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 CONTENTS

PREPARATION 27-28
TISSUE MANAGEMENT 29-305
IMPRESSIONS 31
BITE REGISTRATION 32
TEMPORISATION 32
CEMENTATION & LUTING 33-34
POLISHING — CHAIRSIDE 35
POLISHING — LABORATORY 36
CAD/CAM MILLING 37
CERAMICS — LABORATORY 337
ZERO TEC MILLING 38
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

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

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
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
**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.

**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**
ULT0111

**30ml Indispense refill syringe**
ULT0686

**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 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

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

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-HEMODSKIT

Refills - Pack 2x2g syringes
PR-HEMOSSYR

Pack 40 disposable tips
PR-HEMOSSTIPS

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, 20 x Expasyl carpules (strawberry)
40 x single use tips
PR-EXPKPRE

Refills
Pack 20 refill strawberry carpules
PR-EXCAP20
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.
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

Luxatemp® Fluorescence

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.

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

SMARTMIX DELIVERY – Refills
All refills contain 1 x 15g syringe and 10 Smartmix tips
Shade A1  RG0718
Shade A2  RG7190
Shade A3  RG0720
Shade A3.5 RG0721
Shade B1  RG0722
Shade Bleach Light RG0723

MixStar eMotion

Fully automatic MixStar eMotion mixing unit provides the highest quality for all your impressions:
• Speed monitoring and electronic speed control
• Optional foot pedal, 3 speed levels
• Suitable for ALL cartridges and foil bags
• Bubble-free material quality
• Perfect mixing ratio
• 2 timers for working & setting time

MixStar eMotion  RG0484
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)

<table>
<thead>
<tr>
<th>Shade</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>RG3038</td>
</tr>
<tr>
<td>A2.5</td>
<td>RG3039</td>
</tr>
<tr>
<td>A4</td>
<td>RG3040</td>
</tr>
<tr>
<td>B1</td>
<td>RG3041</td>
</tr>
<tr>
<td>Bleach light</td>
<td>RG3042</td>
</tr>
<tr>
<td>Transparent</td>
<td>RG3043</td>
</tr>
<tr>
<td>White</td>
<td>RG3044</td>
</tr>
<tr>
<td>Pink</td>
<td>RG3045</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Viscosity</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>High</td>
<td>RG3046</td>
</tr>
<tr>
<td>Low</td>
<td>RG3047</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Shade</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>RG3048</td>
</tr>
<tr>
<td>A2.5</td>
<td>RG3049</td>
</tr>
<tr>
<td>A4</td>
<td>RG3050</td>
</tr>
<tr>
<td>B1</td>
<td>RG3051</td>
</tr>
<tr>
<td>Bleach light</td>
<td>RG3052</td>
</tr>
</tbody>
</table>

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

Smartmix Tips Brown 4:1 x50
RG3058

Try In Paste Catalyst Shade 1.3g syringe
RG3056

Veneer Tips x100
RG3057

LuxaBond Total Etch
DMG

Perfectly compatible with all commercially available self-curing and dual-curing materials such as LuxaCore, Vitique, and PermaCem. Since it cures even without light, it is especially well-suited for challenging adhesive cementations of posts, core build-ups, inlays, onlays, crowns, and bridges.

LuxaBond Total Etch Intro Kit
RG2384
CEMENTATION & LUTING

PermaQuick® Primer & Bonding Resin

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

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

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 Leur Lock Plastic Syringes (pack of 100)
ULT0157
Valuepack Contains:
UltraEtch Indispense Refill (ULT0685), Blue Micro Tips (ULT0127) and Luer Lock Plastic Syringes (ULT0157)
ULTAETCH-VALUEPK

Porcelain Etch and Silane

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 products. This product is suitable to use for ceramic inlays, onlays, veneers and crowns.

Porcelain Etch Refill - 2x 1.2ml
ULT0406
Silane Refill - 2x 1.2ml
ULT0410

1. Reference available upon request
**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

**Luminescence Plus Diamond Polishing Paste**
PREMIER


3gm

**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

---

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

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

36
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.

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.

For our full laboratory catalogue on CDROM contact Gunz Dental on 1800 025 300.