You rely on proven and highly esthetic materials and put the emphasis on simple processing. You wish for innovative, minimally invasive and efficient material solutions. Reliability is a key factor for you and therefore you want to process high-strength materials. You want to have simple solutions that are efficient and save time.

VITA is the pioneer in the field of dental CAD/CAM materials for practices and laboratories. VITA has been offering the best material solutions for a wide range of indications since 1985. In addition to materials for temporary restorations, VITA’s product range also includes highly esthetic products for single tooth restorations and materials for substructures and fully anatomical bridge restorations. Today, users in practices and laboratories benefit from numerous proven solutions and cutting-edge materials.

VITA CAD/CAM MATERIALS

For best solutions. Proven a million times over.

- Perfect solutions for temporary restorations/auxiliaries
- Perfect solution for single tooth restorations
- Perfect solutions for substructures/fully anatomical bridges

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Please note:
Our products should be used according to the working instructions. We cannot be held liable for damages resulting from incorrect handling or usage. The user is furthermore obliged to check the product before use with regard to its suitability for the intended area of application. We cannot accept any liability if the product is used in conjunction with materials and equipment from other manufacturers that are not compatible or not authorized for use with our product. Furthermore, our liability for the correctness of this information is limited to the invoiced value of the goods supplied excluding turnover tax. In particular, as far as legally permissible, we do not assume any liability for profit loss, for indirect damages, for consequential damages or for claims of third parties against the purchaser. Claims for damages based on fault liability (fault in making the contract, breach of contract, unlawful acts, etc.) can only be made in the case of intent or gross negligence. The VITA Module Box is not necessarily a component of the product. Date of issue of this product information: 05.14

After the publication of these working instructions any previous versions become obsolete.

VITA Zahnfabrik has been certified in accordance with the Medical Device Directive and the following products bear the mark:

VITABLOCS®, VITA ENAMIC, VITA SUPRINITY®, VITA VM®9, VITA VM®11, VITAVM®LC, VITA AKZENT® Plus

Innovation MediTech GmbH has been certified in accordance with the Medical Device Directive and the following products bear the CE mark:

VITA ENAMIC® STAINS Sirona CEREC® and inLab® systems (Sirona), KaVo ARCTICA® and KaVo Everest® (KaVo) and Ceramill® Motion 2 (AmannGirrbach) are registered trademarks of the companies mentioned.

More information about VITA CAD/CAM materials is available at www.vita-zahnfabrik.com
Choose from the variety of ceramic solutions
> Materials for highly esthetic, minimally invasive and/or high strength single tooth restorations.

**VITABLOCS® Mark II**
- Feldspar ceramic
- 1-step material
- Proven a million times over
- Simple and fast processing
- Excellent integration of the shade

**VITABLOCS® TriLuxe** / **VITABLOCS® RealLife®**
- Proven 2nd generation VITABLOCS
- Shade gradient ensures superior esthetics
- Ideal for highly individual esthetics

**VITA ENAMIC®**
- Hybrid ceramic
- 1-step material
- Highly esthetic reconstructions in the visible region
- Example

**VITA SUPRINITY®**
- High-strength material with wide indication range
- Example

**VITA SUPRINITY® FC**
- Simple processing
- Fast solutions
- Good esthetics

We will be glad to help
> More information about the products and processing is also available at [www.vita-zahnfabrik.com](http://www.vita-zahnfabrik.com)

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8 am to 5 pm

Mail contact
You can send your questions and requests to sales@vita-zahnfabrik.com!

**VITA CAD/CAM MATERIALS – VITA SUPRINITY® FC**

**VITA SUPRINITY® – VITA SUPRINITY® FC**
- Simple, small and esthetic reconstructions
- Example

**VITABLOCS® Mark II TriLuxe TriLuxe forte RealLife®**
- Single and fast processing
- Proven 2nd generation VITABLOCS
- Shade gradient ensures superior esthetics
- Ideal for highly individual esthetics

**VITA CAD/CAM MATERIALS**
- Perfect solutions for single tooth restorations

The esthetic, tooth-like VITA CAD/CAM materials have been used to fabricate more than 25 million single tooth restorations for more than 25 years. Today practices and laboratories now can select the perfect material solution for various single tooth indications from a range of highly esthetic feldspar ceramics, high-strength glass ceramic and innovative hybrid ceramics. Moreover, these CAD/CAM ceramics are distinguished by simple and efficient processing.

**VITA ENAMIC®**
- Hybrid ceramic which absorbs occlusal forces
- Ideal for minimally invasive restorations
- Enables high-precision results and efficient CAD/CAM fabrication

**VITA SUPRINITY®**
- High reliability thanks to enormous strength
- Movable use thanks to wide indication range
- Optimized edge stability compared to lithium disilicate

**VITA SUPRINITY® FC**
- Simple processing
- Good esthetics
- Example

**VITATRONIC®**
- High esthetics
- Minimally invasive restorations and posterior crowns
- Example
CLASS OF MATERIALS: Feldspar ceramic/monochromatic

**VITABLOCS® Mark II**

For small, esthetic reconstructions:
- Inlay
- Onlay
- Partial crown

**Particularly recommended for which indications?**

1-step material:
- Milling, polishing and fitting; firing not required but possible

**How many process steps?**

- Proven a million times over
- More than 25 years of clinical experience
- Excellent integration of the shade thanks to chameleon effect
- Fast and simple processing since seating is enabled after milling and polishing
- Highly individual: Individualization with VITA VM 9 is possible

**Which advantages?**

**What can be used to adjust and modify the shade?**

Characterization with VITA AKZENT Plus

Individualization with VITA VM 9

*) Note: These are recommended indications; of course, the entire range of single tooth restorations can normally be fabricated. For details, please refer to the respective working instructions of the products.
Class of materials: Feldspar ceramic/monochromatic

Available in which shades?
Available in 10 VITA SYSTEM 3D-MASTER shades: 0M1C (bleached shade for I12, I14), 1M1C, 1M2C, 2M1C, 2M2C, 2M3C, 3M1C, 3M2C, 3M3C and 4M2C and in 3 VITA classical shades: A1C, A2C and A3C.

In which geometries?
• I8 (8 x 8 x 15 mm)
• I10 (8 x 10 x 15 mm)
• I12 (10 x 12 x 15 mm)
• I14 (12 x 14 x 18 mm)
• I-40/19 (15.5 x 19 x 39 mm)*

Which systems can be used for processing?
Sirona’s CEREC/CEREC MC XL and inLab inLab MC XL systems. Moreover VITABLOCS Mark II can also be processed with the KaVo ARCTICA**, KaVo Everest** and Ceramill Motion 2** systems.

*) This geometry is only available in the 4 VITA SYSTEM 3D-MASTER shades 1M1C, 1M2C, 2M2C und 3M2C.
**) The range of shades and geometries for the system(s) indicated above may be different.
VITABLOCS®

TriLuxe 3 layers of different shade intensity
TriLuxe forte 4 layers of different shade intensity
RealLife® dentine core and enamel coat

Class of materials: Feldspar ceramic/multichromatic

Particularly recommended for which indications?
For highly esthetic reconstructions in the visible region:
• Anterior crown
• Veneer

How many process steps?
1-step material:
Milling, polishing and seating; firing not required but possible

Which advantages?
• Proven a million times over
• Highly esthetic since shade gradient is integrated in the blank
• Fast and simple processing since seating is enabled after milling and polishing
• Highly individual: Individualization with VITA VM 9 is possible

What can be used to adjust and modify the shade?

Characterization with VITA AKZENT Plus
Individualization with VITA VM 9

*) Note: These are recommended indications; of course, the entire range of single tooth restorations can normally be fabricated. For details, please refer to the respective working instructions of the products.
**VITABLOCS®**

- **TriLuxe** 3 layers of different shade intensity
- **TriLuxe forte** 4 layers of different shade intensity
- **RealLife®** dentine core and enamel coat

Class of materials: Feldspar ceramic/multichromatic

### Available in which shades?

**VITABLOCS® TriLuxe-/TriLuxe forte** are available in the VITA SYSTEM 3D-MASTER shades 1M2C, 2M2C and 3M2C and in the VITA classical shades A1C, A2C and A3C.

**VITABLOCS RealLife®** are available in the VITA SYSTEM 3D-MASTER Farben 0M1C, 1M2C, 2M1C, 2M2C, 2M3C and 3M2C.

### In which geometries?

**VITABLOCS® TriLuxe-/TriLuxe forte**
- TRI-12 / TF-12 (10 x 12 x 15 mm)
- TRI-14 / TF-14 (12 x 14 x 18 mm)
- TRI-14/14 / TF-14/14 (14 x 14 x 18 mm)*
- TF-40/19 (15.5 x 19 x 39 mm)*

**VITABLOCS RealLife®**
- RL-14/14 (14 x 14 x 18 mm)

### Which systems can be used for processing?

**VITABLOCS® TriLuxe-/TriLuxe forte** can be processed with the CEREC /CEREC MC XL and inLab/inLab MC XL systems. Moreover VITABLOCS TriLuxe/TriLuxe forte can also be processed with the KaVo ARCTICA** and Ceramill Motion 2** systems.

**VITABLOCS RealLife®** can be processed with Sirona’s CEREC MC XL and inLab MC XL systems. Additionally, VITABLOCS RealLife can also be processed using the KaVo ARCTICA** system.

*) These geometries are only available in VITA SYSTEM 3D-MASTER shades
**) The range of shades and geometries for the system(s) indicated above may be different.
Class of materials: Hybrid ceramic/monochromatic

**Particularly recommended for which indications?**

For minimally invasive reconstructions and posterior restorations:
- Reconstructions in cases of limited space-available
- Reconstructions of minor defects (e.g. cervical veneers, etc.)
- Non-prep veneers
- Tabletops
- Posterior and molar crowns

**How many process steps?**

1-step material:
- Milling, polishing and seating; coating with stains if required; no firing!

**Which advantages?**

- Innovative hybrid ceramic which absorbs occlusal forces
- Enormous load capacity and elasticity
- Results with high precision
- Result with superior precision
- Efficient CAD/CAM fabrication
- Tooth-like properties

**What can be used to adjust and modify the shade?**

- VITA ENAMIC polishing instruments
- Characterization with VITA ENAMIC stains
- Minor adjustment of the shape, e.g. with VITA VM LC

*) Note: These are recommended indications; of course, the entire range of single tooth restorations can normally be fabricated. For details, please refer to the respective working instructions of the products.
Available in which shades? Available in the translucency levels HT (HT = High Translucent) and T (T = Translucent), each in the five VITA SYSTEM 3D-MASTER shades 0M1, 1M1, 1M2, 2M2 and 3M2.

In which geometries? • EM-14 (12 x 14 x 18 mm)  
• EM-10 (8 x 10 x 15 mm)*

Which systems can be used for processing? VITA ENAMIC can be processed with the Sirona CEREC / inLab MC XL system using software version 4.0 or later.

Dental practices and laboratories with a Sirona milling unit that does not correspond to this system configuration should select VITABLOCS Mark II, I14 for processing.

VITA ENAMIC is processed with KaVo ARCTICA** using software version 2.5.7 or later. For KaVo Everest**, VITA ENAMIC is processed in combination with Everest CAM² software.

VITA ENAMIC is processed with Amann Girrbach’s Ceramill Motion 2** system using software release Ceramill Mind version 2.1.6 (XP) version 2.3.1 (Win7) and Ceramill Match 2 version 2.1.2 (Win7) or later.

*) This geometry is only available in High Translucent.  
**) The range of shades and geometries for the system(s) indicated above may be different.

Class of materials: Hybrid ceramic/monochromatic
VITA SUPRINITY®

Class of materials: Glass ceramic precrystallized/monochromatic

**Particularly recommended for which indications?***

Various (esthetic) options and hence wide indication range:
- Posterior crown
- Anterior crown
- Implant crown
- Veneer

**How many process steps?**

2-step material:
Milling; afterwards crystallization or combination firing is required

**Which advantages?**

- High-strength, zirconia-reinforced glass ceramic provides reliability
- Optimized edge stability compared to lithium disilicate (Sirona’s MC XL system)
- Esthetic: Translucency, opalescence and fluorescence are integrated
- Highly individual: Individualization with VITA VM 11 is possible

**What can be used to adjust and modify the shade?**

Characterization with VITA AKZENT Plus
VITA SUPRINITY polishing instruments
Individualization with VITA VM 11

*) Note: These are recommended indications; of course, the entire range of single tooth restorations can normally be fabricated. For details, please refer to the respective working instructions of the products.
VITA SUPRINITY®

Class of materials: Glass ceramic precrystallized/monochromatic

<table>
<thead>
<tr>
<th>Available in which shades?</th>
<th>Available in the translucency levels HT (HT = High Translucent) and T (T = Translucent), each in the shades 0M1, A1, A2, A3, A3.5, B2, C2 and D2.</th>
</tr>
</thead>
<tbody>
<tr>
<td>In which geometries?</td>
<td>• LS-14 (18 x 14 x 12 mm)</td>
</tr>
<tr>
<td>Which systems can be used for processing?</td>
<td>VITA SUPRINITY can be processed with Sirona’s CEREC or inLab MC XL systems, software version 4.2 or or later. Practices or laboratories with a Sirona milling system with a different system configuration can alternatively select lithium disilicate ceramic in the material menu for processing.</td>
</tr>
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</table>
## VITA SUPRINITY® FC*

<table>
<thead>
<tr>
<th>Class of materials: Glass ceramic fully crystallized/monochromatic</th>
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</thead>
</table>

### Particularly recommended for which indications?**

Simple, small and esthetic reconstructions:
- Inlay
- Onlay
- Partial crown

### How many process steps?

1-step material:
Milling, polishing and seating; firing not required but possible

### Which advantages?

- Medium-strength glass ceramic for high reliability
- Efficient solution
- Fast and simple processing since seating is enabled after milling and polishing
- For esthetic reconstructions

### What can be used to adjust and modify the shade?

- Characterization with VITA AKZENT Plus
- VITA SUPRINITY polishing instruments
- Individualization with VITA VM 11

*) VITA SUPRINITY® FC will probably be available during the year 2014

**) Note: These are recommended indications; of course, the entire range of single tooth restorations can normally be fabricated. For details, please refer to the respective working instructions of the products.
VITA SUPRINITY® FC

Class of materials: Glass ceramic fully crystallized/monochromatic

Available in which shades? Available in the translucency levels HT (HT = High Translucent) and T (T = Translucent), each in the shades 0M1, A1, A2, A3, A3.5, B2, C2 and D2*.

In which geometries? • LS-14 (18 x 14 x 12 mm)*

Which systems can be used for processing? VITA SUPRINITY FC can be processed with Sirona’s CEREC or inLab MC XL systems, software version 4.2 or higher.

Practices or laboratories with a Sirona milling system with a different system configuration can alternatively select lithium disilicate ceramic in the material menu for processing.

* Preliminary product specification. Final product details will be published during the market launch in 2014.
Solutions and recommendations for the fabrication process

- **Shade taking**
  - Use VITA Easyshade Advance 4.0 for digital shade taking and VITA Linearguide 3D-MASTER or VITA classical A1-D4, for example, for conventional shade taking.

- **CAD/CAM-fabrication**
  - For CAD/CAM-fabrication, VITA offers you highly esthetic feldspar ceramic, high-strength glass ceramic and innovative hybrid ceramic materials – simply select the material solution that fulfills your individual requirements.

- **Shade modification**
  - Use the VITA AKZENT Plus stains and VITA VM 9 or VITA VM 11 veneering ceramics for feldspar and glass ceramics. Use VITA ENAMIC Stains for the hybrid ceramic and the recommended bonding / veneering composites for adjustment of the shape.

- **Firing**
  - Glaze, stains and/or dentine and crystallization firing can be carried out with the VITA VACUMAT 6000 M premium furnace.
  - Note: When using the VITA hybrid ceramic, firing must not be carried out.

- **Polishing**
  - In the case of VITA feldspar ceramic, use polishing systems suitable for silicate ceramic (e.g. VITA Karat diamond polishing set).
  - Ideally, the VITA SUPRINITY/VITA ENAMIC polishing instruments are used for VITA glass and hybrid ceramics.

- **Bonding**
  - VITA DUO CEMENT or a different bonding system recommended by VITA can be used for bonding VITA feldspar, glass and hybrid ceramics.

*) Note “Optional process steps”
The feldspar and hybrid ceramic materials can be seated directly after milling and polishing. Therefore the following process steps mentioned above are optional for feldspar ceramic. Basically, the same steps are required for the hybrid ceramic; in this case firing must not be carried out.
VITA’s feldspar ceramics, glass ceramics and hybrid ceramics are etched using hydrofluoric acid gel and must be bonded adhesively with composites in order to achieve a friction bond between the restoration and the tooth substance.

**Recommended dual-curing luting composites***:
- VITA DUO CEMENT (VITA)
- Clearfil Esthetic Cement (Kuraray)
- Vitique (DMG)
- NX3 (KerrHawe)
- Calibra (Dentsply)
- Variolink II (Ivoclar Vivadent)
- Multilink Automix (Ivoclar Vivadent)
- DuoCem (Coltene Whaledent)
- Bifix QM (Voco)
- RelyX Ultimate (3M Espe)
- RelyX Unicem (3M Espe)

**Recommended light-curing luting composites***:
- Variolink Veneer (Ivoclar Vivadent)

*) Important information:
Dual-curing (light- and chemical-curing) luting composites are recommended primarily for thick and/or dark restorations and light-curing composites are recommended for thin restorations (especially for veneers). Self-adhesive luting composites, such as RelyX Unicem, may only be used for crown restorations when using feldspar, glass and hybrid ceramics from VITA. Generally the respective manufacturer’s instructions must be observed.