

Proven solutions. Esthetic and efficient.



VITA CAD/CAM SOLUTIONS

The comprehensive portfolio for esthetic and efficient solutions! Discover our proven CAD/CAM materials, which cover almost every indication.

Overview of indications

	Zirconia ceramic				Feldspar ceramic	Glass ceramic	Hybrid ceramic	Polymer/Composite	
	VITA YZ T	VITA YZ HT	VITA YZ ST**	VITA YZ XT	VITABLOCS	VITA SUPRINITY PC	VITA ENAMIC	VITA CAD-Temp	VITA CAD-Waxx
	○	○	○	×	—	○ ¹⁾	● ¹⁾	●	—
	●	●	×	×	×	×	—	—	—
	—	—	—	—	○	○	○	—	—
	—	○	●	●	●	●	●	—	▲
	—	○	●	●	●	●	●	—	▲
	—	○	●	●	●	●	●	●	▲
	—	○	●	●	×	×	×	●	▲
	—	○	●	×	×	×	×	●	▲
	○	●	●	●	○	●	●	●	▲
	○	●	●	●	×	×	×	●	▲
	○	●	●	×	×	×	×	●	▲
	●	●	○	○	×	○	×	×	▲
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	●	●	○	×	×	×	×	×	▲
	●	●	○	○	×	○	—	×	▲
	●	●	○	○	×	×	×	×	▲
	●	●	○	×	×	×	×	—	▲

● recommended* ○ possible × not possible — not recommended ▲ only as a substitute for modelling wax

* 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.

- 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 two adjacent pontics

VITABLOCS® Mark II, TriLuxe forte, RealLife



> FACTS AND 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**
- solution for highly esthetic reconstructions of minor defects (VITABLOCS Mark II) and esthetic restorations in the visible region (VITABLOCS TriLuxe forte, VITABLOCS 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

One-step materials:

- CAM fabrication, polishing and seating;
firing not required
- optional: characterization / individualization

System compatibility

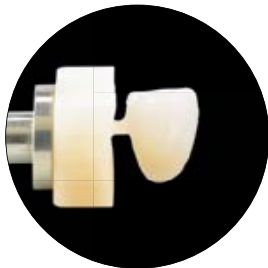
VITABLOCS – SYSTEM SOLUTION

VITA offers VITABLOCS with the holder system for CEREC/inLab (Dentsply Sirona)



VITABLOCS – UNIVERSAL SOLUTIONS**

- CORiTEC line (imes-icore GmbH)
- DGSHAPE DWX Serie (DGSHAPE Corporation)
- CS 3000 /CS 3100 (Carestream Dental, Inc.)
- N/R/S/Z/E Serien (vhf manufacture AG)
- Zfx Inhouse5x (Zfx GmbH)
- Organical Desktop Serie (R+K CAD/CAM)
- Technologie GmbH & Co. KG)
- DMG ULTRASONIC-Serie (DMG Mori AG)
- Ceramill DRS (Amann Girrbach)Ceramill DRS (Amann Girrbach)



*) These are recommended indications; normally, a more comprehensive range of restorations can be fabricated. For details, please refer to the respective instructions for use 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
- VITA classical A1–D4: A1C, A2C, A3C, A3.5C, A4C, B1C, B2C, B3C, C2C, C3C, D3C

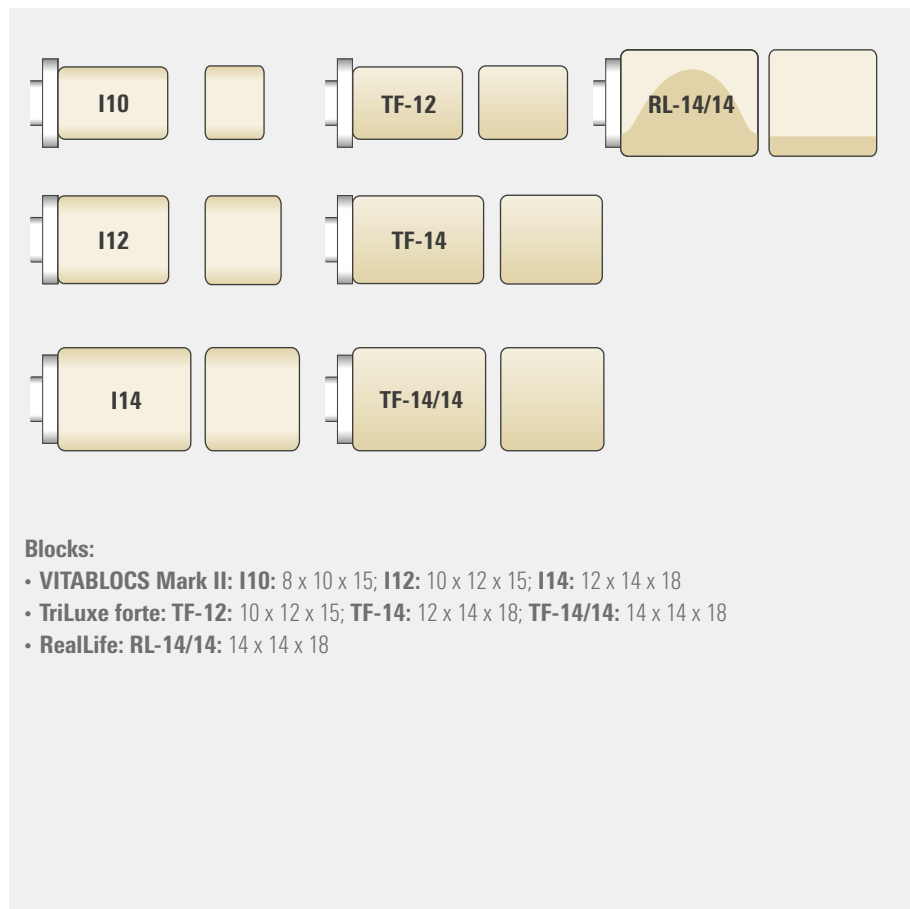
VITABLOCS TriLuxe forte

- VITA SYSTEM 3D-MASTER: 0M1C, 1M1C, 1M2C, 2M2C, 3M2C
- VITA classical A1–D4: A1C, A2C, A3C, A3.5C, B1C, B2C, B3C, C2C, C3C

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



> FACTS AND FEATURES

- What**
- Unique hybrid ceramic with a dual ceramic-polymer network structure
 - Available as monochromatic 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
 - **hybrid ceramic enables reduced wall thickness**
compared to feldspar ceramic, making non-/minimally invasive restorations possible.
 - **fabricating accurate, precise and delicate structures**
using a hybrid material with reduced brittleness
 - **cost-effective reconstruction**
thanks to time-saving CAM fabrication and efficient polishing without any firing process

- What for**
- Solution for minimally invasive, delicate and implant-supported reconstructions

*) In addition to a high degree of elasticity, this innovative hybrid ceramic ensures high load capacity after adhesive bonding.

> 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 HT 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

One-step materials:

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

System compatibility

VITA ENAMIC – SYSTEM SOLUTION***

VITA offers VITA ENAMIC with the holder system for CEREC/inLab (Dentsply Sirona)

VITA ENAMIC – UNIVERSAL SOLUTIONS***

CORiTEC Serie (imes-icore GmbH), Röders RXD Serie (Röders GmbH), DGSHAPE DWX Serie (DGSHAPE Corporation), CS 3000/CS 3100 (Carestream Dental, Inc), Zfx Inhouse5x (Zfx GmbH), Milling UNIT M Serie (Zirkonzahn S.r.l.), N/R/S/Z/E Serien (vhf camufacture AG), Organical Desktop Serie (R+K CAD/CAM Technologie GmbH), DMG ULTRASONIC-Serie (DMG Mori AG), Ceramill DRS (Amann Girrbach)



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

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

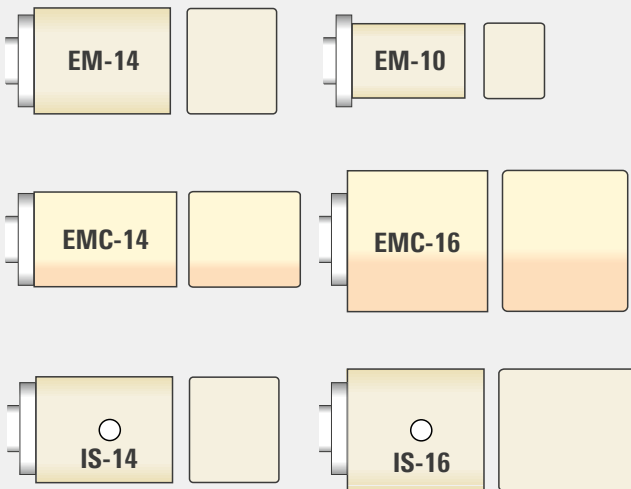
***) Note: The range of VITA CAD/CAM material versions/geometries/shades available may vary for individual CAD/CAM system partners or systems.

> AVAILABLE SHADES

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

*) available as multiColor

> AVAILABLE GEOMETRIES (geometries in mm)



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)

*) Note: with an integrated S- or L-interface for each geometry size



> FACTS AND 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**
- solution for anterior and posterior crowns, superstructures on implants, as well as inlays, onlays and veneers

VITA SUPRINITY® PC

> 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

Two-step material:

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

System compatibility

VITA SUPRINITY PC – SYSTEM SOLUTION**

VITA offers VITA SUPRINITY PC with the holder system for CEREC/inLab (Dentsply Sirona)

VITA SUPRINITY PC – UNIVERSAL SOLUTIONS**

VITA offers VITA SUPRINITY PC with universal holder system for the CAD/CAM systems:

- CS 3000/CS 3100 (Carestream Dental, Inc)
- DMG ULTRASONIC line (DMG Mori AG)
- CORiTEC line (imes-icore GmbH)
- Röders RXD line (Röders GmbH)
- N/R/S/Z/E Serien (vhf manufacture AG)
- MILLING UNIT M line (Zirkonzahn S.r.l.)
- DGSHAPE DWX Serie (DGSHAPE Corporation)
- Zfx Inhouse5x (Zfx GmbH)



*) These are recommended indications; normally, a more comprehensive range of restorations can be fabricated. For details, please refer to the respective instructions for use 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 classical A1–D4: A1, A2, A3, A3.5, B2, C2, D2

VITA SYSTEM 3D-MASTER: 0M1, 1M1, 1M2, 2M2, 3M2, 4M2

- **VITA SUPRINITY PC, translucent (T)**

VITA classical A1–D4: A1, A2, A3, A3.5, B2, C2, D2

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

VITA IMPLANT SOLUTIONS



> FACTS AND 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**
- solution for permanent and temporary implant-supported restorations

VITA IMPLANT SOLUTIONS

> 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

One-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 instructions for use 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

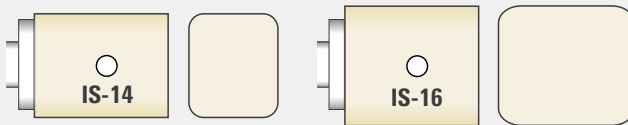
- **VITA ENAMIC IS-16, high translucent (HT)**

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



> FACTS AND 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 one year)
 - **natural shade effect**
thanks to impressive light optical properties
 - **cost-effective fabrication of temporaries**
thanks to time-saving CAD/CAM fabrication
- What for**
- solution for fully or partially anatomical long-term temporary restorations (VITA CAD-Temp) and temporary implant-supported restorations (VITA CAD-Temp IS)

> BASIC INFORMATION



Recommended indications* VITA CAD-Temp monoColor

- Bridge temporaries with up to two pontics, crown temporaries in the posterior region



VITA CAD-Temp multiColor

- Bridge temporaries with up to two pontics, crown temporaries in the anterior region



VITA CAD-Temp IS**

- temporary restorations/soft-tissue management

Process steps

One-step materials:

- CAM fabrication, polishing and seating

System compatibility

VITA CAD-Temp – SYSTEM SOLUTION

VITA offers VITA CAD-Temp with specific holder system for CEREC/inLab (Dentsply Sirona)

VITA CAD-Temp – UNIVERSAL SOLUTIONS***

VITA offers VITA CAD-Temp in a universal DISC geometry (Ø 98.4 mm) for the CAD/CAM systems:

- CORiTEC Serie (imes-icore GmbH),
- DGSHAPE DWX Serie (DGSHAPE Corporation),
- DMG ULTRASONIC Serie (DMG Mori AG),
- CS 3000/CS 3100 (Carestream Dental, Inc.),
- Röders RXD Serie (Röders GmbH), i
- nLab MC X5 (Dentsply Sirona),
- N/R/S/Z/E Serien (vhf camfacturer AG),
- Ceramill DRS (Amann Girrbach)Ceramill DRS (Amann Girrbach)

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; normally, a more comprehensive range of restorations can be fabricated. For details, please refer to the respective instructions for use 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

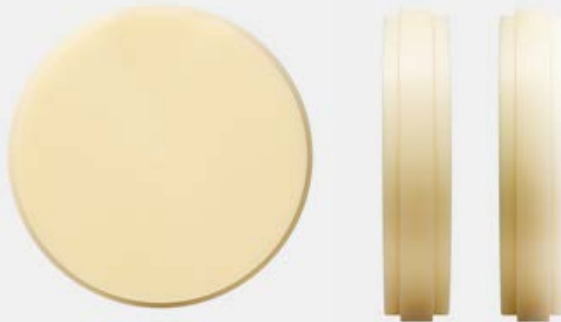
- **VITA CAD-Temp monoColor**

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

- **VITA CAD-Temp multiColor**

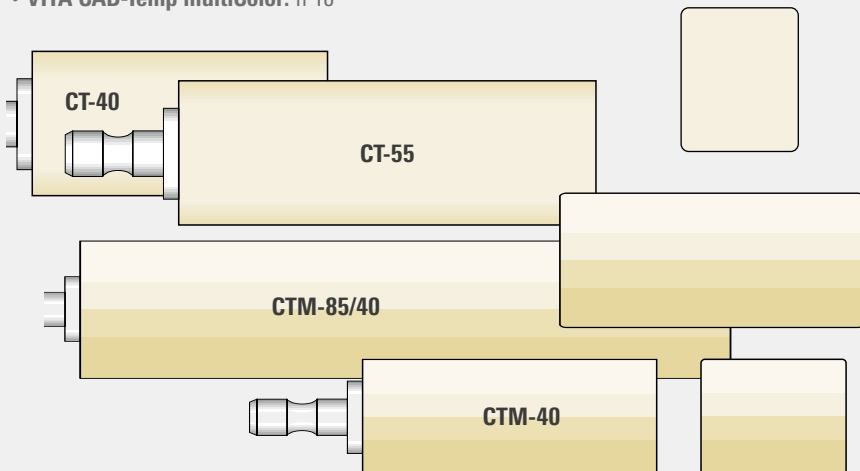
VITA SYSTEM 3D-MASTER: 1M2T, 2M2T, 3M2T

› AVAILABLE GEOMETRIES (geometries in mm)



Discs (Ø 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

VITA CAD-Waxx



> FACTS AND FEATURES

- What**
- acrylate polymer that burns out without leaving any residue for computer-aided fabrication of wax-ups for press and casting techniques
- Benefits**
- **class 1 medical device**
Restorations can be tried in the mouth
 - **cast and pressed restorations free from bubbles and cavities**
since the CAD-Waxx material burns out without leaving any residue
- What for**
- aid for the digital wax-up technique

› BASIC INFORMATION

Recommended indications*

VITA CAD-Waxx

- for the fabrication of pressed/cast objects

Process steps

One-step materials:

- CAM fabrication of pressed objects

System compatibility

VITA CAD-Temp – SYSTEM SOLUTION

VITA offers VITA CAD-Waxx with the specific holder system for CEREC/inLab (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; normally, a more comprehensive range of restorations can be fabricated. For details, please refer to the respective instructions for use of the products.

> AVAILABLE SHADES

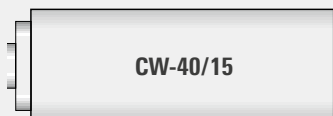
- **VITA CAD-W_{axx}**
blanks are transparent

> AVAILABLE GEOMETRIES (geometries in mm)



Discs (Ø 98.4 mm):

- **VITA CAD-W_{axx}**: h 20



Blocks:

- **VITA CAD-W_{axx}**: **CW-40/15**: 14 x 15 x 40



FACTS AND 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**
- solution for the fabrication of precise and true-to-shade partially/fully and monolithic veneered anterior and posterior bridge restorations

> BASIC INFORMATION



Recommended indications*

VITA YZ T/HT

- natural, individual, fully veneered substructures



VITA YZ ST

- monolithic and partially/fully veneered posterior restorations



VITA YZ XT

- monolithic and partially/fully veneered anterior restorations

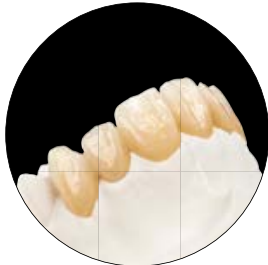
Process steps

Four-step material VITA YZ T/HT

- CAM fabrication, sintering, full veneering, glaze firing

Three-step material VITA YZ ST/XT

- CAM fabrication, sintering, glaze firing
- optional: partial/full 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-Serie (imes-icore GmbH),
- DMG ULTRASONIC Series (DMG Mori AG),
- Röders RXD Series (Röders GmbH),
- N/R/S/Z/E Serien (vhf camfacture AG),
- inLab MC X5 (Dentsply Sirona),
- Ceramill mikro/Motion/Matik/DRS Serien (Amann Girrbach AG)****

Note: VITA YZ 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; normally, a more comprehensive range of restorations can be fabricated. For details, please refer to the respective instructions for use 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

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

VITA YZ HT, high translucent

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

VITA YZ ST/XT, super translucent/extra translucent

- ST/XT^{White**}: non-colored for manual coloring using VITA YZ ST/XT SHADE LIQUIDS
- ST/XT^{Color**}: all 16 VITA classical A1-D4 shades VITA YZ ST^{Color}: 1M1, 2M1, 3M1
- XT^{Multicolor**}: A1, A2, A3, A3.5, B2, C2, D2
- ST^{Multicolor**}: all 16 VITA classical A1-D4 shades, 0M1, 0M2, 0M3, 1M1, 1M2, 2M1, 2M2, 3M1, 3M2, 4M1, 4M2

*) VITA YZ T^{Color} block geometries are only available in LL1

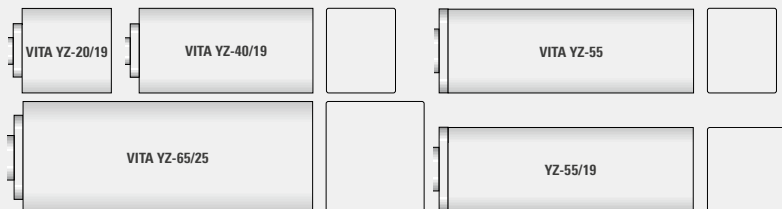
**) Only available in disc geometry

> AVAILABLE GEOMETRIES (geometries in mm)



Discs (Ø 98.4 mm):

- VITA YZ T/HT: h 12*, 14, 16*, 18, 20, 25
- VITA YZ ST/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.

*) Only available as T/HT^{White} variants.

**) ST^{Multicolor} and XT^{Multicolor} are only available in: 14, 18 and 22 mm; 25 mm only for ST^{Multicolor}

Bonding recommendations

VITA CAD/CAM Material	Material class	Type of bonding		
		adhesive	self-adhesive	conventional
VITABLOCS	Silicate ceramic	●	● ¹⁾	✗
VITA ENAMIC	Hybrid ceramic	●	● ¹⁾	✗
VITA SUPRINITY PC	Zirconia-reinforced Lithium silicate ceramic	●	●	○ ²⁾
VITA YZ SOLUTIONS ³⁾	Zirconia	●	●	●

● recommended ○ possible ✗ not possible

■ Silicate ceramic

Glass ionomers: not possible

Adhesive materials: VITA ADIVA F-CEM, VITA ADIVA IA-CEM, ultra-opak (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 ADIVA IA-CEM, ultra-opak (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 ADIVA IA-CEM, ultra-opak (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)

■ Zirconia³⁾

Glass ionomers: Ketac CEM (3M ESPE), Vivaglass CEM (Ivoclar Vivadent), GC Fuji I (GC Dental)

Adhesive materials: VITA ADIVA F-CEM, VITA ADIVA IA-CEM, ultra-opak (VITA Zahnfabrik), Multilink Automix (Ivoclar Vivadent), Panavia V5 (Kuraray)

Self-adhesive materials: VITA ADIVA S-CEM (VITA Zahnfabrik), RelyX Unicem 2 (3M ESPE)

VITA Polishing Tools

The two-step **VITA ENAMIC and VITA CERAMICS Polishing Sets** ensure efficient prepolishing/high-gloss polishing.

The finish is applied with VITA Polish Hybrid or VITA Polish Cera.



The **VITA ENAMIC Polishing Set clinical** was developed for reliable, efficient and material-specific surface treatment of hybrid ceramic restorations in dental practices and laboratories.



VITA Polish Hybrid is a diamond polishing paste for extraoral and final high-gloss polishing of restorations made of VITA ENAMIC hybrid ceramic, composite and polymer.



The VITA CERAMICS Polishing Set was developed for the two-step polishing of all dental ceramic materials, such as feldspar ceramics, glass ceramics and oxide ceramics in the dental practice and laboratory. The set contains a total of six polishing instruments for pre- and high-gloss polishing.



VITA Polish Cera is a diamond polishing paste for extraoral and final high-gloss polishing of restorations made of dental ceramic materials: feldspar ceramics, glass ceramics and zirconia ceramics.

Please note:

¹⁾ In the case of silicate ceramics and hybrid ceramics, self-adhesive bonding 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 indicated minimum layer thickness.

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 two bar, prior to bonding to increase the retention. The phosphate monomer contained in the composites/primers will create a chemical bond between the sandblasted oxide ceramic surface and the composite. Adhesive bonding is recommended for short stumps (≤ 4 mm).

Notes

We are happy to help.



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Please note:

Our products must be used according to the instructions for use. We accept no liability for any damage 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 and this results in damage. The VITA Modulbox is not necessarily a component of the product. Date of issue of these instructions for use: 2024-05

After the publication of this information for use, any previous versions become obsolete. The current version in each case is available at www.vita-zahnfabrik.com

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MD

VITA Zahnfabrik has been certified, and the following products bear the CE mark

CE 0124

VITABLOCKS®, VITA ENAMIC®, VITA SUPRINITY® PC, VITA CAD-Temp®, VITA YZ® T, VITA YZ® HT, VITA YZ® ST, VITA YZ® XT

Ernst Vetter GmbH has been certified and the following product bears the CE mark:

CE 0483

VITA CERAMICS Polishing Set clinical, VITA ENAMIC Polishing Set clinical



VITA CAD/CAM SOLUTIONS

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