# VITA SUPRINITY® PC

Product information



| VITA shade determination | VITA shade communication | VITA shade reproduction | VITA shade control |

**VITA – perfect match.**    VITA

VITA SUPRINITY PC
VITA SUPRINITY Polishing Set
VITA AKZENT Plus
VITA VM 11

# VITA SUPRINITY® PC – Glass ceramic. Revolutionized.

$Li_2O$

$+ZrO_2$

$+$

$SiO_2$
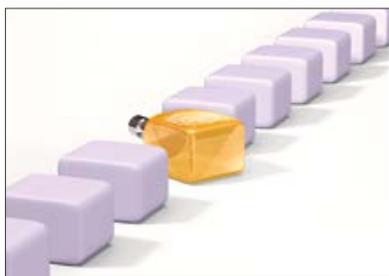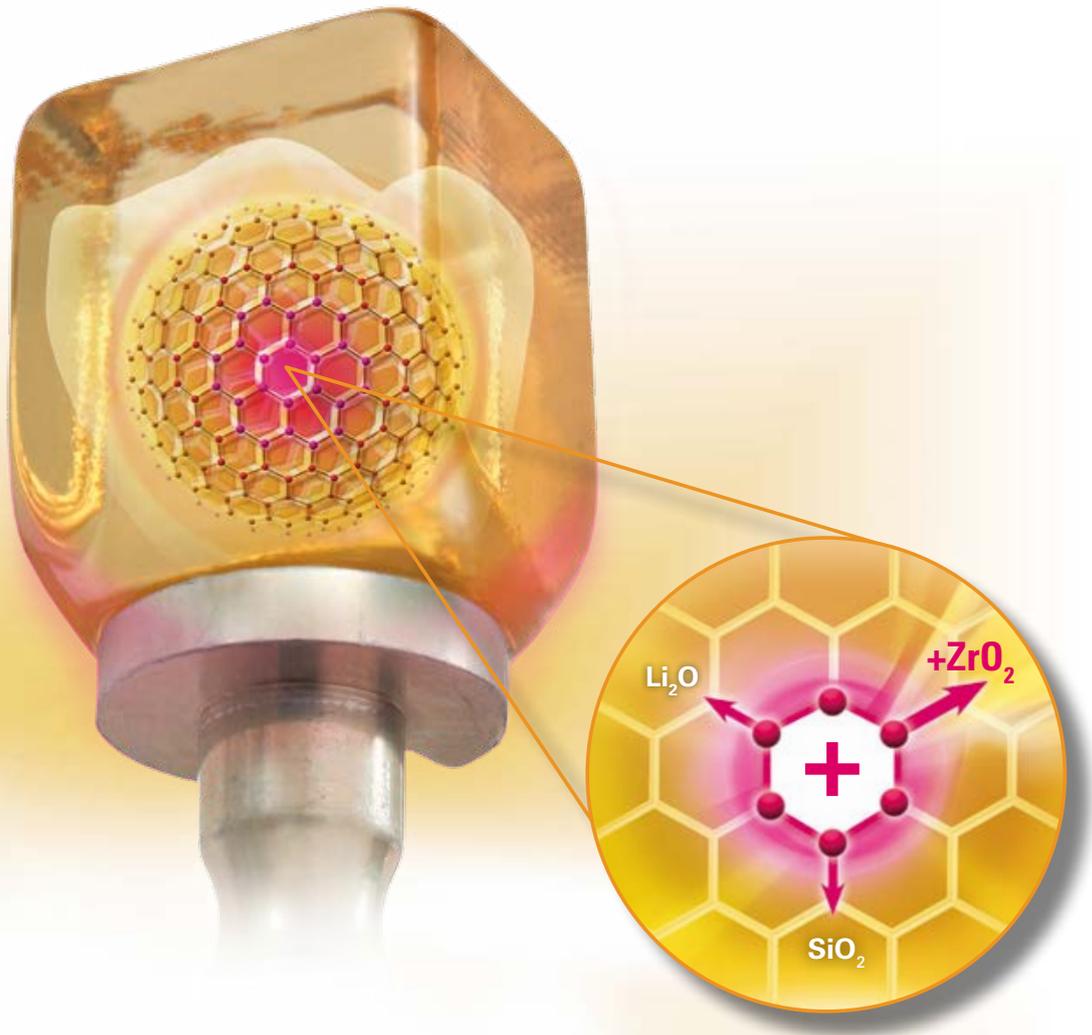
The new generation of glass ceramics: VITA SUPRINITY PC.

## Product description

VITA Zahnfabrik offers since May 2016 VITA SUPRINITY PC, a new generation of glass ceramic material products. With the aid of an innovative manufacturing process, the glass ceramic is enriched with zirconia (approx. 10 % by weight). The result is a zirconia reinforced lithium silicate ceramic (ZLS)*.

This new glass ceramic features a particularly fine-grained and homogeneous structure which guarantees excellent material quality and consistent high load capacity, as well as long-term reliability. The material also offers outstanding processing characteristics such as easy milling and polishing.

Thanks to the high translucency, fluorescence and opalescence of this new glass ceramic material, esthetically pleasing results can be achieved with VITA SUPRINITY PC. VITA SUPRINITY PC covers a wide range of indications that includes anterior and posterior crowns, suprastructures on implant abutments, veneers, inlays and onlays.

*) This class of material is a joint development of VITA Zahnfabrik, DeguDent GmbH and Fraunhofer-Institut for Silicate Research ISC.

## VITA SUPRINITY® PC Product benefits
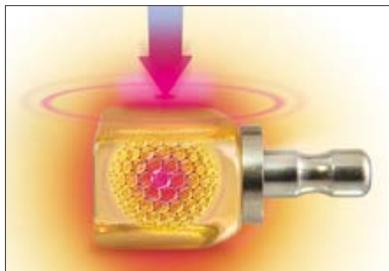


The new generation of glass ceramics for high load capacity.

**Excellent load capacity:**
Thanks to excellent mechanical load capacity, VITA SUPRINITY PC promises high reliability and long-term clinical success.
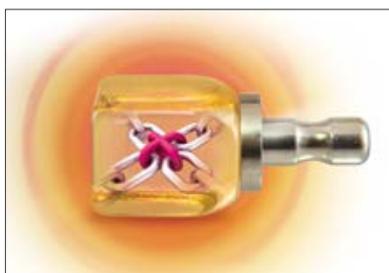


Increased reliability thanks to a zirconia reinforced glass ceramic matrix.

**Excellent reliability:**
The result of continuous load tests and the Weibull modulus show that VITA SUPRINITY PC offers durable restorations and a maximum level of reliability.



Processing made easy

**Simple processing:**
This new glass ceramic features high firing stability and can be crystallized without using an auxiliary firing paste. In addition, the material can be easily reworked manually and polished. After polishing, VITA SUPRINITY PC exhibits an excellent surface quality.

## VITA SUPRINITY® PC Product benefits

**Optimal precision:**
Compared to lithium disilicate ceramics, VITA SUPRINITY PC reveals improved edge stability after milling with Sirona's MC XL system. The result is restorations with accurate fit.

**High process reliability:**
VITA SUPRINITY PC ensures high processing reliability. As a result, temperatures during the crystallization process that are slightly below or above the standard temperature do not have a significant influence on dimensional stability or mechanical properties.
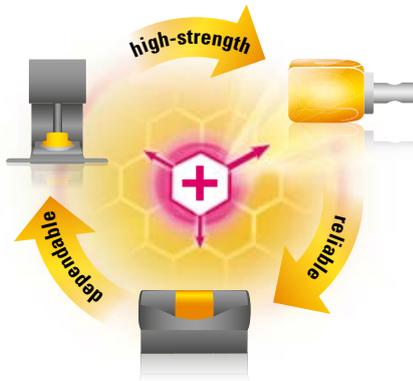
Reliable and user-friendly: milling, firing and processing.

**Excellent esthetics:**
Thanks to the high translucency, fluorescence and opalescence, esthetically pleasing results can be achieved with VITA SUPRINITY PC. Plus, the natural play of colors can be perfectly reproduced with VITA VM 11 veneering material.

VITA SUPRINITY PC restorations impress with a natural play of colors.

# VITA SUPRINITY® PC Indications, variations, geometries, shades


Ideal for a variety of indications.

**Range of indications:**
VITA SUPRINITY PC can be used for a wide range of indications including anterior and posterior crowns, suprastructures on implant abbutments, veneers, inlays and onlays.

**Variations:**
VITA SUPRINITY PC is the zirconia reinforced lithium silicate ceramic in the partially crystallized state.

**Geometries:**
VITA SUPRINITY PC is available in the geometry PC-14 (18 x 14 x 12 mm).

**Range of shades:**
VITA SUPRINITY PC is available in the VITA SYSTEM 3D-MASTER shades 0M1, 1M1, 1M2, 2M2, 3M2, 4M2 and in the VITA classical A1–D4 shades A1, A2, A3, A3.5, B2, C2 and D2. All block shades are available in two translucency levels (T = Translucent and HT = High Translucent).

# VITA SUPRINITY® **Polishing Set** (clinical / technical)





## Product description

The VITA SUPRINITY Polishing Sets were developed for reliable, efficient and material-specific surface treatment of zirconia reinforced lithium silicate ceramic (ZLS) restorations in dental practices and laboratories. The sets include various polishing instruments for pre- and high-gloss polishing.

These instruments are suitable for careful and gentle polishing of occlusal surfaces, cusps, fissures and restoration contact points. They ensure an excellent surface glaze of the finished restoration.



The easy and fast way to an excellent shine.

## Benefits

### Excellent final results:

Highly esthetic surfaces can be produced with these instruments. Accurate concentricity, matched grit sizes and the individual geometries of the instruments guarantee high-precision results.

### Simple and safe handling:

The instruments provide removal capacity that can be easily controlled and show low wear. Good handling and the ability to use without polishing paste enables simple and fast processing. Additional safety is achieved since the instruments can be sterilized.

### Gentle and careful processing:

These instruments, which are suitable for VITA SUPRINITY PC, ensure gentle and careful processing. As a result, the risk of possible formation of microcracks is reduced.

# VITA SUPRINITY® PC – Characterization with VITA AKZENT® **Plus**



## Product description

The 19 VITA AKZENT Plus stains are used to characterize the shade of any dental ceramic material easily and efficiently, regardless of the restoration's CTE. These new fluorescent stains allow internal staining of restorations during layering as well as staining and glazing of external surfaces.

Depending on the user's preferred method of processing and the relevant area of application, VITA AKZENT Plus stains are available as powders and ready-to-use pastes. The glazing Body Stains and Glaze materials are also available as sprays.

Three different application forms are available:

## POWDER:
for unlimited flexibility and cost-effectiveness

## PASTE:
ready-to-use pastes with uniform consistency and homogeneous pigmentation

## SPRAY:
ready-to-use, easy-to-apply glaze and finishing agent stains





The stains enable outstanding shade characterization.

## Benefits

### Versatile:
With 19 shades and 3 application forms, VITA AKZENT Plus offers dental practices and laboratories a complete range of products for numerous characterization options.

### User-friendly:
Whether you're working on internal coloring, surface characterization or fine glazing: with VITA AKZENT Plus fluorescent stains, you can adapt your restoration easily and efficiently.

### Cost-effective:
VITA AKZENT Plus can not only be used for characterizing VITA SUPRINITY PC restorations, the stains are also suitable for all other dental ceramic materials, regardless of the restoration's CTE.

# VITA SUPRINITY® PC – Individualization with VITA**VM**®**11**

### Product description

VITA VM 11 is a low fusing fine-structure feldspar ceramic that has been developed especially for individualizing crown substructures made of zirconia reinforced lithium silicate ceramic (ZLS).

Due to its individual CTE, a separate veneering material is required for this new generation glass ceramic. The perfectly matched CTE values of substructure and veneering materials help minimize stress to ensure very good bonding and veneering reliability that is free of warping.

### Benefits

### Highly esthetic restorations:

The high translucency and warm shades of VITA VM 11 in combination with the opalescent effect of VITA SUPRINITY PC create highly esthetic restorations with a vivid play of colors.

### Reliable bonding:

Stress-free and reliable bonding is ensured through a perfect match of both CTE ranges.

### Simple processing:

Excellent stability, minimal shrinkage and high edge stability are distinctive features of VITA VM 11. Thanks to the excellent surface wettability of the new glass ceramic VITA SUPRINITY PC, multiple layering without liner firing or washbake is possible.

### Superb firing stability:

The outstanding firing properties of VITA VM 11 result in very high dimensional stability even after several firings.

### Excellent grinding and polishing properties:

Thanks to the proven fine structure of VITA VM 11, its smooth and densely sealed surface can be easily and quickly polished.

# VITA SUPRINITY® PC – System compatibility and assortments

**System compatibility:**

**• SYSTEM SOLUTIONS**

VITA offers VITA SUPRINITY PC with specific holder system for following CAD/CAM systems:
– CEREC/inLab (Sirona Dental Systems GmbH)
– MyCrown Mill (FONA Dental s.r.o.)
– ARCTICA Engine/Everest Engine (KaVo Dental GmbH)
– Ceramill Motion 2/Ceramill mikro ic (Amann Girrbach AG)
– PlanMill 40 (E4D Technologies)

**• UNIVERSAL SOLUTIONS\***

VITA offers VITA SUPRINITY PC with universal holder system for following CAD/CAM systems:
– Core3d i Serie (Core3d Centres International N.V.)
– CORiTEC Serie (imes-icore GmbH)
– CS 3000 (Carestream Inc.)
– DMG ULTRASONIC Serie (DMG Mori AG)
– Vhf S1/S2/N4/Z4 (vhf camfacture AG)
– MILLING UNIT M Serie (Zirkonzahn S.r.l.)
– Röders RXD Serie (Röders GmbH)
– DG Shape DWX-4W (DG Shape)
– Zfx Inhouse 5x (Zfx GmbH)
– Straumann M/C-Series (Straumann Holding AG)

\*) The CAD/CAM system partner has been validated by VITA Zahnfabrik for processing VITA SUPRINITY PC.

The range of geometries/shades available for individual CAD/CAM system partners or systems may vary.

# VITA SUPRINITY® PC Assortments

## VITA SUPRINITY® PC STARTER SET for CEREC®/inLab®

**VITA SUPRINITY® PC STARTER SET clinical**
**VITA SYSTEM 3D-MASTER®**

| Quantity | Contents | Material |
|---|---|---|
| 1 each | 5 pieces/pack | 0M1-HT, 1M1-HT, 1M2-HT, 2M2-HT, 3M2-HT, 4M2-HT (High Translucent) |
| 1 each | 5 pieces/pack | 0M1-T, 1M1-T, 1M2-T, 2M2-T, 3M2-T, 4M2-T (Translucent) |
| 1 | Quantity | VITA AKZENT PLUS GLAZE LT SPRAY |
| 1 | Quantity | Fibrous pad firing supports |
| 1 | Pack | Platinum pins, 2 pieces |
| 1 | Quantity | VITA SUPRINITY Polishing Set clinical |
| 1 | | Working Instructions |

**VITA SUPRINITY® PC STARTER SET technical**
**VITA SYSTEM 3D-MASTER®**

| Quantity | Contents | Material |
|---|---|---|
| 1 each | 5 pieces/pack | 0M1-HT, 1M1-HT, 1M2-HT, 2M2-HT, 3M2-HT, 4M2-HT (High Translucent) |
| 1 each | 5 pieces/pack | 0M1-T, 1M1-T, 1M2-T, 2M2-T, 3M2-T, 4M2-T (Translucent) |
| 1 | Quantity | VITA AKZENT PLUS GLAZE LT SPRAY |
| 1 | Quantity | Fibrous pad firing supports |
| 1 | Pack | Platinum pins, 2 pieces |
| 1 | Quantity | VITA SUPRINITY Polishing Set technical |
| 1 | | Working Instructions |

**VITA SUPRINITY® PC STARTER SET clinical**
**VITA classical A1–D4®**

| Quantity | Contents | Material |
|---|---|---|
| 1 each | 5 pieces/pack | 0M1-HT, A1-HT, A2-HT, A3-HT, A3.5-HT, B2-HT, C2-HT, D2-HT (High Translucent) |
| 1 each | 5 pieces/pack | 0M1-T, A1-T, A2-T, A3-T, A3.5-T, B2-T, C2-T, D2-T (Translucent) |
| 1 | Quantity | VITA AKZENT PLUS GLAZE LT SPRAY |
| 1 | Quantity | Fibrous pad firing supports |
| 1 | Pack | Platinum pins, 2 pieces |
| 1 | Quantity | VITA SUPRINITY Polishing Set clinical |
| 1 | | Working Instructions |

**VITA SUPRINITY® PC STARTER SET technical**
**VITA classical A1–D4®**

| Quantity | Contents | Material |
|---|---|---|
| 1 each | 5 pieces/pack | 0M1-HT, A1-HT, A2-HT, A3-HT, A3.5-HT, B2-HT, C2-HT, D2-HT (High Translucent) |
| 1 each | 5 pieces/pack | 0M1-T, A1-T, A2-T, A3-T, A3.5-T, B2-T, C2-T, D2-T (Translucent) |
| 1 | Quantity | VITA AKZENT PLUS GLAZE LT SPRAY |
| 1 | Quantity | Fibrous pad firing supports |
| 1 | Pack | Platinum pins, 2 pieces |
| 1 | Quantity | VITA SUPRINITY Polishing Set technical |
| 1 | | Working Instructions |

## VITA SUPRINITY® Polishing Set clinical / technical

**Assortments**

| Designation | Details | Content/piece |
|---|---|---|
| **VITA SUPRINITY Polishing Set clinical** | 2-stage polishing system with pre- and high-gloss polishers for the contra-angle | 6 |
| **VITA SUPRINITY Polishing Set technical** | 2-stage polishing system with pre- and high-gloss polishers for the handpiece | 8 |

## VITAVM®11 Assortments

VITAVM®11 DENTINE KIT 3D-MASTER

| Quantity | Contents | Material |
|---|---|---|
| 6 | 12 g | TRANSPA DENTINE 0M1, 1M1, 1M2, 2M2, 3M2, 4M2 |
| 2 | 12 g | ENAMEL ENL, END |
| | | Accessories |

VITAVM®11 DENTINE KIT classical

| Quantity | Contents | Material |
|---|---|---|
| 8 | 12 g | TRANSPA DENTINE 0M1, A1, A2, A3, A3.5, B2, C2, D2 |
| 2 | 12 g | ENAMEL ENL, END |
| | | Accessories |

## VITA SUPRINITY® PC Assortments

VITA**VM**₁₁ CREATIVE KIT

| Quantity | Contents | Material |
|---|---|---|
| 3 | 12 g | SUN DENTINE SD1-SD3 |
| 2 | 12 g | MAMELON MM1, MM3 |
| 7 | 12 g | EFFECT ENAMEL EE1, EE3, EE5, EE7, EE8, EE9, EE11 |
| 3 | 12 g | EFFECT CHROMA EC1, EC5, EC11 |
| 1 | 12 g | EFFECT PEARL EP1 |
| 4 | 12 g | EFFECT OPAL EO1-EO3, EO5 |
| 2 | 12 g | ENAMEL ENL, END |
| 1 | 12 g | NEUTRAL, NT |
| 1 | 12 g | WINDOW, WIN |
|  |  | Accessories |

### VITA AKZENT® **Plus** Assortments
VITA AKZENT® **Plus** POWDER KIT

| Quantity | Contents | Material |
|---|---|---|
| 14 | 3 g | EFFECT STAINS POWDER, ES01-ES14 |
| 5 | 3 g | BODY STAINS POWDER, BS01-BS05 |
| 3 | 5 g | GLAZE, GLAZE LT, FINISHING AGENT |
|  |  | Accessories |

VITA AKZENT® **Plus** PASTE KIT

| Quantity | Contents | Material |
|---|---|---|
| 14 | 4 g | EFFECT STAINS PASTE, ES01-ES14 |
| 5 | 4 g | BODY STAINS PASTE, BS01-BS05 |
| 3 | 4 g | GLAZE PASTE, GLAZE LT PASTE, FINISHING AGENT PASTE |
|  |  | Accessories |

VITA AKZENT® **Plus** SPRAY KIT

| Quantity | Contents | Material |
|---|---|---|
| 5 | 75 ml | BODY SPRAY, BS01-BS05 |
| 3 | 75 ml | GLAZE SPRAY, GLAZE LT SPRAY |
|  |  | Accessories |

VITA AKZENT® **Plus** CHROMA STAINS KIT

| Quantity | Contents | Material |
|---|---|---|
| 4 | 3 g | CHROMA STAINS, A-D |
|  |  | Accessories |

With the unique VITA SYSTEM 3D-MASTER, all natural tooth shades can be systematically determined and perfectly reproduced.

VITA SYSTEM | Teeth · Veneering · Machinables · Equipment · Pressables | 3D-MASTER

# VITA