VITA CAD/CAM MATERIALS

Catalog for practices and laboratories

VITA – perfect match.

VITA

VITA CAD/CAM MATERIALS – 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]	●	—
	●	●	✕	✕	✕	✕	—	—	—
[2]	—	—	—	—	○	○	○	—	—
	—	○	●	●	●	●	●	—	▲
	—	○	●	●	●	●	●	—	▲
	—	○	●	●	●	●	●	●	▲
	—	○	●	●	✕	✕	✕	●	▲
[3]	—	○	●	✕	✕	✕	✕	●	▲
	○	●	●	●	○	●	●	●	▲
	○	●	●	●	✕	✕	✕	●	▲
[3]	○	●	●	✕	✕ [4]	✕	✕	●	▲
	●	●	○	○	✕	○	✕	✕	▲
	●	●	○	○	✕	✕	✕	✕	▲
	●	●	○	✕	✕	✕	✕	✕	▲
	●	●	○	○	✕	○	—	✕	▲
	●	●	○	○	✕	✕	✕	✕	▲
	●	●	○	✕	✕	✕	✕	—	▲

● 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.
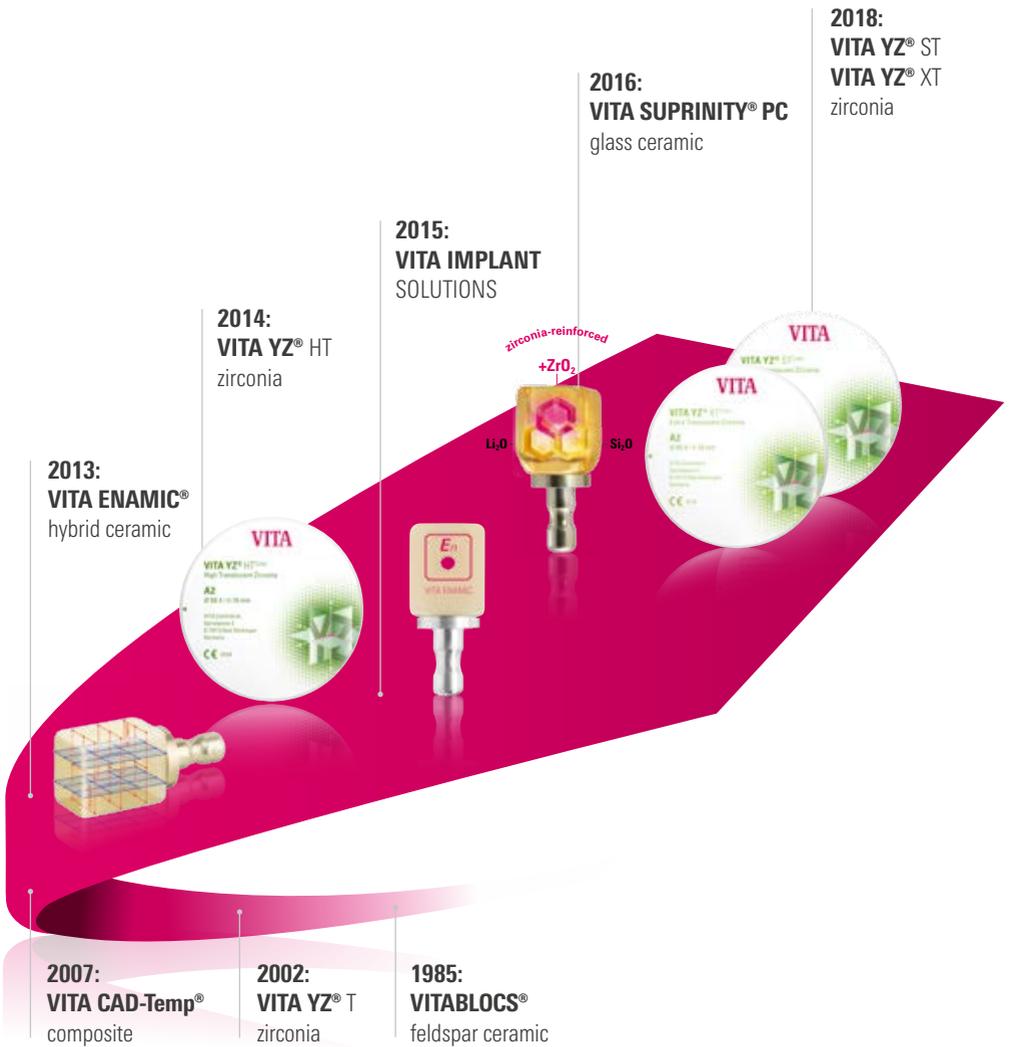   Please also observe the manufacturers' working instructions.
2) molars only
3) no more than two adjacent pontics

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.

2018:
VITA YZ® ST
VITA YZ® XT
zirconia

2016:
VITA SUPRINITY® PC
glass ceramic

2015:
VITA IMPLANT
SOLUTIONS

2014:
VITA YZ® HT
zirconia

2013:
VITA ENAMIC®
hybrid ceramic

2007:
VITA CAD-Temp®
composite

2002:
VITA YZ® T
zirconia

1985:
VITABLOCS®
feldspar ceramic

VITABLOCS®

VITA ENAMIC®

VITA SUPRINITY® PC

VITA IMPLANT SOLUTIONS

VITA CAD-Temp®

VITA CAD-Waxx

VITA YZ® SOLUTIONS

Components/ accessories

VITABLOCS® Mark II, TriLuxe forte, RealLife

Proven a million times over.

VITABLOCS®

VITA ENAMIC®

VITA SUPRINITY® PC

VITA IMPLANT SOLUTIONS

VITA CAD-Temp®

VITA CAD-Waxx

VITA YZ® SOLUTIONS

Components/ accessories

› 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?
- solution for highly 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
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**
VITA offers VITABLOCS with universal holder system for CAD/CAM
systems:
CORiTEC line (imes-icore GmbH), DGSHAPE DWX line
(DGSHAPE Corporation), CS 3000 /CS 3100 (Carestream Dental,
Inc.), N/R/S/Z/E lines (vhf camfacture AG), Zfx Inhouse5x
(Zfx GmbH), Organical Desktop line (R+K CAD/CAM Technologie
GmbH & Co. KG), DMG ULTRASCONIC series (DMG Mori AG)

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*) 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
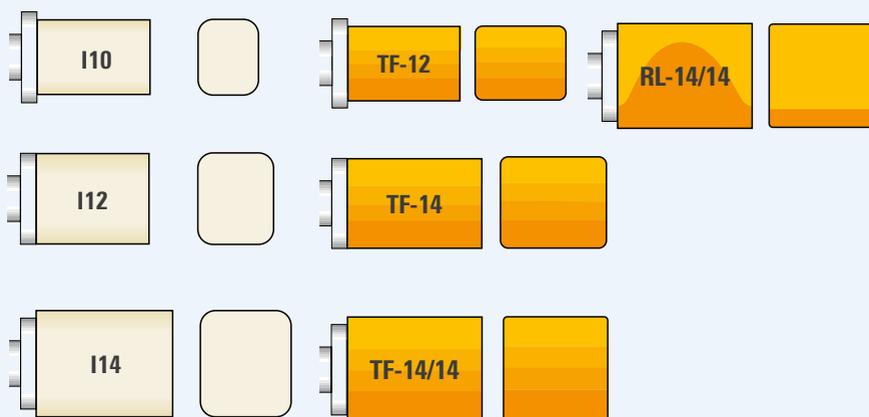- VITA classical A1–D4: A1C, A2C, A3C, A3.5C, A4C, B2C, B3C, C2C, C3C, D3C

VITABLOCS TriLuxe forte
- VITA SYSTEM 3D-MASTER: 0M1C, 1M1C, 1M2C, 2M2C, 3M2C
- VITA classical A1–D4: A1C, A2C, A3C, A3.5C

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
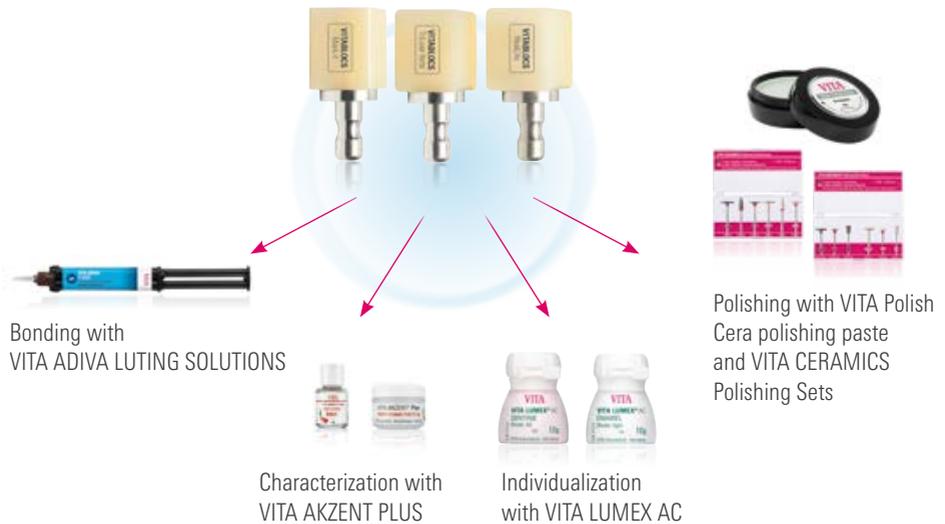- **RealLife: RL-14/14:** 14 x 14 x 18

VITABLOCS®

VITA ENAMIC®

VITA SUPRINITY® PC

VITA IMPLANT SOLUTIONS

VITA CAD-Temp®

VITA CAD-Waxx

VITA YZ® SOLUTIONS

Components/ accessories

AVAILABLE INDIVIDUAL PRODUCTS/ASSORTMENTS

VITABLOCS
- Pack of five VITABLOCS Mark II feldspar ceramic blanks
- Pack of five VITABLOCS TriLuxe forte feldspar ceramic blanks
- Pack of five VITABLOCS RealLife forte feldspar ceramic blanks

AVAILABLE SYSTEM COMPONENTS

Bonding with
VITA ADIVA LUTING SOLUTIONS

Characterization with
VITA AKZENT PLUS

Individualization
with VITA LUMEX AC

Polishing with VITA Polish
Cera polishing paste
and VITA CERAMICS
Polishing Sets

VITA ENAMIC®

A new definition of load capacity*.

VITABLOCS®

VITA ENAMIC®

VITA SUPRINITY® PC

VITA IMPLANT SOLUTIONS

VITA CAD-Temp®

VITA CAD-Waxx

VITA YZ® SOLUTIONS

Components/ accessories

⟩ FACTS & 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
- **non-/minimally invasive restorations**
  hybrid ceramic enables reduced wall thickness compared to feldspar ceramic
- **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.

more information: VITA ENAMIC Concept Brochure 10444 (for dental technicians) and 10445 (for dentists)   more product data ⟩

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

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*) 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.

VITABLOCS®

VITA ENAMIC®

VITA SUPRINITY® PC

VITA IMPLANT SOLUTIONS

VITA CAD-Temp®

VITA CAD-Waxx

VITA YZ® SOLUTIONS

Components/ accessories

› AVAILABLE SHADES

- **VITA SYSTEM 3D-MASTER, transluzent (T)**
  0M1, 1M1, 1M2, 2M1, 2M2, 2M3, 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

*)   available as multiColor

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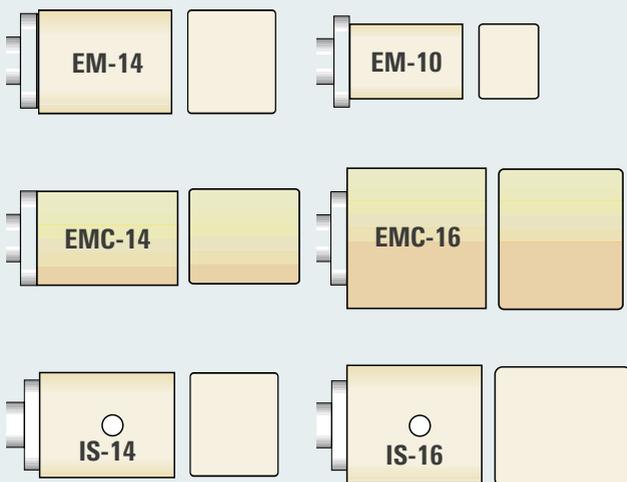
Blocks:
- **VITA ENAMIC: EM-14:** 12 x 14 x 18; **EM-10:** 8 x 10 x 15
- **VITA ENAMIC multiColor: EMC-14:** 12 x 14 x 18; **EMC-16:** 18 x 16 x 18
- **VITA ENAMIC IS*: IS-14:** 18 x 14 x 12 (for mesostructures);
  IS-16: 18 x 16 x 18 (for abutment crowns)

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

› AVAILABLE INDIVIDUAL PRODUCTS/ASSORTMENTS

VITA ENAMIC
• Pack of five VITA ENAMIC hybrid ceramic blanks

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

› AVAILABLE SYSTEM COMPONENTS

Bonding with
VITA ADIVA LUTING SOLUTIONS

Characterization
with VITA AKZENT LC

Individualization
with VITA VM LC *flow*

Polishing with
VITA Polish Hybrid
polishing paste

VITA ENAMIC
Polishing instruments

VITA SUPRINITY® PC

Glass ceramic. Revolutionized.

VITABLOCS®

VITA ENAMIC®

VITA SUPRINITY® PC

VITA IMPLANT SOLUTIONS

VITA CAD-Temp®

VITA CAD-Waxx

VITA YZ® SOLUTIONS

Components/ accessories

› 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?
- solution for anterior and posterior crowns, superstructures on implants, as well as inlays, onlays and veneers

▶ **more information**: VITA SUPRINITY Product Information 1971

more product data ›

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
series (DMG Mori AG), CORiTEC line (imes-icore GmbH), Röders
RXD line (Röders GmbH), N/R/S/Z/E lines (vhf camfacture AG),
MILLING UNIT M line (Zirkonzahn S.r.l.), DGSHAPE DWX line
(DGSHAPE Corporation), Zfx Inhouse5x (Zfx GmbH)
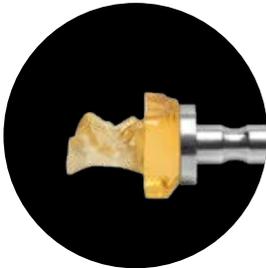
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*) These are recommended indications; normally, a more comprehensive range of restorations can be fabricated.
For details, please refer to the respective instructions for use of the products.

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

VITABLOCS®

VITA ENAMIC®

VITA SUPRINITY® PC

VITA IMPLANT SOLUTIONS

VITA CAD-Temp®

VITA CAD-Waxx

VITA YZ® SOLUTIONS

Components/ accessories

⟩ 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

› AVAILABLE INDIVIDUAL PRODUCTS/ASSORTMENTS

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

VITA SUPRINITY PC Starter Set VITA classical A1–D4/ VITA SYSTEM 3D-MASTER clinical/technical
- 12 or 16 packs of five 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 CERAMICS Polishing Set clinical/technical
- Two-stage polishing system with a total of six pre- and high-gloss polishers each for the contra angle or the handpiece

› AVAILABLE SYSTEM COMPONENTS

Bonding with
VITA ADIVA LUTING SOLUTIONS

VITA CERAMICS
Polishing Set

Characterization with
VITA AKZENT PLUS

Polishing with
VITA Polish Cera
polishing paste

Individualization
with VITA VM 11

► **more information:** chapter **Components/Accessories**

VITA IMPLANT SOLUTIONS

Solutions for implant-supported restorations.

VITABLOCS®

VITA ENAMIC®

VITA SUPRINITY® PC

VITA IMPLANT SOLUTIONS

VITA CAD-Temp®

VITA CAD-Waxx

VITA YZ® SOLUTIONS

Components/ accessories

❯ 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?
- solution for permanent and temporary implant-supported restorations

❯ **more information**: VITA IMPLANT SOLUTIONS Concept Brochure 10149

more product data ›

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)

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*) These are recommended indications. For details, please refer to the respective instructions for use of the products.

VITABLOCS®

VITA ENAMIC®

VITA SUPRINITY® PC

VITA IMPLANT SOLUTIONS

VITA CAD-Temp®

VITA CAD-Waxx

VITA YZ® SOLUTIONS

Components/ accessories

› 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)
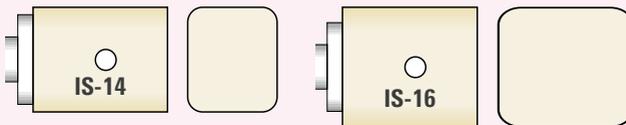
IS-14

IS-16

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 five VITA ENAMIC IS hybrid ceramic blanks
- Pack of five VITA CAD-Temp IS blanks

› AVAILABLE SYSTEM COMPONENTS

Bonding with
VITA ADIVA IA-CEM

TiBase/TiBase-compatible
implant systems

Characterization
with VITA AKZENT LC

VITA ENAMIC polishing
instruments

Individualization
with VITA VM LC *flow*

Polishing with
VITA Polish Hybrid
polishing paste

▶ **more information:** chapter **Components/Accessories**

VITA CAD-TEMP®
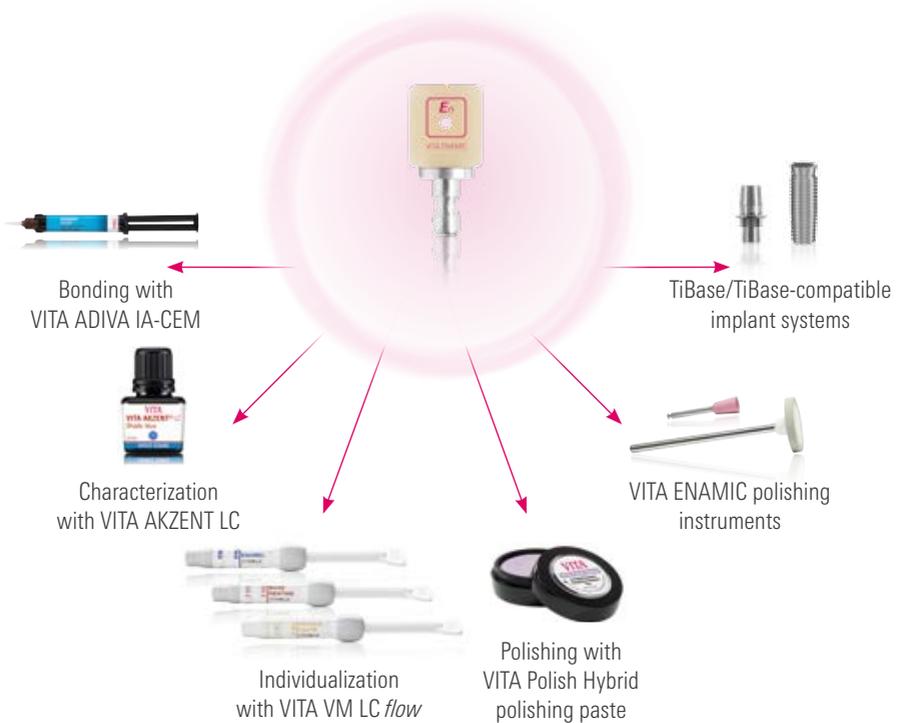
Solutions for long-term temporary restorations.

VITABLOCS®

VITA ENAMIC®

VITA SUPRINITY® PC

VITA IMPLANT SOLUTIONS

VITA CAD-Temp®

VITA CAD-Waxx

VITA YZ® SOLUTIONS

Components/ accessories

› 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 three years)
- **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)

VITA CAD-TEMP®

› 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 line (imes-icore GmbH), DGSHAPE DWX line (DGSHAPE
Corporation), DMG ULTRASONIC series (DMG Mori AG), CS 3000/
CS 3100 (Carestream Dental, Inc.), Röders RXD line (Röders GmbH),
inLab MC X5 (Dentsply Sirona), N/R/S/Z/E lines (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; 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.

VITABLOCS®

VITA ENAMIC®

VITA SUPRINITY® PC

VITA IMPLANT SOLUTIONS

VITA CAD-Temp®

VITA CAD-Waxx

VITA YZ® SOLUTIONS

Components/ accessories

› AVAILABLE SHADES

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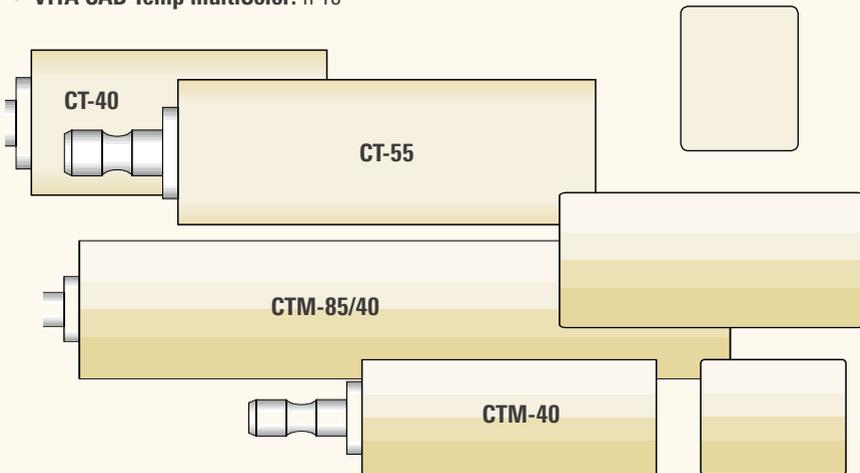 VITA SYSTEM 3D-MASTER: 1M2T, 2M2T, 3M2T

› AVAILABLE GEOMETRIES (geometries in mm)

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

CT-40

CT-55

CTM-85/40

CTM-40

Blocks:
- **VITA CAD-Temp monoColor block 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 one, two or 10 blank(s)
- Pack of one VITA CAD-Temp Disc blank

> AVAILABLE SYSTEM COMPONENTS
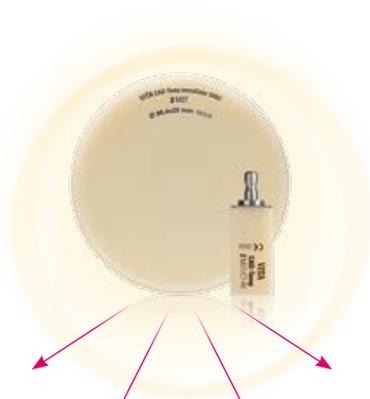
Bonding with
VITA ADIVA LUTING
SOLUTIONS

Polishing with
VITA Polish Hybrid
polishing paste

Characterization
with VITA AKZENT LC

Individualization
with VITA VM LC *flow*

▶ **more information:** chapter **Components/Accessories**

VITA CAD-WAXX

Solutions for wax-ups and drilling templates

VITABLOCS®

VITA ENAMIC®

VITA SUPRINITY® PC

VITA IMPLANT SOLUTIONS

VITA CAD-Temp®

VITA CAD-Waxx

VITA YZ® SOLUTIONS

Components/ accessories

> ## FACTS & 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

VITA CAD-WAXX

› 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-Waxx**
  blanks are transparent

⟩ AVAILABLE GEOMETRIES (geometries in mm)
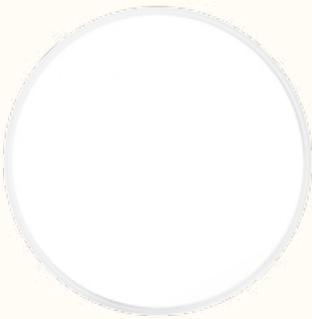
Discs (Ø 98.4 mm):
- **VITA CAD-Waxx:** h 20
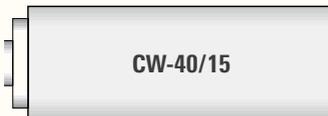
CW-40/15

Blocks:
- **VITA CAD-Waxx: CW-40/15:** 14 x 15 x 40

VITABLOCS®

VITA ENAMIC®

VITA SUPRINITY® PC

VITA IMPLANT SOLUTIONS

VITA CAD-Temp®

VITA CAD-Waxx

VITA YZ® SOLUTIONS

Components/ accessories

› AVAILABLE INDIVIDUAL PRODUCTS/ASSORTMENTS

VITA CAD-Waxx

- Pack of VITA CAD-Waxx containing two or 10 blanks
- Pack of one VITA CAD-Waxx Disc blank

▶ **more information:** chapter **Components/Accessories**

VITA YZ® SOLUTIONS

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

› FACTS & FEATURES

What?
- Coordinated material system made from ZrO_2 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

▶ **more information**: VITA IMPLANT Solutions Concept Brochure 10447   more product data ›

VITA YZ® SOLUTIONS

› 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 line (imes-icore GmbH), DMG ULTRASONIC series (DMG Mori AG), Röders RXD line (Röders GmbH), N/R/S/Z/E lines (vhf camfacture AG), inLab MC X5 (Dentsply Sirona), Ceramill mikro/Motion/Matik/DRS lines (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).

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*)   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

VITABLOCS®

VITA ENAMIC®

VITA SUPRINITY® PC

VITA IMPLANT SOLUTIONS

VITA CAD-Temp®

VITA CAD-Waxx

VITA YZ® SOLUTIONS

Components/ accessories

⟩ 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}**: A1, A2, A3, A3.5, A4, B1, B2, B3, B4, C1, C2, C3, C4, D2, D3, D4, 0M1, 1M1, 2M1, 3M1, 4M1

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

**) Only available in disc geometry

⟩ AVAILABLE GEOMETRIES (geometries in mm)

12 mm > 14 mm > 16 mm > 18 mm > 20 mm > 22 mm > 25 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

VITA YZ-20/19   VITA YZ-40/19   VITA YZ-55

VITA YZ-65/25   YZ-55/19

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}

› AVAILABLE INDIVIDUAL PRODUCTS/ASSORTMENTS
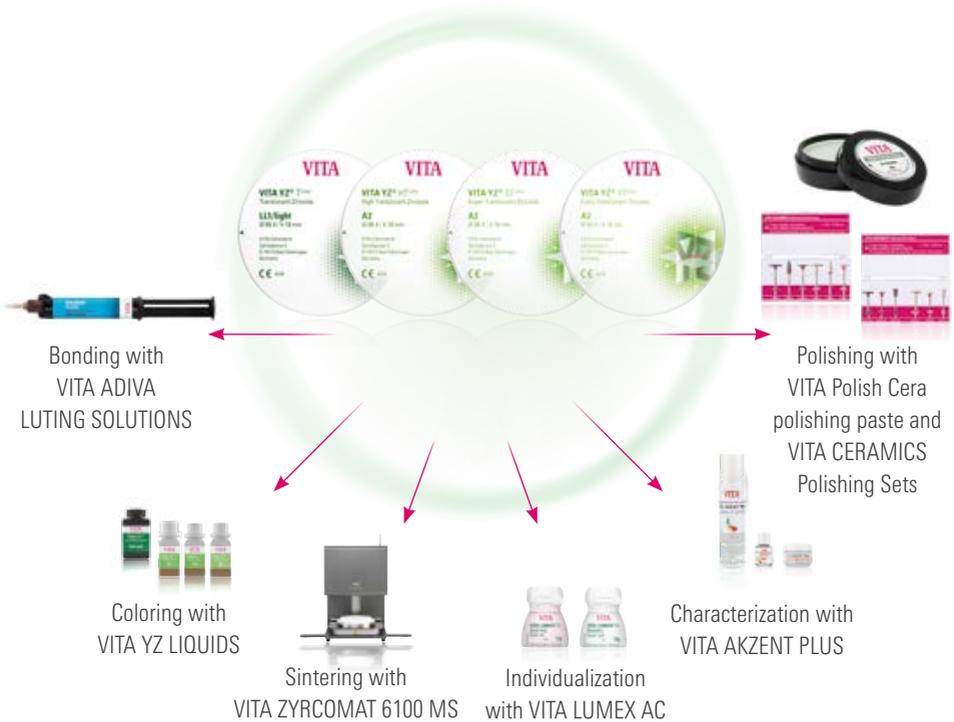
VITA YZ T/HT
- Pack of one, two or four VITA YZ T/HT blank(s)
- Pack of one VITA YZ T/HT Disc blank

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

› AVAILABLE SYSTEM COMPONENTS

Bonding with
VITA ADIVA
LUTING SOLUTIONS

Polishing with
VITA Polish Cera
polishing paste and
VITA CERAMICS
Polishing Sets

Coloring with
VITA YZ LIQUIDS

Sintering with
VITA ZYRCOMAT 6100 MS

Individualization
with VITA LUMEX AC

Characterization with
VITA AKZENT PLUS

VITABLOCS®

VITA ENAMIC®

VITA SUPRINITY® PC

VITA IMPLANT SOLUTIONS

VITA CAD-Temp®

VITA CAD-Waxx

VITA YZ® SOLUTIONS

Components/ accessories

⟩ System components/accessories
Proven solutions during processing

Shade determination

CAD/CAM fabrication

Shade modification*

Firing*

Polishing

Bonding

- For digital shade determination, use **VITA Easyshade LITE** or **VITA Easyshade V** and for visual shade determination, the **VITA Linearguide 3D-MASTER** or **VITA classical A1–D4**, for example.
- For CAD/CAM fabrication, VITA offers you **highly-esthetic feldspar ceramic, high-strength glass ceramic, innovative hybrid ceramic and zirconia**, as well as the zirconia-reinforced lithium disilicate ceramic **VITA AMBRIA** as a press ceramic – simply select the best material solution for your individual requirements.
- For feldspar, glass ceramics and zirconia, use **VITA AKZENT PLUS** stains and the **VITA LUMEX AC** or **VITA VM 11** veneering ceramics. In terms of metal ceramics, you can choose between **VITA VM 13** and **VITA VMK MASTER**, and for individualization of the **VITA ENAMIC** hybrid ceramic, either **VITA AKZENT LC** stains or **VITA VM LC** veneering resin.
- Glaze, stains and/or dentine and crystallization firing are best carried out with the **VITA VACUMAT 6000 M** premium firing unit, and in clinics with the **VITA SMART.FIRE** premium firing unit specially tailored to chairside restorations.
- You can use the **VITA VACUMAT 6000 MP** combipress unit to fire and press your press ceramics.
- 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 Polish Cera).**
- For VITA ceramics and hybrid ceramics, the **VITA CERAMICS/VITA ENAMIC Polishing Sets** should ideally be used.
- **VITA ADIVA LUTING SOLUTIONS** are products for adhesive bonding of restorations made of feldspar, glass ceramic and hybrid ceramic, and are matched to VITA materials.

*) 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.

more product data ⟩

› **System components**

› **VITABLOCS®** system components

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

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

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

VITA LUMEX AC
Veneer all common substructure ceramics (+titanium) with the
highly esthetic veneering ceramic **VITA LUMEX** AC.

› **VITA ENAMIC®** system components

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

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

VITA AKZENT LC
Light-curing stains 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 CERAMICS Polishing Set clinical/technical
Two-stage polishing system with a total number of six pre- and
high-gloss polishers each for the contra angle or the handpiece.

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

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 LUMEX AC
Veneering material for individualizing VITA YZ substructures.

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

VITA ENAMIC®

VITA SUPRINITY® PC

VITA IMPLANT SOLUTIONS

VITA CAD-Temp®

VITA CAD-Waxx

VITA YZ® SOLUTIONS

Components/ accessories

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› 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.

› 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 cement for bonding crowns on titanium bases, individual titanium abutments and discolored tooth stumps.

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 agent for restorations made of feldspar, glass and hybrid ceramic (C-PRIME), zirconia (ZR-PRIME) and metals, as well as alloys (M-PRIME).

VITA CAD/CAM MATERIALS – Bonding recommendations

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

● Recommended   O Possible   X 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)

■ Zirconia [3]

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)

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 Al_2O_3 (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).

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 (0) 7761 / 56 28 84
Fax +49 (0) 7761 / 56 22 99
8 a.m. to 5 p.m.

Our Internal Sales Department team will be glad
to assist you with orders or questions about
delivery, product data and marketing materials.

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

Technical Hotline
Tel. +49 (0) 7761 / 56 22 22
Fax +49 (0) 7761 / 56 24 46
8.00 a.m. to 5 p.m.

If you have technical questions concerning
the VITA CAD/CAM product solutions,
you can contact the Technical Service.

> Additional international contact information can be found at
www.vita-zahnfabrik.com/contacts

VITABLOCS®

VITA ENAMIC®

VITA SUPRINITY® PC

VITA IMPLANT SOLUTIONS

VITA CAD-Temp®

VITA CAD-Waxx

VITA YZ® SOLUTIONS

Components/ accessories

More information about **VITA CAD/CAM** MATERIALS is available at:
www.vita-zahnfabrik.com / cadcam

VITA SYSTEM   3D-MASTER

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

C E 0124:

VITABLOCS®, **VITA ENAMIC®**, **VITA SUPRINITY® PC**, **VITA LUMEX®** AC, VITA**VM®11**, VITA**VM®LC** *flow*, **VITA AKZENT®** PLUS, **VITA AKZENT®** LC, VITA CAD-Temp®, **VITA YZ®** T, **VITA YZ®** HT, **VITA YZ®** ST, **VITA YZ®** XT, **VITA YZ®** T COLORING LIQUID

Zirkonzahn Srl. has been certified in accordance with the Medical Device Directive and the following product bears the CE mark

C E 0476:

VITA YZ® HT SHADE LIQUID, **VITA YZ®** ST SHADE LIQUID,
VITA YZ® XT SHADE LIQUID

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

C E 0483:

VITA CERAMICS Polishing Set clinical

Harvard Dental International GmbH has been certified in accordance with the Medical Device Directive and the following products bear the CE mark

C E 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, **VITA ADIVA®** OXY-PREVENT

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VITA