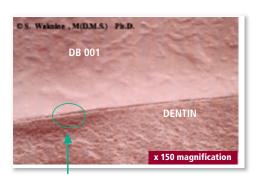
7th Generation Bonding

- Mimics the properties of Natural Tooth Structure
- Delivers long lasting superior adhesion
- Marginal Integrity: Thin, Tough, Microgap Free
- Total Adhesive Thickness: 5μm interface CURE UNIVERSAL ADF
- Less Post Operative Sensitivity

DB001 - Conditioning yields 2µm uniform
Tubuli openings maintaining Intra & Inter-Tubular
Dentin Structure intact
I



DB 001 - Salicylic Lactic conditioning, synthetic Collagen priming, PEX-HEMA adhesive coating

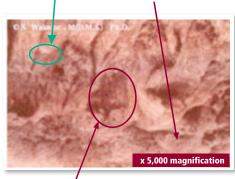


ABORATORIE

MADE IN U.S.A

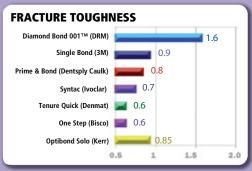
Uniform 5µm Layer





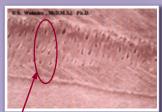
DB 001 - Polypeptide Interfacial Linkage

SUPERIOR STRENGTH



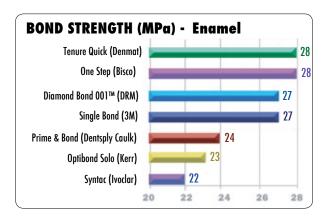


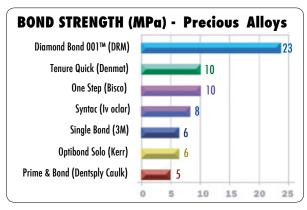
DB 001 Salicylic-lactic conditioning ensures uniformdilation for maximum adhesive depth up to 70 microns, ensuring the elimination of microleakage and premature failure

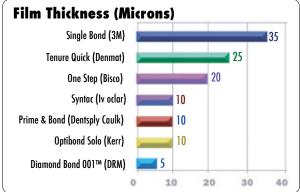


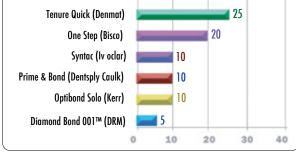
70 μm microinfiltration of DB 001 into dentinal tubuli

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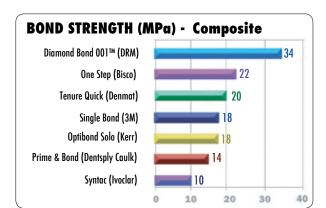
DiamondBond 001 Kit

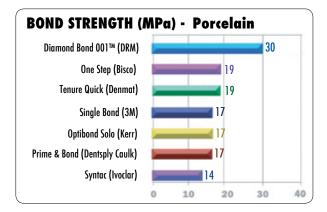
DB250K

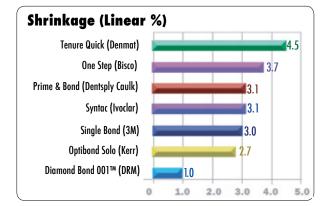
Kit Contents:

- 1 7cc vials of Conditioner,
- 2 7cc vials of Universal Adhesive Resin, (1) Catalyst & (1) Base **Trifunctional* Catalyst + Base = Auto-Cure & Visible Light Cure, Base - Visible Light Cure only,
- 50 Disposable Brush Tips,
- 3 Brush Holders, 2 (12) Cavity Disposable Wells









Diamond Bond001™ Refills

DB251

DDZJI	
DB252	DiamondBond 001 Universal Adhesive Base - VLC $7lpha$
DB253	DiamondBond 001 Universal Adhesive Catalyst - Auto $7lpha$
DB212	Brush Tips 50/Bag
DB213	Brush Holders 3/pkg
DB214	Disposable Wells 2/pkg

DiamondBond 001 Conditioner 7a



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THE MOST ADVANCED PATENTED FORMULA



Recommended for:

Class I, II, III, IV, V RestorationsAesthetic Direct Laminate Veneers



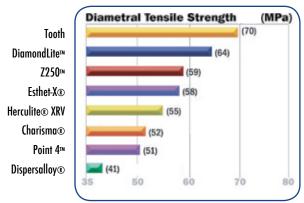
OPTIMUM PERFORMANCE

Amorphous Glassy Polymer

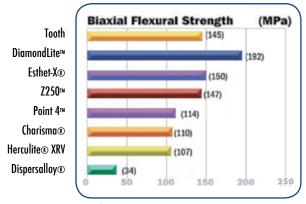




SemiCrystalline Polymer (prismatic effect)



A trivectoral measurement clinically significant because chewing involves three vectors of force Compressive strength, Shear strength, & Tensile strength (profile strength)

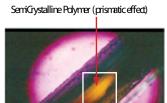


Important in assessing fracture resistance, 3-point bend/transverse strength

Advantages of using DiamondLite for Direct Applications:

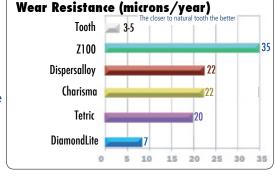
- PolyCrystalline PEX Matrix, Masticatory Cydic Fatique Resistant, High Fracture Toughness
- NanoCeram reinforcing phase, Oligomer particulate interface, Shock Absorbing, Ultimate Wear Resistance
- · Unique particulate morphology, Ultimate Reinforcement and Handling Characteristics
- Thixotropy (shape-memory, anti-slumping properties) Easy to Model, Carve, Shape and Anatomically Contour
- High Purity Catalysis, Superb Color Stability and Accurate Shade Match
- Super-Hydrophobic Character, absence of solubility & negligible sorption, providing for Ultimate Langevity
- Very low shrinkage (0.5 linear) guarantees Excellent Marginal Fit.
- Crystalline Matrix allows for key advantages, including;
 - Toughness and Low Shrinkage
 - Refractive Index, Chameleon-like Effect
 - Specular Reflectance, Gloss & Luster Value
 - Wear Resistance similar to Natural Tooth
 - Biocompatible and non-Cytotoxic

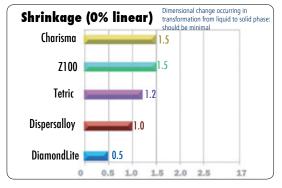




DiamondLite is formulated in (16) Vita-equivalent shades/color, A1-D4 and (4) SuperBrite colors - XL, L, M, OP - Neutral B1 shades units of opacity - 20-35-50-80, available in Syringeand Indi-Dose carpule delivery systems.





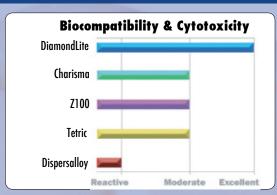


For More information call DRM RESEARCH LABORATORIES, INC.,
TEL: (203)488-5555, TOLL FREE: (888)DRM-BOND [376-2663], FAX: (203)488-2821
E-mail drmbond@drmco.com or visit our website www.drmco.com
P.O. Box 408, Branford, Connecticut 06405 USA

BIOCOMPATIBLE & NON CYTOTOXIC!

For Fibroblast Cell Toxicity, MEM (minimal essential medium) Elution, Human Blood Hemolysis, implant-Intramuscular Reactivity, Intracutaneous Reactivity Extract, and Systemic Injection Extracts, all Diamond restorative products scored zero, making their Biocompatibility rating "excellent".

All Diamond restoratives do not contain any cytotoxic metallic ion constituents, any evaporable methacrylic acid constituents or any chemistry that yields mucous membrane irritation, fibroblasts changes, epithelial changes, microabcesses formation, lysis or hemolytic behavior.



THE ELITE OF DENTAL RESTORATIVES

For Unrivalled strength and cosmetic results this unique PolyCrystalline NanoCeram dental restorative and Prosthodontic material is formulated in:

(92) Vita-Equivalent shades/color, A1-D4: Metal-Opaque(17),Opaque Dentin(16), Dentin(16), Enamel(16), Incisal(6), Chroma-Modifiers(4), Intensifiers(10) Neutral-SuperWhite(5), Glaze(1) and Clear-Coat(1).

Class I, II, III, IV, V Restorations
Porcelain Fracture Repairs
Chairside Direct/Indirect Inlays, Onlays

and Laminate Veneers

Metal-Free Crowns

USING DIAMONDCROWN FOR IMPLANT SUPERSTRUCTURE

DiamondCrown allows for Immediate loading of Integrated Implant Permanent Crowns!

DiamondCrown's Shock Absorbing, Tough, Ductile nature dissipates masticatory energy allowing for **Accelerated Osseointegration**.

Due to DiamondCrown's Shock Absorbing Characteristics, Wear Resistance and the ability to chairside repair and reaugment, it is **ideal for** Occlusal Rehabilitation (TMJ Syndrome, Bruxers/Habitual Clenchers)



Direct Restoration of a Traumatized

Lateral Incisor



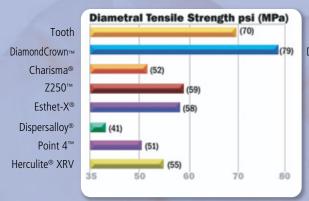
DiamondCrown

Stratification technique

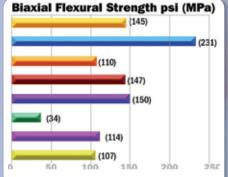
18 Years Clinically Proven

6 Years Post-Op.

SUPERIOR STRENGH





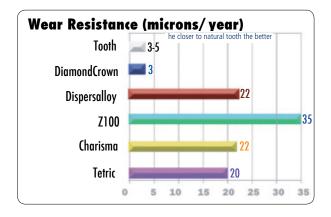


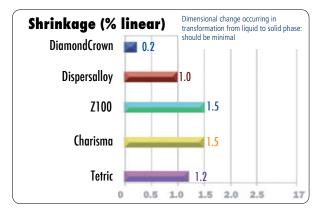
SemiCrystalline PEX Matrix,

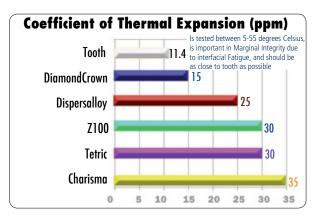
Masticatory Cyclic

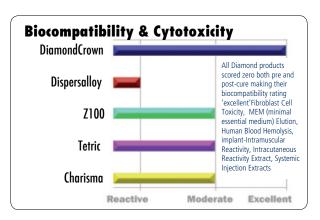
Masticatory Cyclic Fatigue resistant, High Fracture Toughness

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Comparative analysis charts denote brand names that are sole registered trademarks of the corresponding Manufacturers. $\ \textcircled{2014}$

Advantages of using DiamondCrown for Direct Applications:

- PolyCrystalline PEX Matrix, Masticatory Cyclic Fatigue Resistant, High Fracture Toughness
- NanoCeram reinforcing phase, Oligomer particulate interface, Shock Absorbing, Ultimate Wear resistance
- Unique Polymer makes DiamondCrown Easy to Augment Intraorally due to Bond Strength of 27MPa
- Ideal for Occlusal rehabilitation (Especially with TMJ Syndrome, Bruxers/Habitual Clenchers) due to it's shock absorbing characteristics, wear resistance, and ability to repair and reaugment
- DiamondCrown's shock absorbing, tough, ductile nature dissipates masticatory energy allowing for Accelerated Osseointegration
- Unique particulate morphology, Ultimate Reinforcement and Handling Characteristics
- Thixotropy (shape-memory, anti-slumping properties) Easy to Model, Carve, Shape and Anatomically Contour
- High Purity Catalysis, Superb Color Stability and Accurate Shade Match
- Super-Hydrophobic Character, absence of solubility & negligible sorption, providing for Ultimate Longevity
- Very low shrinkage (0.2 linear compared to 17% for regular porcelain) guarantees
 Excellent Marginal Fit.
- Breakthrough metal-coupling chemistry produces Stable Bond to Nickel, Chrome, Gold, Zirconium, Titanium & Non-Precious Alloys.
- Crystalline Matrix allows for key advantages, including;
 - Toughness and Low Shrinkage
 - Refractive Index, Chameleon-like Effect
 - Specular Reflectance, Gloss & Luster Value
 - Wear Resistance similar to Natural Tooth
 - Biocompatible and non-Cytotoxic



The tooth pictured was made entirely from the revolutionary liquid crystal based DiamondCrownTM PolyCeram material





DUAL CURE LUTING CEMENT & FLOWABLE BASE

Tighly Reinforced Matrix 74% Filled (wt.)

W Ultra low film thickness (13 μm)

Fantastic Marginal Integrity

Super High Toughness (shock absorbing)

Super Hydrophobic (color stable & stain resistant)

Universal Dental
Bonding System
Dual Cure
Enamel, Dentin, Resin,
Ceramic and Metal for:

Crown & Bridge
Inlays & Onlays
Laminate Veneers
Implant Superstructure
Pins, Post/Core
Splints & Ortho-Brackets
Pit & Fissure Sealant
Flowable Cavity Liner/Base
Temporary Crown Material

Strength (MPa)	BIOCOMPATIBILITY	Index Reactivity
Diametral Tensile Strength	Systemic Injection Extracts	0
59 MPa	Intracutaneous Reactivity Extract	0
Flexural Strength	Implant-Intramuscular Reactivity	0
145MPa	Human Blood Hemolysis - Donor Subjects	0
with PEX Film Thickness: < 15 microns	СҮТОТОХІСІТҮ	0
(ADA max: 40 microns)	fusion (L929 Fibroblast Cell Culture)Agar Dif	0
	MEM Dilution (L929 Fibroblast Cell Culture)	0

DIAMONDLINKTM PROPERTIES

Macrorigid/Microelastic; stress-dissipating interface	Fracture Toughness 1.6 MPa·m-1/2		
Injectable luer-lock dispensing delivery system	Yes		
Biocompatible and non cytotoxic	Index Reactivity 0		
Degradation/Solubility	Superhydrophobic		
High-Fracture Resistance: Diametral Tensile/Flex. Strength psi (MPa)	8,555/21,025 (59/145)		
Thermo-dimensionally Stable	LCTE-25 ppm		
High Marginal Integrity	0.65% Linear Shrinkage		
Aesthetic	Available in Vita. Equivalent shades: Trans. B1, Natural A2, Yellow B3 (tooth-like refractive index)		
Radiopaque	Yes		
Light, Auto, or Dual-cure	All (3) modes		
Ideal Film thickness	13μm		
Optimum Reinforcement	74% wt. (64% vol.)		
Color Stable	99%+alpha		



Master Kit

DiamondLink™ Universal Dental Polyglass Bonding System

Dual-cure Enamel, Dentin, Metal & Ceramic Inlay, Onlay, Laminate Veneers, Crown & Bridge, Implant Superstructure, Pins, Post/core, Splints & Ortho- Brackets,

Pit & Fissure Sealant, Flowable Cavity Liner/base

1- DiamondLink Refill Kit Contents

1- DiamondBond 001 Kit Contents

able)

10 - DiamondLite Polishing Discs 1 - Stainless Steel Polishing Disc Mandrel (Sterilizable / Autoclav 1 - DRM Stainless Steel Placement Instrument; Carver-Packer (Sterilizable / Autoclavable)

1- 7.5cc Polishing Paste Jar 1- 5cc Etch Gel Conditioner 1- Bag (10) L.L. Disposable Needles

DK300K

DiamondLink™ **Refill Kit**

Universal Dental Polyglass Bonding System Dual-cure Luting Cement

6 - Syringes - 5.0 grams ea. Total 30 grams. Vita Equivalent Colors / Shades:

B1 - Translucent, A2 - Natural, B3 - Yellow (1) Catalyst & (1)Base**Trifunctional**, Catalyst = Try-In Catalyst + Base = Auto-Cure & Visible Light Cure, Base = Visible Light Cure only

1 - 5.0g Catalyst Cement (Dual-Cure) B1, 1 - 5.0g Catalyst Cement (Dual-Cure) A2,

1 - 5.0g Base VLC Cement (Dual-Cure) B1

1-5.0g Base VLC Cement (Dual-Cure) A2 1-5.0g Base VLC Cement (Dual-Cure) B3

1 - 5.0g Catalyst Cement (Dual-Cure) B3,

DK301K



DiamondLink™ Refills

DK302	DiamondLink Cat. Cement B1 Translucent (5g)
DK303	DiamondLink Base Cement B1 Translucent (5g)
DK304	DiamondLink Cat. Cement A2 Na tural (5g)
DK305	DiamondLink Base Cement A2 Natural (5g)
DK306	DiamondLink Cat. Cement B3 Yellow (5g)
DK307	DiamondLink Base Cement B3 Yellow (5g)



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For More information call DRM RESEARCH LABORATORIES, INC., TEL: (203)488-5555, TOLL FREE: (888)DRM-BOND [376-2663], FAX: (203)488-2821 E-mail drmbond@drmco.com or visit our website www.drmco.com P.O. Box 408, Branford, Connecticut 06405 USA



70% filler reinforced (wt.), [61% vol.]

Highly reinforced yet extremely flowable

Unique controlled flowable technology

Thixotropy shape memory, antislumping properties

Superb bonding integration for maximum adhesion

Easily accesses the most difficult preps

CLINICAL RESTORATIVE INDICATIONS

CLASS I CONSERVATIVE FILLINGS
CLASS V RESTORATIONS
CERVICAL EROSION REPAIRS

LINER
BASE
TUNNEL PREPS
BLOCKOUT MATERIAL

OUTSTANDING STRENGH

	Diametral Tensile Strength(MPa)	Biaxial Flexural Strength (MPa)	Barcol Surface Hardness (3mm-T/B)	Fracture Toughness [Kicsr] (MPa m-1/2)
DiamondFlow™ (DRM)	55.5	176.4	99/97	2.0
Esthet-X-Flow™ (Dentsply)	47.6	136.1	97/96	1.2

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Strong · Tough · Beautiful

The NanoCeram PolyCrystalline PEX Matrix simulates the Functional-Aesthetics of NATURAL TOOTH!



DK315K DIAMONDFLOW MASTER KIT
DK316K DIAMONDFLOW REFILL KIT

Shades: A1, A2, A3, A3.5

& UNIVERSAL

DK320 DIAMONDFLOW SYRINGE

Universal (5g)

DK321 DIAMONDFLOWSYRINGE A1 (5g)

DK322 DIAMONDFLOWSYRINGE A2 (5g)

DK323 DIAMONDFLOWSYRINGE A3 (5g)

DK324 DIAMONDFLOWSYRINGE A3.5 (5g)



ADVANTAGES OF NANOCERAM POLYCRYSTALLINE TECHNOLOGY

- PolyCrystalline PEX Matrix, Masticatory Cyclic Fatigue Resistant, High Fracture Toughness
- NanoCeram reinforcing phase, Oligomer particulate interface, **Shock**Absorbing, Ultimate Wear resistance
- Unique particulate morphology, Ultimate Reinforcement and Handling Characteristics
- Thixotropy shape-memory, anti-slumping properties
- Super-Hydrophobic Character, absence of solubility & negligible sorption, providing for **Ultimate Longevity**
- Crystalline Matrix allows for key advantages, including;
 - Toughness and Low Shrinkage
 - Refractive Index, Chameleon-like Effect
 - Specular Reflectance, Gloss & Luster Value
 - Wear Resistance similar to Natural Tooth
 - Biocompatible and non-Cytotoxic



Allows Optimum Aesthetic Possibilities for Laboratory Technicians

Achieve a final result closer to natural tooth than anything else

Integrated Implant Superstructure

Porcelain Fused Metal Shear Strength = **12MPa**DiamondCrown Integrated Implant Superstructure to Titanium Abutment Post, Shear Bond Strength = **35MPa**

Base Line on Master Model





3 years In-Vivo Correlation.
DiamondCrown IDC
Accelerated Cyclic Fatigue
Studies Cross Section – shows high
interfacial integrity

DiamondCrown allows for Immediate loading of Integrated Implant Permanent Crowns!

DiamondCrown's Shock Absorbing, Tough, Ductile nature dissipates masticatory energy allowing for **Accelerated Osseointegration**.

Due to DiamondCrown's Shock Absorbing Characteristics, Wear Resistance and the ability to chairside repair and reaugment, it is **ideal for Occlusal Rehabilitation (TMJ Syndrome, Bruxers/Habitual Clenchers)**

18 Years Clinically proven over 15 million cases!

Crown and Bridge, Inlays/Onlays, Laminate Veneers [Metal Free]



5 yrs Post-Op.: 3 Unit DiamondCrown Posterior Bridge, Alloyless-Fiberless-Flawless Biomechanics.A Balance of Microelasticity and Macrorigidity.





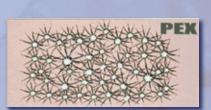
3-Unit Posterior Bridgework Alloyless, Fiberless

The Average Human Masticatory Force:
Anterior Tooth = 9MPa
Posterior Tooth = 31MPa
Bruxer (posterior) Tooth = 41MPa
Integrated DiamondCrown

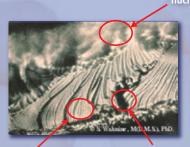
Implant Superstructure will withstand: **500MPa**!



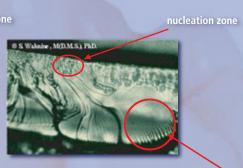
NANOGERAM POLYCRYSTALLINE PEX MATRIX



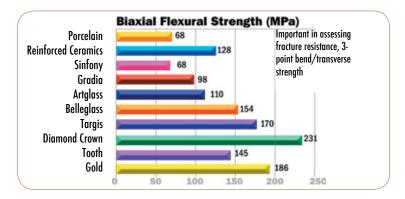
Microcrystalline Structure - durable & ductile PEX = Macrorigid and Microelastic

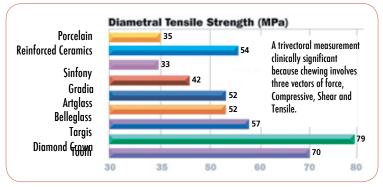


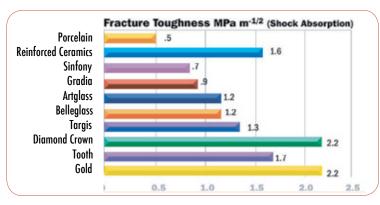
lamellar crystalline zone amorphous zone (glassy polymer) shock absorbing - microelastic macrorigid - architectural stability

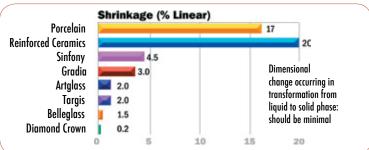


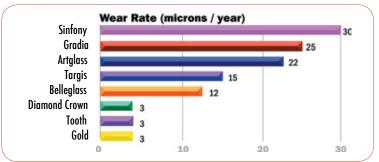
high density lamellar growth













DiamondCrown 3 Single Unit Anterior Crowns on Model

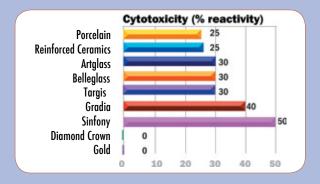


7 yrs Post-Op. - Superb Aesthetic Vitality and Tissue Compatibility. Note: Lack of Plaque Adhesion and Excellent Gingival Tissue Response

ntra-Oral Post-Op - Superb Aesthetic Vitality and Tissue Compatibility.

Advantages of using DiamondCrown for Indirect Applications:

- PolyCrystalline PEX Matrix, Masticatory Cyclic Fatigue Resistant, High Fracture Toughness
- NanoCeram reinforcing phase, Oligomer particulate interface, Shock Absorbing, Ultimate Wear resistance
- Breakthrough metal-coupling chemistry produces Stable Bond to Nickel, Chrome, Gold, Zirconium, Titanium & Non-Precious Alloys
- Unique Polymer makes DiamondCrown Easy to Augment Intraorally due to Bond Strength of 27MPa
- DiamondCrown's shock absorbing, tough, ductile nature dissipates chewing energy allowing for Accelerated Osseointegration
- DiamondCrown PEX Matrix dissipates masticatory energy, a dampening-like effect, which allows for the Immediate Loading of Implant Crowns.
- Unique particulate morphology, Ultimate Reinforcement and Handling Characteristics
- Thixotropy (shape-memory, anti-slumping properties) Easy to Model, Carve, Shape and Anatomically Contour
- High Purity Catalysis, Superb Color Stability and Accurate Shade Match
- Super-Hydrophobic Character, absence of solubility & negligible sorption, providing for Ultimate Longevity
- Very low shrinkage (0.2 linear compared to 17% for regular porcelain) guarantees Excellent Marginal Fit.
- Crystalline Matrix allows for key advantages, including;
 - Toughness and Low Shrinkage
 - Refractive Index, Chameleon-like Effect
 - Specular Reflectance, Gloss & Luster Value
 - Wear Resistance similar to Natural Tooth
 - Biocompatible and non-Cytotoxic





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All Diamond **Curing Lights Cure ALL** Composites **GUARANTEED!**

WHOLE NEW LEVEL OF PERFORMANCE

DIAMONDLITETM TURBO-HALOGEN



ED800V12

Clinical Indication: Photopolymerization of PolyGlass / PolyCeram Dental Restorative

Includes:

- 1 -power base/stand with digital keypad VLC-Halogen unit
- 2 light probes; 1 regular-11mm & 1 turbo-8mm
- 1 LCD display including;
 - 20 sec. (400-800 mW/cm2 ramped action)
 - auto. mode regular cure
 - 40 sec. (300-600 mW/cm2 ramped action) -auto. mode regular cure
- 5L (5 sec.)(400 mW/cm2) auto. mode turbo cure including automated ramped action
- 10H (10 sec.)(600-700-800-900-1000-1100 mW/cm2) auto mode turbo cure and bleaching including automated ramped action
- 1 LCD display port built in radiometer, including (mW/cm₂) irradiance intensity
- 1 VLC gun with 180cm cord including actuating fingertip touch pad
- 1 light probe custom fit protective shield
- 1 protective eyewear

DIAMONDLEDTM

Wavelength Range:440-490 nm Irradiance Intensity: min. 800mW/cm² Curing Time: 20 seconds per cycle with Intermittent Beep Every 10 Seconds. Total Exposure Time with New Fully Charged Battery: (900sec.) ~ 45 cure cycles.

- 1 Re-Charge Base Control Power Indicator ~ (green LED) Charging Indicator (orange LED)
- 1 Cordless Handpiece Start / Stop Button Ready Indicator (green)
 Charge Indicator (yellow)
 1 - Turbo Light Probe Tip-13 / 8mm
- 1 Nickel-Metal Hydride Battery
- 1 Auxiliary Power Cord
- 1 Light Probe Protective shield



Clinical Indication: Photopolymerization of PolyGlass / PolyCeram **Dental Restorative**

DIAMONDPLASMATM

Clinical Indication: Photopolymerization of PolyGlass / PolyCeram Dental Restora **Tooth Whitening / Bleaching Procedures** for Dental Clinic - Dentist Xenon Plusma Arc 1-3-6-10 Seconds Cure Time



- 1 Base stand with digital keypad display-Xenon Plasma Arc unit.
- 2 magnetic R-angle light probes (360° revolution), 8mm
- 1 light emitting (fiber-optic) 180cm (6 ft.) bundle cord with stainless steel encased optics and automated auick-release finaertip actuated trigger
- 1 custom fitted protective shield
- 20 plastic (neoprene) red light-probe protective cones
- 1 LCD digital display, including; auto. mode touch pad programming; @ 100% intensity, includina:
 - 1. 3 sec.-BL (Bleaching) =1400 mW/cm² (coned)@8mm distance) 2500 mW/cm² (unconed)
 - II. 6 sec.-SC (Step-Cure) = 600-1400 mW/cm2 (coned), 1200-2500 mW / cm2 (unconed)
 - III. 6 sec.-RA (Ramped-Cure) =600-1200 mW/cm2 (coned), 1200-2500 mW/cm2 (unconed)
- IV. 10 sec.-NM (Continuous Cure) =1400 mW/cm₂ (coned), 2500 mW / cm₂ (unconed) st mode (iv) can further include intra-parametric variables whereby each mode can be used @ 4 variable intensities; 50-60-80-100% and 4 variable exposure times; 1-3-6-10 sec.
- 1 LCD-digital display / port, built-in radiometer indicating (mW/cm₂) irradiance intensity.

DIAMONDLEDTM MINI

High output - 6 Seconds at high intensity for most composites

Shaped to be held like a dental Handpiece

Size: 15cm (6 in.) Weight: 30g (1 ounce)

Single click - 1000mW/cm2 Ultra High Intensity:

Double click - 500mW/cm2

High Intensity: Single click - 700mW/cm2

Double click - 500mW/cm²

Wavelength Range:450-490 nm Variable irradiance intensity.

Ultra High and High Intensity LED - 5000 hours min. lifetime

Continuous operation with intermittent loading - 16 sec. On - 15 sec. Off

1 - LED Handpiece w/8mm tip 2 - Eyeshields

50 - Curing Sleeves 1 - Hand-piece Hanger

ED802HV12 Type 1 - 700 mW/cm2 ED802UV12 Type II - 1000 mW/cm2

Clinical Indication: Photopolymerization of PolyGlass / PolyCeram **Dental Restorative**





DIAMONDCROWN™ FOTOKUR™ F/X™ CURE BOOTH

Recommended for DiamondCrown™
Chairside and DiamondCrown™
Laboratory Systems.
Digital Readout Display (seconds/minutes)
Cycle indicator, Automated turntable,
reflector / vented chamber, air cooled 300 mW Power,
500 mW/cm², 400-550 nm, < 60 C / 140 F degrees
internal chamber temperature throughout cure cycle.



Programmable digital microprocessor display includes four (4) cure cycles; Phase I: 1-4 min. exposure for Opaque Dentin, Dentin Intensifiers, and Dentin Chroma Modifiers, 0.25-1.5mm Layer.

Phase II: 2 min. exposure for Dentin, 0.5-3mm layer,
Phase III: 1 min. exposure for Enamel, 0.25-3 mm layer,

Phase IV: 1 min. exposure for Incisal, 0.25-3mm layer.

Phase V: 1 min. exposure for Modeling Liquid. Phase VI: 3 min. exposure for Glaze or

SuperClear CoatStart / Stop cycle; audible beep, light protective viewing port / window. Multiple Voltage Unit -100-250V

Clinical Indication:

Photopolymerization of PolyGlass / PolyCeram Prosthetic Materials, Indirect Prosthetic System Halogen Cure Booth; Dental Clinic Direct / Indirect technique and Laboratory Technologist



DIAMONDLITETM VLC/IR DIGITALRADIOMETER

DiamondLite™ VLC / IR (dual-range digital Radiometer (mW/cm²) for verification of VLC (visible) irradiance intensity & IR (infrared/heat) emitting component associated with any VLC photopolymerization unit; Halogen, LED, Xenon Plasma Arc

2 - 8mm (I.D.) photosensitive ports: VLC and IR - digital display (mW/cm²)



ED803

Clinical Indication:

Verification of Irradiance intensity (mW/cm2) dual-range VLC (visible light cure) & IR (Infrared) of Photopolymerization Chairside units



DIAMONDCROWNTM THERMOKURTM F/XTM

Recommended for DiamondCrownTM Laboratory Systems.

Digital readout display (seconds, minutes).

Cycle / Phase select indicator, semi-automated microprocessor programmable, adjustable time / temperature settings.

Phase I – Metal Coupler; 5 min., 120°C dry heat. Phase II – Metal Opaque layer or Glaze Resin Coat; 5-10 min, 120°C heat and pressure.



Phase II requires a minimum 85psi / 550KPa / 5.5 Bar, air pressure mediated by an oil filter, dehumidifier, 5µm (micron) particulate filter situated in a polycarbonate pressure regulator bowl. The pressure is routed in 6.4mm 0.D. flexible, snap-fit, Teflon tubing (175 psi rating, pressure resistant).

Automated phase controls; start / stop, menu, enter, toggle / scroll, audible beep / alarms. Multiple voltage unit; 100–250 V.

Clinical Indication:

Optimal DiamondCrown Metal Coupler / Metal Opaque /Glaze Resin application. Heat / Pressure Laboratory Cure Chamber

DIAMONDCROWNTMTHERMOKUR F/X INSTALLATION KIT

EL840IK

- 1 Pressure Regulator / Filter
- 1 Pressure Gauge
- 2 Brass NPT Fittings (snap fit)
- 1 Mounting Bracket
- 1 240cm (8 ft.) Length Teflon Tubing/6.4 mm O.D. flexible, snap-fit, (175 psi rating, pressure/ heat resistant).

Clinical Indication: Facilitates installation of DiamondCrown ThermoKur F/X Heat / Pressure Laboratory Cure Chamber

AUXILIARY COMPONENTS

EL850P4	DiamondPlasma™ Replacement Fiber Optic Light Guide
EL850P2	DiamondPlasma™ Magnetic Right-angle light probe tip
	(360 revolution) 7.8mm (I. D.)
EL850P3	DiamondPlasma™ Magnetic Right-angle light probe tip
	(360 revolution) 10.8mm (I. D.)
EL850P1	DiamondPlasma™ Xenon Plasma Arc Curing System Replacement
	Conical Tips (20/box)
	DiamondPlasma™ Handpiece Magnetic Trigger
ED800P2	DiamondLite™ Turbo-Halogen Right-angle Turbo light probe tip
	(360 revolution) 7.8mm (I. D.)
ED800P1	DiamondLite™ Turbo-Halogen Right-angle Reg. light probe tip
	(360 revolution) 10.8mm (I. D.)
	DiamondLite™ Turbo-Halogen Replacement Bulb 120V/75
WEL830P1	DiamondLite FotoKur™ F/X Replacement - 120 V / 150 W Bulb
EL830P3	DiamondLite VL Halogen Lab Cure Booth Turntable
ED800P3	DiamondPlasma™, DiamondLite™ Turbo-Halogen,
	DiamondLed™ Universal Protective Shield - Amber

For More information call DRM RESEARCH LABORATORIES, INC., TEL: (203)488-5555, TOLL FREE: (888)DRM-BOND [376-2663], FAX: (203)488-2821 E-mail drmbond@drmco.com or visit our website www.drmco.com P.O. Box 408, Branford, Connecticut 06405 USA