained in between 30 seconds and 2 minutes, depending on gum texture. The end result is a dry, wide open sulcus with access to the cervical margins. Expasyl is suitable for use with dental impressions with conservative dentistry, when restoring class II and V caries, placement of rubber dam, placement of orthodontic bands, and apical surgery.

Expasyl Premium Kit

Contains 1 x Applicator, 10 x Expasyl carpules (strawberry)
40 x single use tips

PR-EXPKPRE

Refills

Pack 20 refill strawberry carpules

PR-EXCAP20

Pack 10 refill strawberry carpules

PR-EXCAP10

Pack 20 refill original carpules

PR-EXPR

Pack 40 disposable tips

PR-EXPC

Pack 100 disposable tips

PR-EXPTIP100

Pack 40 disposable tips, pre bent

PR-EXPTIPBENT40

Pack 100 disposable tips, pre bent

PR-EXPTIPBENT100

Applicator

Can be autoclaved

PR-260900



Preparation



Injection of Expasyl



Sulcus open and dry ready
for impression

TISSUE MANAGEMENT



Hemostasyl
PIERRE ROLLAND

Haemostatic dressing with mechanical action to stop moderate bleeding and sulcular fluid in all routine dental procedures. Thanks to the high thixotropicity and astringent properties of 15% Aluminium Chloride, Hemostasyl achieves efficient haemostasis in less than 2 minutes by combining both chemical and mechanical actions when applied with a calculate and moderate pressure.

The disposable angled cannulas provide precise application directly to the bleeding reducing the risk of waste and shortening the contact time. Hemostasyl ensures excellent adhesion to the gingival mucosa without any compression and can be washed away with a spray afterwards. The paste is completely painless on healthy periodontium.

Starter Kit

Contains 2x2g syringes, 40 disposable tips

PR-HEMOSKIT 

Refills - Pack 2x2g syringes

PR-HEMOSSYR 

Pack 40 disposable tips







PR-HEMOSTIPS 

RETRACTION CORD



Ultrapak® Retraction Cord
ULTRADENT

Ultrapak cord is made of 100% cotton, knitted into thousands of tiny loops forming long interlocking chains. The unique knitted design exerts a gentle continuous outward force following placement as knitted loops seek to open. Ultrapak cord is designed to enhance the ViscoStat/Astringent and Dento-Infusor Tissue Management Technique; however, conventional techniques using alum, aluminum chloride, etc., are also enhanced when using Ultrapak plain knitted cords, as they carry significantly greater quantities of haemostatic solution than conventional cords. SIZE

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

UltraPak Kit (Sizes: 00, 0, 1, 2.)

ULT0130 

IMPRESSIONS & BITE REGISTRATION

RETRACTION CORD



Hemodent Cord
PREMIER

Hemodent Cords already are impregnated with Hemodent Liquid. The cord has a pliable consistency to be easily packed subgingivally without fraying.

Braided Cord Medium – Thin

PRE7067 

Twisted Cord #3

PRE7077 

Twisted Cord #9

PRE7078 



Futar
KETTENBACH

Futar – the convenient classic: hard A-Silicon with convenient working time, accurate results and the utmost comfort.

Futar Bite Registration, 2 x 50ml cartridge + 12 mixing tips

KET11912 

Futar D

Futar D – extra hard bite registration material with convenient working time, accurate results, no bounce.

Futar D Bite Registration, 2 x 50ml cartridge + 12 mixing tips

KET11932 

Futar D FAST Bite Registration, 2 x 50ml cartridge + 12 mixing tips

KET11961 

CEMENTATION & LUTING



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)



PermaFlo® 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 



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 orInspiral 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 Leur 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 



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 PQ1 or PermaQuick Bonding resin, it will produce the highest bond strength to porcelain compared with other porcelain bonding products¹. 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, FACD, "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



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 desensitiser.

3gm

PRE14208



Ceraglace

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.

Ceraglace Kit

NTI-SET1588



PRE-POLISH - Refills: Pack of 3 of each kind. Max rpm 15,000



NTI-P332 NTI-P333 NTI-P335 NTI-P336

REFINED - Refills: Pack of 3 of each kind. Max rpm 10,000



NTI-P3032 NTI-P3033 NTI-P3035 NTI-P3036

HIGH SHINE - Refills: Pack of 3 of each kind. Max rpm 5,000



NTI-P30032 NTI-P30033 NTI-P30035 NTI-P30036

POLISHING - LABORATORY

Ceraglaze for Laboratory

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.

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



**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



**FOR OUR FULL LABORATORY CATALOGUE
ON CDROM CONTACT
GUNZ DENTAL ON 0800 30 10 10.**

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.



ZENO® Light
WIELAND & TECKNIK

- Dual LED light stems for the detection of hairline cracks and defects in all ceramic restorations prior to final cementation
- Two sizes to suit anterior and posterior restorations
- Great diagnostic tool for final quality checks after adjustments and polishing



ZENOSTAR - Full Anatomical, Full Contour Restorations
WIELAND & TECKNIK

ZENOSTAR single-piece all-zirconium oxide restorations - milled in a fully automatic process - make it possible to produce crowns and bridges from a white, aesthetically pleasing biocompatible material with a translucence comparable to that of natural dentition.

The advantages of zirconium oxide:

- High-quality all-ceramic material
- White: no discolouration at the edge of the gingiva
- The T1 makes this material easy for the lab to work with
- High aesthetics
- No veneering necessary
- Translucent, tooth shades



All-cast non-precious metal crowns



Flaking on a PFM crown



Full-contour ZENOSTAR crown



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, Zirox for layering onto zirconia and Reflex for metals. With these materials and their experience, Wieland brings productivity to the surgery and the laboratory.



ALLUX STARTER KIT



ZIROX ADD ON SET

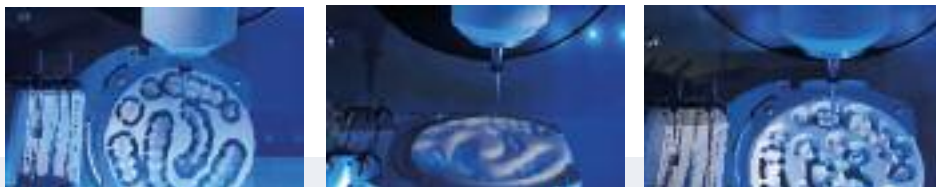


REFLEX CLASSIC SET

JOIN THE ULTIMATE LABORATORY CAD/CAM GENERATION ZENOTEC T1 by Wieland

- 5 Axis Milling
- "Plug & Play" Technology
- Touch Screen Operation
- Automatic Material and Tool Changer
- Will Accept Standard STL Files

Join the ultimate laboratory CAD/CAM generation and find out how WIELAND's ZENOTEC T1 tackles the actual issues in the laboratory, please register your interest by contacting Gunz Dental at info@gunz.co.nz



While processing, tool and blank move simultaneously towards each other; similar to the manual fabrication process. Resulting in higher precision and speed.

WIELAND
ZENOTEC T1



"When it comes to milling centres for a new era, discussion is centered around size, weight and productivity. Why not intelligence?"