VITA CAD/CAM MATERIALS
Catalog for practices and laboratories

VITA – perfect match.

VITA CAD/CAM MATERIALS – for ideal solutions. Proven a million times over.
VITA is the pioneer in the field of dental CAD/CAM materials for practices and laboratories. VITA has been offering top-quality material solutions for a wide range of indications since 1985. In addition to materials for temporary restorations, VITA’s product range includes highly esthetic products for single tooth restorations, materials for framework constructions and fully anatomical bridge restorations, as well as products for implant-supported restorations. Today, users in practices and laboratories benefit from numerous proven solutions and groundbreaking, innovative materials.
### VITA CAD/CAM MATERIALS – Overview of indications

<table>
<thead>
<tr>
<th>Zirconia ceramic</th>
<th>Feldspar ceramic</th>
<th>Glass ceramic</th>
<th>Hybrid ceramic</th>
<th>Polymer/ composite</th>
</tr>
</thead>
<tbody>
<tr>
<td>VITA YZ T</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VITA YZ HT</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VITA YZ ST**</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VITA YZ XT</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VITABLOCS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VITA SUPRINITY PC</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VITA ENAMIC</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VITA CAD-Temp</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VITA CAD-Wax</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1) The abutments must be designed in a way to meet the requirements for ceramic-specific preparation and to observe the minimum wall thickness of crowns. Please also observe the manufacturers’ working instructions.

2) molars only

3) no more than 2 adjacent pontics

4) exclusively for veneer structures made from VITABLOCS Mark II/Trilux forte for the VITA Rapid Layer Technology

* Note: These are recommended indications; normally, a more comprehensive range of restorations can be fabricated. For details, please refer to the respective working instructions of the products.

** VITA YZ ST reconstructions are limited in Canada to a max. of six units with a max. of two connected pontics.

- recommended*
- possible
- not possible
- not recommended
- only as substitute for modelling wax
Proven solutions. Groundbreaking innovations.

VITA Zahnfabrik has been developing CAD/CAM materials for dentists and dental technicians for more than 30 years. One of the company’s first milestones was the introduction of VITABLOCS, which have been proven a million times over. Innovative material concepts, such as the hybrid ceramic VITA ENAMIC, were introduced later. Today, VITA offers a variety of solutions for almost every indication.
VITABLOCS® Mark II, TriLuxe forte, RealLife

Proven a million times over.

FACTS & FEATURES

What?

• VITABLOCS Mark II: monochromatic, tooth-colored feldspar blanks with shades that match those of residual teeth
• VITABLOCS TriLuxe forte: polychromatic, tooth-colored feldspar blanks with integrated shade gradient to reproduce the natural play of colors
• VITABLOCS RealLife: polychromatic, tooth-colored feldspar blanks with integrated 3D layer structure to reproduce the natural shade gradient in the anterior area

Benefits?

• fabricating reliable restorations
  thanks to a durable material with very good clinical performance
• highly esthetic restorations
  thanks to a material with superior play of colors and light
• cost-effective reconstruction
  thanks to time-saving CAM fabrication and efficient finishing using a polishing process

What for?

• ideal solution for esthetic reconstructions of minor defects (VITABLOCS Mark II) and esthetic restorations in the visible region (VITABLOCS TriLuxe forte, VITABLOCS RealLife)

more information: VITABLOCS concept brochure 1454

more product data
VITABLOCS® Mark II, TriLuxe forte, RealLife

〉 BASIC INFORMATION

Recommended indications?*

VITABLOCS Mark II
- small, esthetic reconstructions (inlay, onlay, partial crown)

VITABLOCS TriLuxe forte
- highly esthetic reconstructions in the visible region

VITABLOCS RealLife
- highly esthetic anterior crowns

Process steps
1-step materials:
- CAM fabrication, polishing and seating; firing not required
- optional: characterization / individualization

System compatibility

VITABLOCS – SYSTEM SOLUTIONS**
VITA offers VITABLOCS with specific holder systems for CAD/CAM systems:
- CEREC/inLab (Dentsply Sirona), MyCrown Mill (FONA Dental s.r.o.), PlanMill 40/PlanMill 40S (Planmeca), Ceramill mikro IC/Ceramill Motion 2 (Amann Girrbach AG), TS150 (Glidewell Laboratories), KaVo ARCTICA/ Everest (KaVo Dental GmbH)

VITABLOCS – UNIVERSAL SOLUTIONS**
VITA offers VITABLOCS with universal holder system for CAD/CAM systems:
- CORiTEC line (imes-icore GmbH), DGSHAPE DWX-4W (DGSHAPE Corporation), CS 3000 (Carestream Dental, Inc.), N4/R5/S1/S2/Z4/R5 (vhf camfacture AG), Zfx Inhouse5x (Zfx GmbH), Organical Desktop line (R+K CAD/CAM Technologie GmbH & Co. KG)

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

**) Note: The range of VITA CAD/CAM material versions/geometries/shades available may vary for individual CAD/CAM system partners or systems.
Available Shades

VITABLOCS Mark II
- VITA SYSTEM 3D-MASTER: 0M1C (for I12, I14), 1M1C, 1M2C, 2M1C, 2M2C, 2M3C, 3M1C, 3M2C, 3M3C, 4M2C

VITABLOCS TriLuxe forte
- VITA SYSTEM 3D-MASTER: 1M2C, 2M2C, 3M2C

VITABLOCS RealLife
- VITA SYSTEM 3D-MASTER: 0M1C, 1M1C, 1M2C, 2M1C, 2M2C, 3M2C

Available Geometries (geometries in mm)

Blocks:
- VITABLOCS Mark II: I10: 8 x 10 x 15; I12: 10 x 12 x 15; I14: 12 x 14 x 18
- TriLuxe forte: TF-12: 10 x 12 x 15; TF-14: 12 x 14 x 18; TF-14/14: 14 x 14 x 18
- RealLife: RL-14/14: 14 x 14 x 18
AVAILABLE INDIVIDUAL PRODUCTS/ASSORTMENTS

VITABLOCS
- pack of 5 VITABLOCS Mark II feldspar ceramic blanks
- pack of 5 VITABLOCS TriLuxe forte feldspar ceramic blanks
- pack of 5 VITABLOCS RealLife forte feldspar ceramic blanks

AVAILABLE SYSTEM COMPONENTS

Characterization with VITA AKZENT Plus
Bonding with VITA ADIVA LUTING SOLUTIONS
Individualization with VITA VM 9

more information: chapter Components/Accessories
FACTS & FEATURES

What?
• unique hybrid ceramic with a dual ceramic-polymer network structure
• available as mono- and multichromatic types in up to three translucency levels (T, HT, ST)

Benefits?
• fabricating durable restorations
  using a high-load capacity hybrid ceramic with absorption of masticatory forces
• non-/minimally invasive restorations possible
  since the elastic hybrid ceramic enables reduced wall thicknesses
• fabricating accurate, precise and delicate restorations
  using a hybrid material with integrated elasticity
• cost-effective reconstruction
  thanks to time-saving CAM fabrication and efficient polishing without any firing process

What for?
• ideal solution for minimally invasive, delicate and implant-supported reconstructions

*) In addition to a high degree of elasticity, this innovative hybrid ceramic guarantees outstanding load capacity after adhesive bonding.
VITA ENAMIC®

>BASIC INFORMATION

Recommended indications?*
VITA ENAMIC (T, HT, ST)

- reconstructions with reduced wall thicknesses that preserve natural tooth structure
- posterior crowns that offer high load capacity in cases with limited space availability
- precise repair of small defects (e.g., indirect cervical fillings/delicate inlays)
- non-/minimally-invasive reconstruction of occlusal surfaces (table top)
- monolithic veneering structures for digital dual structure bridges

VITA ENAMIC multiColor

- esthetic crown restorations with vivid play of color/light
- delicate (non-prep) veneers for cosmetic reconstructions

VITA ENAMIC IS**

- implant-supported abutment crowns and mesostructures

Process steps

1-step materials:
- CAM fabrication, polishing and seating; no firing
- optional: characterization/individualization

System compatibility?

VITA ENAMIC – SYSTEM SOLUTIONS***

CEREC/inLab (Dentsply Sirona), PlanMill 40/PlanMill 40S (Planmeca), Ceramill mikro IC/Ceramill Motion 2 (Amann Girrbach AG), TS150 (Glidewell Laboratories), KaVo ARCTICA/Everest (KaVo Dental GmbH), MyCrown Mill (FONA Dental s.r.o.)

VITA ENAMIC – UNIVERSAL SOLUTIONS***

CORiTEC line (imes-icore GmbH), Röders RXD line (Röders GmbH), DGSHAPE DWX line (DGSHAPE Corporation), CS 3000 (Carestream Dental, Inc), Zfx Inhouse5x (Zfx GmbH), Milling UNIT M line (Zirkonzahn S.r.l.), N4/R5/S1/S2/Z4/R5 (vhf camfacture AG), Organical Desktop line (R+K CAD/CAM Technologie GmbH), DMG ULTRASONIC-line (DMG Mori AG)

Note: VITA ENAMIC DISCs can be processed with all open CAD/CAM systems, which are suitable to mill discs with a diameter of 98.4 mm (including the circumferential groove).

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

**) More information about VITA ENAMIC IS is available in the chapter VITA IMPLANT SOLUTIONS.

***) Note: The range of VITA CAD/CAM material versions/geometries/shades available may vary for individual CAD/CAM system partners or systems.
AVAILABLE SHADES

- **VITA SYSTEM 3D-MASTER, translucent (T)**
  0M1, 1M1, 1M2, 2M1, 2M2, 3M1, 3M2, 3M3, 4M2
- **VITA SYSTEM 3D-MASTER, high translucent (HT)**
  0M1, 1M1, 1M2*, 2M1, 2M2, 2M3, 3M1, 3M2, 3M3, 4M2
- **VITA SYSTEM 3D-MASTER, super translucent (ST)**
  1M1, 1M2, 2M2, 3M2, 4M2

*) Limited range of shades for VITA ENAMIC IS-14/Discs: IS-14 available in 1M1, 1M2, 2M2, 3M2 and 4M2; discs available in 1M2, 2M2 and 3M2
***) Limited range of shades for VITA ENAMIC IS**: IS-14 available in the EM-14 type

AVAILABLE GEOMETRIES (geometries in mm)

Discs (Ø 98.4 mm):
- **VITA ENAMIC**: h 12, 18

Blocks:
- **VITA ENAMIC**: EM-14: 12 x 14 x 18; EM-10: 8 x 10 x 15
- **VITA ENAMIC multiColor**: EMC-14: 12 x 14 x 18; EMC-16*: 18 x 16 x 18
- **VITA ENAMIC IS**: IS-14: 18 x 14 x 12 (for mesostructures); IS-16: 18 x 16 x 18 (for abutment crowns)

*) Available from spring 2019
**) Note: with an integrated S- or L-interface for each geometry size.
AVAILABLE INDIVIDUAL PRODUCTS/ASSORTMENTS

VITA ENAMIC
- pack of 5 VITA ENAMIC hybrid ceramic blanks
- pack of 1 VITA ENAMIC disc blank

VITA ENAMIC Starter Set clinical/technical
- 10 packs of 5 VITA ENAMIC blanks in five shades and two translucency levels and one VITA ENAMIC Polishing Set clinical/technical

VITA ENAMIC Polishing Set clinical/technical
- Two-stage polishing system with a total number of six or eight pre- and high-gloss polishers for the contra-angle or the handpiece.

AVAILABLE SYSTEM COMPONENTS

Characterization with VITA ENAMIC stains
Bonding with VITA ADIVA LUTING SOLUTIONS
Individualization with VITA VM LC flow
VITA ENAMIC polishing instruments
FACTS & FEATURES

What?
• zirconia-reinforced, high-strength glass ceramic generation
• available as monochromatic blanks in two translucency levels (T, HT)

Benefits?
• high reliability
  thanks to a zirconia-reinforced glass ceramic matrix
• precision-fit results
  thanks to material blanks with high edge stability
• simple processing
  thanks to good polishing characteristics and high firing stability
• brilliant esthetics
  thanks to integrated translucency, opalescence and fluorescence

What for?
• ideal solution for anterior and posterior crowns, superstructures on implants, as well as inlays, onlays and veneers
**BASIC INFORMATION**

**Recommended indications?**

**VITA SUPRINITY PC**
Various (esthetic) options, thanks to a wide indication range:
- Posterior crown
- Anterior crown
- Implant-supported crown
- Veneer

**Process steps**

2-step material:
- CAM fabrication, followed by crystallization or combination firing
- optional: characterization/individualization

**System compatibility?**

**VITA SUPRINITY PC – SYSTEM SOLUTIONS**

VITA offers VITA SUPRINITY PC with specific holder systems for CAD/CAM systems:
- CEREC/inLab (Dentsply Sirona), PlanMill 40/PlanMill 40S (Planmeca), MyCrown Mill (FONA Dental s.r.o.), Ceramill mikro IC/Ceramill Motion 2 (Amann Girrbach AG), KaVo ARCTICA/Everest (KaVo Dental GmbH)

**VITA SUPRINITY PC – UNIVERSAL SOLUTIONS**

VITA offers VITA SUPRINITY PC with universal holder system for the CAD/CAM systems:
- CS 3000 (Carestream Dental, Inc), DMG ULTRASONIC series (DMG Mori AG), CORiTEC line (imes-icore GmbH), Röders RXD line (Röders GmbH), N4/R5/S1/S2/Z4/R5 (vhf camfacture AG), MILLING UNIT M line (Zirkonzahn S.r.I.), DGSHAPE DWX-4W (DGSHAPE Corporation), Zfx Inhouse5x (Zfx GmbH)

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

**) Note: The range of VITA CAD/CAM material versions/geometries/shades available may vary for individual CAD/CAM system partners or systems.
AVAILABLE SHADES

- **VITA SUPRINITY PC, high translucent (HT)**
  VITA SYSTEM 3D-MASTER: 0M1, 1M1, 1M2, 2M2, 3M2, 4M2
- **VITA SUPRINITY PC, translucent (T)**
  VITA SYSTEM 3D-MASTER: 0M1, 1M1, 1M2, 2M2, 3M2, 4M2

AVAILABLE GEOMETRIES (geometries in mm)

Blocks:
- **VITA SUPRINITY PC:**
  **PC-14:** 12 x 14 x 18
AVAILABLE INDIVIDUAL PRODUCTS/ASSORTMENTS

VITA SUPRINITY PC
- Pack of 5 VITA SUPRINITY PC glass ceramic blanks

VITA SUPRINITY PC Starter Set VITA classical A1-D4/
VITA SYSTEM 3D-MASTER clinical/technical
- 16 or 12 packs of 5 VITA SUPRINITY PC blanks
  (one pack for each shade and translucency)
- VITA SUPRINITY Polishing Set clinical/technical
- VITA AKZENT Plus GLAZE LT SPRAY
- Fibrous pad firing supports and platinum pins

VITA SUPRINITY Polishing Set clinical/technical
- Two-stage polishing system with a total number of six or eight
  pre- and high-gloss polishers for the contra-angle or the
  handpiece

AVAILABLE SYSTEM COMPONENTS

Characterization with
VITA AKZENT Plus

Bonding with
VITA ADIVA LUTING SOLUTIONS

Individualization with
VITA VM 11

VITA SUPRINITY
polishing instruments
FACTS & FEATURES

What?
- Blanks comprised of hybrid ceramic and composite, which feature an integrated interface for an adhesive/titanium base
- available as VITA ENAMIC IS hybrid ceramic (T/HT) for permanent reconstructions and VITA CAD-Temp IS composite for temporary restorations

Benefits?
VITA ENAMIC IS
- fabricating durable, implant-supported restorations using a high-load capacity hybrid ceramic
- cost-effective reconstruction thanks to time-saving CAM fabrication and efficient finishing

VITA CAD-Temp IS
- efficient fabrication of temporary restorations thanks to a fully digital process
- natural shade effect thanks to impressive light optical properties

What for?
- ideal solution for permanent and temporary implant-supported restorations
**BASIC INFORMATION**

**Recommended indications?**

**VITA ENAMIC IS**
- permanent implant-supported abutment crowns (AC) and mesostructures (MS)

**VITA CAD-Temp IS**
- temporary restorations/soft-tissue management

**Process steps**
1-step materials:
- CAM fabrication, bond with the base and screw onto the implant; no firing!
- optional: characterization/individualization

**System compatibility?**

**VITA IMPLANT SOLUTIONS – SYSTEM SOLUTIONS**
VITA offers VITA IMPLANT SOLUTIONS blanks with a specific holder system for the CAD/CAM system:
CEREC/inLab (Dentsply Sirona)

*) These are recommended indications. For details, please refer to the respective working instructions of the products.
**AVAILABLE SHADES**

- **VITA ENAMIC IS-14, translucent (T)**
  MS type with S or L interface in VITA SYSTEM 3D-MASTER: 1M1, 1M2, 2M2, 3M2, 4M2
- **VITA ENAMIC IS-16, high translucent (HT)**
  AC type with S or L interface in VITA SYSTEM 3D-MASTER: 1M1, 1M2, 2M2, 3M2, 4M2
- **VITA CAD-Temp IS-16**
  AC type with S- or L-interface in VITA SYSTEM 3D-Master: 1M2T, 2M2T, 3M2T

**AVAILABLE GEOMETRIES** (geometries in mm)

**Blocks:**
- **VITA ENAMIC: IS-14:** 18 x 14 x 12 (for permanent mesostructures); **IS-16:** 18 x 16 x 18 (for permanent abutment crowns)
- **VITA CAD-Temp: IS-16:** 18 x 16 x 18 (for temporary abutment crowns)

with integrated S- or L-interface for each geometry
AVAILABLE INDIVIDUAL PRODUCTS/ASSORTMENTS

VITA IMPLANT SOLUTIONS
- Pack of 5 VITA ENAMIC IS hybrid ceramic blanks
- Pack of 5 VITA CAD-Temp IS blanks

AVAILABLE SYSTEM COMPONENTS

- TiBase/TiBase-compatible implant systems
- Bonding with VITA ADIVA IA-CEM
- Characterization with VITA ENAMIC STAINS
- VITA ENAMIC polishing instruments
- Individualization with VITA VM LC flow

more information: chapter Components/Accessories
VITA CAD-TEMP®

Ideal solutions for long-term temporary restorations.

FACTS & FEATURES

What?
- Composite made of highly cross-linked acrylate polymer with microfiller for the fabrication of long-term temporary restorations

Benefits?
- **good long-term stability** thanks to good surface stability and fracture strength (period of wearing: up to 3 years)
- **natural shade effect** thanks to impressive light optical properties
- **cost-effective fabrication of temporaries** thanks to time-saving CAD/CAM fabrication

What for?
- ideal solution for fully or partially anatomical long-term temporary restorations (VITA CAD-Temp) and temporary implant-supported restorations (VITA CAD-Temp IS)
Recommended indications?
VITA CAD-Temp monoColor
- Temporaries in the posterior area

VITA CAD-Temp multiColor
- Temporaries in the anterior area

VITA CAD-Temp IS**
- temporary restorations/soft-tissue management

Process steps
1-step materials:
- CAM fabrication, polishing and seating

System compatibility?
VITA CAD-Temp – SYSTEM SOLUTIONS***
VITA offers VITA CAD-Temp with specific holder systems or in a specific geometry for the CAD/CAM systems:
CEREC/inLab (Dentsply Sirona),
MyCrown Mill (FONA Dental, s.r.o.),
KaVo ARCTICA/Everest (KaVo Dental GmbH)

VITA CAD-Temp – UNIVERSAL LÖSUNGEN***
VITA offers VITA CAD-Temp in a universal disc geometry (Ø 98.4 mm) for the CAD/CAM systems:
CORiTEC line (imes-icore GmbH), DGSHAPE DWX-4W (DGSHAPE Corporation), DMG ULTRASONIC series (DMG Mori AG), CS 3000 (Carestream Dental, Inc.), Röders RXD line (Röders GmbH), inLab MC X5 (Dentsply Sirona), N4/R5/S1/S2/Z4/R5 (vhf camfacturer AG))

Note: VITA CAD-Temp DISCs can be processed with all open CAD/CAM systems, which are suitable to mill discs with a diameter of 98.4 mm (including the circumferential groove).

*) These are recommended indications; the entire range of single tooth restorations can normally be fabricated. For details, please refer to the respective working instructions of the products.
**) More information about VITA CAD-Temp IS is available in the chapter VITA IMPLANT SOLUTIONS.
***) Note: The range of VITA CAD/CAM material versions/geometries/shades available may vary for individual CAD/CAM system partners or systems.
AVAILABLE SHADES

- **VITA CAD-Temp monoColor**
  VITA SYSTEM 3D-MASTER: 0M1T (for CT-40), 1M2T, 2M2T, 3M2T

- **VITA CAD-Temp multiColor**
  VITA SYSTEM 3D-MASTER: 1M2T, 2M2T, 3M2T

AVAILABLE GEOMETRIES (geometries in mm)

**Discs (⌀ 98.4 mm):**
- **VITA CAD-Temp monoColor:** h 20
- **VITA CAD-Temp multiColor:** h 18

**Blocks:**
- **VITA CAD-Temp monoColor:** **CT-40**: 15.5 x 19 x 39, **CT-55**: 15.5 x 19 x 55
- **VITA CAD-Temp multiColor:** **CTM-40**: 15.5 x 19 x 39, **CTM-85/40**: 18 x 40 x 85
AVAILABLE INDIVIDUAL PRODUCTS/ASSORTMENTS

VITA CAD-Temp monoColor/multiColor
- pack of VITA CAD-Temp containing 1, 2, 10 blank(s)
- Pack of 1 VITA CAD-Temp Disc blank

AVAILABLE SYSTEM COMPONENTS

Individualization with VITA VM LC flow

Bonding with VITA ADIVA LUTING SOLUTIONS

more information: chapter Components/Accessories
VITA CAD-WAXX

Ideal solutions for wax-ups and drilling templates

FACTS & FEATURES

What?  • acrylate polymer that burns out without leaving any residue for computer-aided fabrication of wax-ups and for the fabrication of drilling templates

Benefits?  • cost-efficient reconstruction thanks to computer-aided modelling
  • precise shaping and fit thanks to high torsional resistance and dimensional accuracy
  • cast and pressed restorations free from bubbles and cavities since the CAD-Waxx material burns out without leaving any residue

What for?  • ideal solution for the fabrication of drilling templates and the digital wax-up technique
Recommended indications?

VITA CAD-Waxx

- for the fabrication of pressed/cast objects and drilling templates

Process steps

1-step materials:
- CAM fabrication of drilling templates or pressed objects

System compatibility

VITA CAD-Waxx – SYSTEM SOLUTIONS**

VITA offers VITA CAD-Waxx with specific holder systems for the CAD/CAM systems:
- CEREC/inLab (Dentsply Sirona),
- KaVo ARCTICA/Everest (KaVo Dental GmbH)

VITA CAD-Waxx – UNIVERSAL SOLUTIONS**

VITA offers VITA CAD-Waxx in a universal DISC geometry (Ø 98.4 mm) for the CAD/CAM system:
- inLab MC X5 (Dentsply Sirona)

Note: VITA CAD-Waxx DISCs can be processed with all open CAD/CAM systems, which are suitable to mill discs with a diameter of 98.4 mm (including the circumferential groove).

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

**) Note: The range of VITA CAD/CAM material versions/geometries/shades available may vary for individual CAD/CAM system partners or systems.
➤ AVAILABLE SHADES

- **VITA CAD-Waxx**
  blanks are transparent

➤ AVAILABLE GEOMETRIES (geometries in mm)

**Discs (Ø 98.4 mm):**
- **VITA CAD-Waxx**: h 20

**Blocks:**
- **VITA CAD-Waxx: CW-40/15**: 14 x 15 x 40
AVAILABLE INDIVIDUAL PRODUCTS/ASSORTMENTS

VITA CAD-Waxx
- pack of VITA CAD-Waxx containing 2 or 10 blanks
- Pack of 1 VITA CAD-Waxx Disc blank
VITA YZ® SOLUTIONS

The system solution for precise, efficient and true-to-shade zirconia reconstructions.

FACTS & FEATURES

What?
- coordinated material system made from ZrO₂ blanks and accompanying system components, such as liquids and stains.
- available as non-colored, monochromatic and multichromatic versions in up to four translucency levels (T/HT/ST/XT)

Benefits?
- reliably reproduce tooth shades
  using a material system with ideally matched components
- create highly accurate restorations
  with material blanks with edge stability, homogeneous microstructures and tested sintering properties
- achieve efficient, solid and esthetic results
  thanks to tooth-shaded precolored (multi)color blanks with good shade matching to the VITA classical A1–D4 shade guide

What for?
- ideal solution for the fabrication of precise and true-to-shade partially/fully and monolithic veneered anterior and posterior bridge restorations
**VITA YZ® SOLUTIONS**

### BASIC INFORMATION

#### Recommended indications?*

| VITA YZ T/HT | • natural, individual, fully veneered substructures |
| VITA YZ ST | • monolithic and partially veneered substructures |
| VITA YZ XT | • monolithic and partially veneered anterior restorations |

#### Process steps

4-step material VITA YZ T/HT
- CAM fabrication, sintering, full veneering, glaze firing

3-step material VITA YZ ST/XT
- CAM fabrication, sintering, glaze firing
- optional: partial veneering

#### System compatibility

**VITA YZ SOLUTIONS – SYSTEM SOLUTIONS**
VITA offers VITA YZ blanks with a specific holder system for the CAD/CAM system:
inLab MC XL family, CEREC MC XL family*** (Dentsply Sirona)

**VITA YZ SOLUTIONS – UNIVERSAL SOLUTIONS**
CORITEC line (imes-icore GmbH), DMG ULTRASONIC series (DMG Mori AG), Röders RXD line (Röders GmbH), N4/R5/S1/S2/Z4/R5 (vhf camfacture AG), inLab MC X5 (Dentsply Sirona), Ceramill mikro 4X/Ceramill mikro 5X/Ceramill Motion 2 (Amann Girrbach AG)****, KaVo Everest (KaVo Dental GmbH)

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

**) Note: The range of VITA CAD/CAM material versions/geometries/shades available may vary for individual CAD/CAM system partners or systems.

***) CEREC MC XL family applies only for VITA YZ HT, inLab MC XL family for T and HT.

****) Only with adapter for 98.4 mm discs
〉AVAILABLE SHADES

VITA YZ T, translucent
- VITA YZ T White: non-colored for manual coloring using VITA YZ T COLORING LIQUIDS
- VITA YZ T Color: precolored in the lightness levels LL1 (light)*, LL2 (medium), LL3 (intense)

VITA YZ HT, high translucent
- VITA YZ HT White: non-colored for manual coloring using VITA YZ HT SHADE LIQUIDS
- VITA YZ HT Color**: A1, A2, A3, 1M2, 2M2, 3M2

VITA YZ ST/XT, super translucent/extra translucent
- VITA YZ ST/XT White: non-colored for manual coloring using VITA YZ ST/XT SHADE LIQUIDS
- VITA YZ ST/XT Color*: all 16 VITA classical A1-D4 shades
- VITA YZ ST/XT Multicolor*: A1, A2, A3, A3.5, B2, C2, D2

*) VITA YZ T Color block geometries are only available in LL1
**) Only available in disc geometry

〉AVAILABLE GEOMETRIES (geometries in mm)

Discs (Ø 98.4 mm):
- VITA YZ T: h 12*, 14, 16*, 18, 20, 25*
- VITA YZ HT: h 12*, 14, 16*, 18, 20, 25
- VITA YZ ST: h 14**, 18**, 20, 22** (exclusively for Multicolor), 25
- VITA YZ XT: h 14**, 18**, 20, 22** (exclusively for Multicolor), 25

Blocks:
- VITA YZ T: 20/19: 20 x 19 x 15.5; 40/19: 39 x 19 x 15.5; 55: 55 x 19 x 15.5; 65/25: 65 x 25 x 22
- VITA YZ HT*: 20/19: 20 x 19 x 15.5; 40/19: 39 x 19 x 15.5; 55/19: 55 x 19 x 19; 65/25: 65 x 25 x 22

Note: The available range of geometries may differ with individual White and (Multi)Color variants.
*) These geometries are only available as uncolored VITA YZ T/HT*** versions.
**) VITA YZ ST/XT Multicolor is only available in: 14, 18, 22 mm
AVAILABLE INDIVIDUAL PRODUCTS/ASSORTMENTS

VITA YZ T/HT
- Pack of 1, 2 or 4 VITA YZ T/HT blank(s)
- Pack of 1 VITA YZ T/HT Disc blank

VITA YZ ST/XT
- Pack of 1 VITA YZ ST/XT Disc blank

AVAILABLE SYSTEM COMPONENTS

Coloring with VITA YZ LIQUIDS
Sintering with VITA ZYRCOMAT 6000 MS
Individualization with VITA VM 9
Characterization with VITA AKZENT Plus

Bonding with VITA ADIVA LUTING SOLUTIONS
FACTS & FEATURES

What?
• digital manufacturing process for the fabrication of fully anatomical dual structure bridges with a zirconia substructure and a feldspar/hybrid ceramic veneer structure

Benefits?
• reduction of time and costs using a digital manufacturing process for the substructure and veneer structure
• high reliability and minimized risk of chipping thanks to monolithic veneer structure
• simple and reliable bonding of the substructure and veneer structure, thanks to adhesive bonding

What for?
• ideal solution for fully anatomical posterior dual structure bridges
**BASIC INFORMATION**

**Recommended indications?**

**VITA Rapid Layer Technology**

- fully anatomical posterior dual structure bridges with up to four units

**Process steps**

2-step process:

- CAM fabrication of substructure and veneer structure and sintering of the substructure
- Luting composite is used for bonding both structures.

**System compatibility?**

**VITA Rapid Layer Technology – SYSTEM SOLUTIONS**

VITA offers suitable CAD/CAM materials with a special holder system for the CAD/CAM system:

- inLab (Dentsply Sirona)

**VITA RAPID LAYER – UNIVERSAL SOLUTIONS for VITA YZ T**

CORiTEC-line (imes-icore GmbH), DMG ULTRASONIC line (DMG Mori AG), Röders RXD line (Röders GmbH), N4/R5/S1/S2/Z4/R5 (vhf camfacture AG), inLab MC X5 (Dentsply Sirona), Ceramill mikro 4X/Ceramill mikro 5X/Ceramill Motion 2 (Amann Girrbach AG)***, KaVo Everest (KaVo Dental GmbH)

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

**) Note: The range of VITA CAD/CAM material versions/geometries/shades available may vary for individual CAD/CAM system partners or systems.

***) Only with adapter for 98.4 mm disc
› AVAILABLE SHADES

- **VITA YZ** T-blanks
  - **VITA YZ** T<sub>White</sub>: non-colored for manual coloring with YZ T COLORING LIQUIDS
  - **VITA YZ** T<sub>Color</sub>: precolored in the color/lightness level Color LL1/light*, LL2/medium, LL3/intense
- **VITABLOCS** blanks
  - VITA SYSTEM 3D-MASTER: 1M1C (only VITABLOCS Mark II), 1M2C, 2M2C and 3M2C
- **VITA ENAMIC** blanks
  - cf. chapter VITA ENAMIC

*) VITA YZ T<sup>**</sup> block geometries are only available in LL1

› AVAILABLE GEOMETRIES* (GEOMETRIES IN MM)

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**Discs (Ø 98.4 mm):**
- **VITA YZ** T: h 12**, 14, 16**, 18, 20, 25

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**Blocks:**
- **VITA YZ** T for substructures: **YZ-40/19**: 39 x 19 x 15.5
- **VITABLOCS** Mark II for veneer structures: **I-40/19**: 39 x 19 x 15.5
- **VITABLOCS** TriLuxe forte for veneer structures: **TF-40/19**: 39 x 19 x 15.5

*) VITA ENAMIC blanks cf. chapter VITA ENAMIC
***) Note: These geometries are only available as uncolored VITA YZ T<sub>White</sub> versions.
AVAILABLE INDIVIDUAL PRODUCTS/ASSORTMENTS

VITA Rapid Layer Technology
- Pack of 2 VITA YZ T blanks/1 Disc blank
- Pack of 2 VITABLOCS Mark II/ TriLuxe forte feldspar ceramic blanks
- Pack of VITA ENAMIC; see chapter on VITA ENAMIC

AVAILABLE SYSTEM COMPONENTS

Coloring with VITA YZ T COLORING LIQUID
Bonding with recommended bonding/adhesive systems
Individualization with VITA AKZENT Plus

more information: chapter Components/Accessories
System components / accessories
Ideal solutions during processing

- For digital shade determination, use VITA Easyshade V, and for traditional shade determination, the VITA Linearguide 3D-MASTER or the VITA classical A1–D4 shade guide can be used.

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

- For feldspar, glass ceramics and zirconia, use VITA AKZENT Plus stains and the VITA VM 9 or VITA VM 11 veneering ceramics. Use VITA ENAMIC STAINS for the hybrid ceramic and VITA VM LC flow for individualization.

- Glaze, stains and/or dentine and crystallization firing are best carried out with the VITA VACUMAT 6000 M or the VITA SMART.FIRE.
  - It is recommended to use the VITA ZYRCOMAT 6100 MS** for sinter firing.
  - Note: When using a hybrid ceramic, firing must not be carried out.

- In the case of VITA feldspar ceramics, use polishing systems suitable for silicate ceramics (e. g., VITA Karat diamond polishing set).

- For VITA glass and hybrid ceramics, the VITA SUPRINITY/VITA ENAMIC polishing sets should be used.

- When bonding VITA feldspar, glass, hybrid and zirconia ceramics, you can use VITA ADIVA LUTING SOLUTIONS or an alternative bonding system recommended by VITA.

*) Note “Optional process steps/firing”: The feldspar and hybrid ceramic materials can be seated directly after milling and polishing. The following process steps mentioned above are optional for feldspar ceramic. The same steps are required for the hybrid ceramic, but with the hybrid ceramic, firing must not be carried out. When zirconia is used, sinter firing is carried out prior to characterization/individualization.

**) Available from May 2019
System components

VITABLOCS® system components

VITA Karat diamond polishing set
For indirect high gloss polishing of ceramic restorations. Contains diamond polishing paste, 20 diamond felt wheels and one nickel-plated mandrel.

VITA AKZENT Plus
Fluorescent stains made of glazing and masking materials. Available as powder, paste or spray.

VITA VM 9
Veneering material for individualizing VITABLOCS restorations following cut-back and VITA YZ substructures.

VITA ENAMIC® system components

VITA ENAMIC Polishing Set clinical/technical
Two-stage polishing system with a total number of eight pre- and high-gloss polishers for the contra-angle or the handpiece.

VITA ENAMIC STAINS
Light-curing stains and accessories for the reproduction of natural shade nuances of VITA ENAMIC restorations.

VITA VM LC flow
Light-curing, low-viscous composite materials for individualizing restorations made of VITA ENAMIC, for example.
VITA SUPRINITY® system components

**VITA SUPRINITY Polishing Set clinical/technical**
Two-stage polishing system with a total number of six (clinical) or eight (technical) pre- and high-gloss polishers for the contra-angle or the handpiece.

**VITA AKZENT Plus**
Fluorescent stains made of glazing and masking materials. Available as powder, paste or spray.

**VITA VM 11**
Veneering material for individualizing VITA SUPRINITY PC. Available as CREATIVE KIT with 26 EFFECT materials or DENTINE KIT with 10 materials.

VITA YZ® SOLUTIONS system components

**VITA YZ T COLORING LIQUID**
Liquids in four shade nuances for individually coloring VITA YZ T substructures.

**VITA YZ HT/ST/XT SHADE LIQUIDS**
Liquids for manual coloring of VITA YZ HT/ST/XT restorations.

**VITA AKZENT Plus**
Fluorescent stains made of glazing and masking materials. Available as powder, paste or spray.

**VITA VM 9**
Veneering material for individualizing VITA YZ substructures.
〉 Accessories

〉 SHADE DETERMINATION/EVALUATION

**VITA Easyshade V**
For digital shade determination within seconds (results in shade standards, such as VITA SYSTEM 3D-MASTER, VITA classical A1–D4 and many others.)

**VITA Linearguide 3D-MASTER**
With this guide, you can determine the correct tooth shade in just two steps.

**VITA classical A1–D4 shade guide**
Simple shade selection using direct comparison of shade samples with the natural tooth in a single step.

*) Available from May 2019

〉 UNITS FOR FIRING

**VITA VACUMAT 6000 M**
Fully automatic premium firing unit for crystallization and stains firing, as well as firing veneering materials in a compact design.

**VITA ZYRCOMAT 6100 MS**
High-speed sintering furnace for zirconia based dental ceramic substructure materials. Convenient one-touch-operation with VITA vPad control panels.

**VITA SMART.FIRE**
Developed specifically for dental practices for crystallization, glaze, stains and corrective firing of all common chairside materials.
MATERIALS FOR BONDING

**VITA ADIVA FULL-ADHESIVE**
Fully adhesive bonding system with all components required for the conditioning of tooth substance and restoration materials made of feldspar, glass, hybrid ceramic, zirconia, composite and metal.

**VITA ADIVA SELF-ADHESIVE**
Self-adhesive bonding system with all components required for conditioning and bonding of restoration materials made of feldspar, glass, hybrid ceramic, zirconia, composite and metal.

**VITA ADIVA IA-CEM**
Ultra-opaque composite cements for bonding crowns on titanium bases and individual titanium abutments.

**VITA ADIVA TE-CEM**
Dual-curing translucent composite cement for temporary bonding of restorations.

**VITA ADIVA T-BOND SET**
Dual-hardening bonding system for a secure bond between the adhesive composite and the tooth substance.

**VITA ADIVA TOOTH-ETCH**
Phosphoric acid gel, 37%, with blue coloring, for etching tooth substance.

**VITA ADIVA CERA-ETCH**
Hydrofluoric acid gel, 5%, with red coloring, for etching feldspar, glass and hybrid ceramic restorations. Intended for extraoral use only!

**VITA ADIVA OXY-PREVENT**
Neutral-colored glycerine gel to prevent the formation of an oxygen inhibition layer. Can also be used as a try-in paste.

**VITA ADIVA PRIMER**
Bonding agents for restorations made of feldspar-, glass- and hybrid ceramic (C-PRIME), zirconia (ZR-PRIME) and metals such as alloys (M-PRIME).
VITA CAD/CAM MATERIALS – Bonding recommendations

<table>
<thead>
<tr>
<th>VITA CAD/CAM Material</th>
<th>Material class</th>
<th>Type of bonding</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>adhesive</td>
</tr>
<tr>
<td>VITABLOCS</td>
<td>Silicate ceramic</td>
<td>●</td>
</tr>
<tr>
<td>VITA ENAMIC</td>
<td>Hybrid ceramic</td>
<td>●</td>
</tr>
<tr>
<td>VITA SUPRINITY PC</td>
<td>Zirconia-reinforced Lithium silicate ceramic</td>
<td>●</td>
</tr>
<tr>
<td>VITA YZ SOLUTIONS</td>
<td>Zirconia</td>
<td>●</td>
</tr>
</tbody>
</table>

Silicate ceramic

Glass ionomers: not possible
Adhesive materials: VITA ADIVA F-CEM (VITA Zahnfabrik), Variolink Esthetic (Ivoclar Vivadent), Multilink Automix (Ivoclar Vivadent), Vitique (DMG), NX3 (KerrHawe), Calibra Ceram (Dentsply Sirona), RelyX Ultimate (3M ESPE), Bifix QM (VOCO), PANAVIA V5 (Kuraray Noritake), DuoCem (Coltène/Whaledent)
Self-adhesive materials: VITA ADIVA S-CEM (VITA Zahnfabrik), RelyX Unicem 2 (3M ESPE)

Hybrid ceramic

Glass ionomers: not possible
Adhesive materials: VITA ADIVA F-CEM (VITA Zahnfabrik), Variolink Esthetic (Ivoclar Vivadent), Vitique (DMG), NX3 (KerrHawe), Calibra Ceram (Dentsply Sirona), RelyX Ultimate (3M ESPE), Bifix QM (VOCO), Panavia V5 (Kuraray), DuoCem (Coltène/Whaledent)
Self-adhesive materials: VITA ADIVA S-CEM (VITA Zahnfabrik), RelyX Unicem 2 (3M ESPE)

Zirconia-reinforced lithium silicate ceramic

Glass ionomers: Ketac Cem (3M ESPE); Vivaglass CEM (Ivoclar Vivadent), FujiCem (GC Dental)
Adhesive materials: VITA ADIVA F-CEM (VITA Zahnfabrik), Variolink Esthetic (Ivoclar Vivadent), Vitique (DMG), NX3 (KerrHawe), Calibra Ceram (Dentsply Sirona), RelyX Ultimate (3M ESPE), Bifix QM (VOCO), Panavia V5 (Kuraray), DuoCem (Coltène/Whaledent)
Self-adhesive materials: VITA ADIVA S-CEM (VITA Zahnfabrik), RelyX Unicem 2 (3M ESPE)

Zirconia

Glass ionomers: Ketac CEM (3M ESPE), Vivaglass CEM (Ivoclar Vivadent), GC Fuji I (GC Dental)
Adhesive materials: VITA ADIVA F-CEM (VITA Zahnfabrik), Multilink Automix (Ivoclar Vivadent), PANAVIA V5 (Kuraray)
Self-adhesive materials: VITA ADIVA S-CEM (VITA Zahnfabrik), RelyX Unicem 2 (3M ESPE)

Please note:

1) In the case of silicate ceramics and hybrid ceramics, self-adhesive luting composites may only be used for crowns.
2) Conventional bonding materials (e.g. Ketac CEM, 3M ESPE, Vivaglass CEM, Ivoclar Vivadent, GC Fuji I, GC Dental) may be used exclusively for crowns on natural teeth. The preparation requires retentive surfaces for conventional cementation, and – based on the preparation guidelines – the anatomical shape must be reduced while adhering to the minimum layer thickness indicated.
With conventional bonding, the bond is almost exclusively achieved by static friction between the bonding material and the restoration, and between the bonding material and the preparation. To achieve the required static friction, retentive preparation with a preparation angle of approx. 4 – 6° and the application of VITA ADIVA CERA-ETCH to the respective ceramic surfaces (for 20 seconds) are required.
3) Oxide ceramics cannot be etched using hydrofluoric acid gel and must be sandblasted with Al₂O₃ (50 μm) at a maximum pressure of 2 bar, prior to bonding to increase the retention. The phosphate monomer contained in the composites/primer will create a chemical bond between the sandblasted oxide ceramic surface and the composite. Adhesive bonding is recommended for short stumps (≤ 4 mm).
We are here to help

More information about the products and processing is also available at www.vita-zahnfabrik.com

Sales Support Hotline
Tel. +49 - 7761 / 56 28 84
Fax +49 - 7761 / 56 22 99
8 a.m. to 5 p.m.

Mr. Udo Wolfner and his team (Internal Sales Department) will be glad to assist you with orders or questions about the delivery, product data and marketing material.

Technical Hotline
Tel: +49 - 7761 /56 22 22
Fax +49 - 7761 / 56 24 46
8 a.m. to 5 p.m.

If you have technical questions concerning VITA CAD/CAM product solutions, you can contact our technical specialists Mr. Ralf Mehlin or Mr. Daniel Schneider.

Email contact
You can email your questions and requests to info@vita-zahnfabrik.com!

Additional international contact information can be found at www.vita-zahnfabrik.com/contacts
For smaller, esthetic reconstructions

For minimally invasive, delicate and implant-supported reconstructions

For a wide indication range

For implant-supported restorations

For temporary crown/bridge restorations

For drilling templates/digital wax-up

For fully/partially veneered and monolithic bridge restorations

For fully anatomical, dual-structure bridges

For polishing, characterization, individualization and more
VITABLOCS®
- proven a million times over
- efficient fabrication
- natural play of colors

VITA ENAMIC®
- enormous load capacity
- minimally invasive restorations for the preservation of natural tooth structure

VITA SUPRINITY® PC
- high reliability
- optimized edge stability

VITA IMPLANT SOLUTIONS
- efficient fabrication of implant suprastructures

VITA CAD-Temp®
- cost-effective fabrication of temporaries
- good long-term stability

VITA CAD-Waxx
- simple, digital modelling
- computer-aided fabrication of templates

VITA YZ® SOLUTIONS
- precise results
- reliable reproduction of shades

VITA Rapid Layer Technology
- fabrication in a short time
- high reliability

- matched system components

- single-tooth restorations
- implant prosthetics
- temporary restorations/auxiliaries
- framework constructions/fully anatomical bridges
- accessories
Ideal solutions
for single tooth restorations

Ideal solutions
for implant-supported restorations

Ideal solutions
for temporary restorations/
auxiliaries

Ideal solutions
for substructures/
fully anatomical bridges

Components/accessories
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VITA Zahnfabrik has been certified and the following products bear the CE mark

\[\text{CE 0124: VITA ENAMIC, VITA ENAMIC PLUS, VITA VM9, VITA VM11, VITA VM LC Flow, VITA AKZENT Plus, VITA CAD-Temp, VITA YZ T, VITA YZ HT, VITA YZ ST, VITA YZ XT, VITA YZ T COLORING LIQUID}\]

Innovation MediTech GmbH has been certified in accordance with the Medical Device Directive and the following products bear the CE mark \[\text{CE 0044: VITA ENAMIC STAINS}\]

Zirkonzahn Srl. has been certified in accordance with the Medical Device Direct and the following product bears the CE mark \[\text{CE 0476: VITA YZ T SHADE LIQUID, VITA YZ ST SHADE LIQUID, VITA YZ XT SHADE LIQUID}\]

Harvard Dental International GmbH has been certified in accordance with the Medical Device Directive and the following products bear the CE mark \[\text{CE 0482: VITA ADIVA F-CEM, VITA ADIVA S-CEM, VITA ADIVA TE-CEM, VITA ADIVA TOOTH-ETCH, VITA ADIVA T-BOND I + II, VITA ADIVA C-PRIME, VITA ADIVA ZR-PRIME, VITA ADIVA M-PRIME}\]

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