

VITA CAD-Waxx

Working Instructions



VITA shade determination

VITA shade communication

VITA shade reproduction

VITA shade control

Date of issue: 06.16

VITA shade, VITA made.

VITA

Acrylate polymer for casting or pressing that
burns out without leaving any residue






The material and its benefits

VITA CAD-Waxx, an acrylate polymer that burns out without leaving any residue, is used for computer-aided fabrication of waxups for pressing or casting, the fabrication of drilling templates for implant restorations and the CAD/CAM fabrication of provisional models for fit verification.

The material is characterized by the following properties and benefits:

- Can be ground or milled, depending on the CAM system
- High torsional resistance and dimensional accuracy in comparison with modeling wax, even in the case of large-span restorations
- Optimum wall and connector strengths can be defined for VMK frameworks, requiring only a minimum amount of reworking.
- If there are problems with the cast, remodeling is not required; only the milling or grinding process must be repeated
- The fabricated molds can be combined with casting wax or with the finished parts familiar from casting procedures
- Allows try-in of molds in situ
- Easy verification of the fit thanks to transparent appearance
- Burns out without leaving any residue
- CAD-Waxx is a class I medical product approved for try-in in the patient's mouth.

Indication

Indication	 VMK crown framework	 VMK bridge framework	 Full-cast crown	 Full-cast bridge	 Press-to technique
VITA CAD-Waxx	●	●	●	●	●

● recommended

Contraindication:

VITA CAD-Waxx is not suitable for the fabrication of temporaries and may not be cemented in the mouth either on a temporary or on a permanent basis.

Application: modeling wax replacement

- VITA CAD-Waxx is used for grinding / milling embeddable casting models for the fabrication of primary crowns in telescope procedures
- Fabrication of crowns and bridge frameworks for use in VMK procedures
- Fabrication of crowns and bridges in full-cast procedures
- Grinding / milling of embeddable press-ceramic restorations
- Fabrication of fully anatomical restorations, for example, using VITA PM 9
- Fabrication of secondary structures for press-over constructions, such as crowns and bridges supported by zirconia, for example, using VITA PM 9

Application: try-in for model verification

- Verification of the accuracy of the model in terms of its fit in the patient's mouth before the restoration is ground / milled from the final material.
- The mold / framework must be cleaned using ethanol prior to try-in in the patient's mouth.

Simple processing – step by step

⚠ Important note:

When processing VITA CAD-Waxx using a CAM system, please observe the relevant manufacturer's instructions.



When grinding / milling molds (secondary structures) for use in press-to constructions (crowns and bridges supported by zirconia), a minimum layer thickness of von 0.7 mm must be observed in order to achieve the perfect press result.



Once the grinding / milling process has been completed (CAM), remove the lugs using a fine cross-cut carbide milling tool (red ring).



Ground / milled mold on the working model.



The thickly milled margins are reduced using a cross-cut carbide milling tool (red ring).
In the case of fully anatomical molds, the occlusion must be verified.



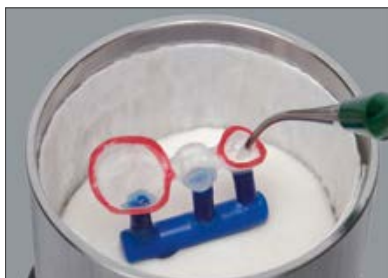
If required, the margins of the mold can be optimized using casting wax.



On the working model, the mold is optimized using casting wax.



As is customary in casting / press procedures, the mold is fitted with wax sprues and waxed onto the funnel former. When doing so, the instructions provided by the alloy manufacturer and press-ceramic manufacturer must be observed.

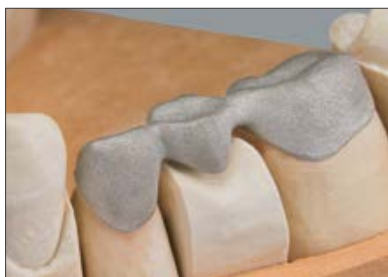


Invest the casting model in accordance with the instructions of the investment material manufacturer and place in the preheating furnace.

⚠ Important:

Specific weight of VITA CAD-Waxx: 1.18 g / cm³

The quantity of alloy in g that is required for the restoration is calculated by multiplying the density of the alloy by the weight of the ground / milled VITA CAD-Waxx mold in g, divided by a factor of 1.18.



Cast bridge framework comprised of a dental alloy and prepared for veneering.

Recommended tools and materials

- Fine and coarse cross-cut carbide milling tools
- Standard commercially-available modeling waxes
- For use in casting: standard commercially-available investment materials
- For use with press ceramics: VITA PM investment materials



**VITA CAD-Waxx for inLab®
Standard pack**

Prod. No.
EC4CW402

Dimensions: 14 x 15 x 40 mm
Designation: CW-40/15

Pack cont. 2 pieces



**VITA CAD-Waxx for inLab®
Large pack**

Prod. No.
EC4CW4010

Dimensions: 14 x 15 x 40 mm
Designation: CW-40/15

Pack cont. 10 pieces



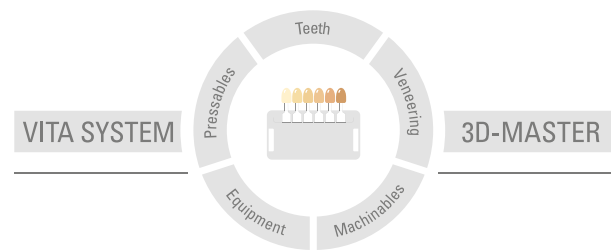
VITA CAD-Waxx DISC

Prod. No.
ECCWD98201

Dimensions: Ø 98.4 x 20 mm
(with circumferential groove)
Designation: CT-DISC

Pack cont. 1 piece

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



Please note: Our products must be used in accordance with 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. Furthermore, our liability for the accuracy of this information is independent of the legal basis and, in as far as legally permissible, shall always be limited to the value as invoiced of the goods supplied, excluding value-added tax. In particular, as far as legally permissible, we do not assume any liability for loss of earnings, indirect damages, ensuing damages or for third-party claims against the purchaser. Claims for damages based on fault liability (culpa in contrahendo, breach of contract, unlawful acts, etc.) can only be made in the case of intent or gross negligence. The VITA Modulbox is not necessarily a component of the product.

Date of issue of this information: 06.16

After the publication of these information for use any previous versions become obsolete. The current version can be found at www.vita-zahnfabrik.com

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

VITA CAD-Waxx

VITA

VITA Zahnfabrik H. Rauter GmbH & Co.KG
Spitalgasse 3 · D-79713 Bad Säckingen · Germany
Tel. +49 (0) 7761 / 562-0 · Fax +49 (0) 7761 / 562-299
Hotline: Tel. +49 (0) 7761 / 562-222 · Fax +49 (0) 7761 / 562-446
www.vita-zahnfabrik.com · info@vita-zahnfabrik.com
 facebook.com/vita.zahnfabrik