VITA CAD-Waxx for inLab®

Working Instructions

VITA shade taking | VITA shade communication | VITA shade reproduction | VITA shade control

Date of issue: 10.10

VITA SYSTEM 3D-MASTER

Teeth | Veneering Materials | All-Ceramics | Equipment | Service

VITA

Acrylate polymer blocks
which burn out without any residue
for the casting and pressing techniques

The material and its advantages

VITA CAD-Waxx blocks can be used instead of modelling wax and consist of a filler-free acrylate polymer. They provide the following characteristics and advantages:

- High torsional resistance and dimensional accuracy even for large-span restorations compared to modelling wax
- Optimal thickness of walls and connectors for metal frameworks
- No new model required for faulty castings; only the grinding process must be repeated
- Ground mouldings can be combined with casting wax or prefabricated patterns used in the casting technique
- Ground mouldings can be tried in situ
- Transparent color allows simple check of fit
- Can be ground with the diamond instruments of the inLab system of Sirona
- Burns out without residue
- Process optimization in the laboratory

Indication

	Primary crown	Crown framework	Crown framework	Cast crown	Cast crown	Bridge framework	Bridge framework	Cast bridge	Overpressing technique	Overpressing technique
VITA CAD-Waxx for inLab	●	●	●	●	●	●	●	●	●	●

● recommended

Contraindication

- VITA CAD-Waxx is not suitable for the fabrication of temporaries and must not be used for temporary or definitive restorations in situ.

Application - As a substitute for modelling wax

- VITA CAD-Waxx is used for milling casting models suitable for investing using the inLab system from Sirona Dental Systems for the:
  – fabrication of primary crowns for telescopic restorations
  – fabrication of crown and bridge metal frameworks
  – fabrication of crowns and bridges for full cast restorations
  – press ceramic restorations suitable for investing
  – fabrication of secondary structures in the overpressing technique such as zirconium oxide-supported crowns and bridges

If used for try-in to check structures:

- Possibility of checking the fit of the structure in the mouth before fabricating the restoration using the final material.
- Prior to fitting the mould/framework in situ, it must be cleaned with alcohol.

Simple processing – step by step

⚠ **Important information:** The CAD-Waxx polymer starter kit from Sirona is required for processing VITA CAD-Waxx. This set (Prod. No. 6094713) can be purchased from selected dental dealers and includes a modified tank with a reinforced filter system. Ground polymer particles may cause clogging of the cooling and lubrication circulation system if the standard tank with the original filter system is used.

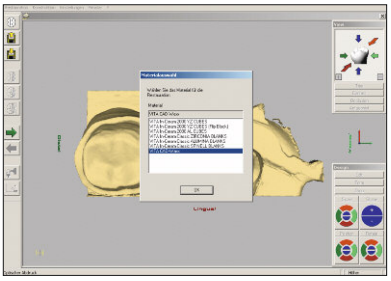
VITA CAD-Waxx can be milled with the Sirona inLab 3D software ≥ V 2.7.

When filling the tank, compared to ceramic, a reduced quantity of 5 ml (CEREC and inLab) or 10 ml (CEREC and inLab MC XL) of DENTATEC liquid may be used.

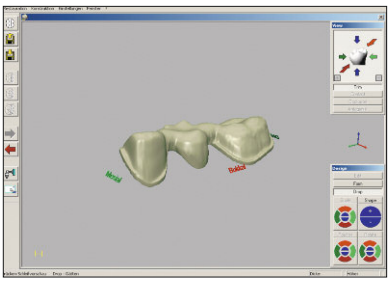
Place the model made from plaster suitable for scanning on the scan holder of the inEos system and carry out the scan process.*

* To ensure perfect and economic processing, we recommend using the inEos system. The extremely short scanning times between 10 sec (single tooth scan) and 30 sec (bridges with 3-4 units) guarantee faster and trouble-free workflow. Additionally, the fabrication of a duplicate model is no longer required.

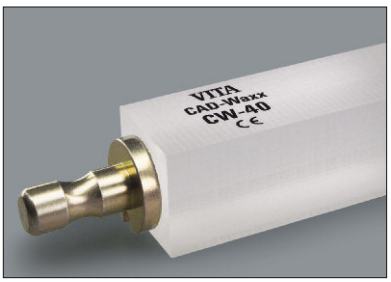
Optical impression.



Click VITA CAD-Waxx in the material selection menu.



Designing (CAD) the moulding using the inLab 3D software.

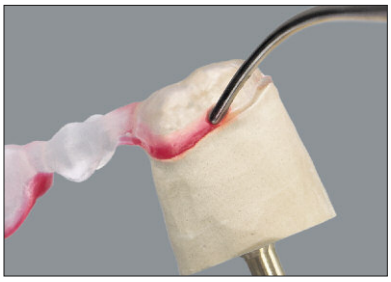


Clamp in and mill VITA CAD-Waxx block CW-40.
The inLab 3D software automatically calculates the minimum layer thicknesses and connector surfaces required to obtain a reliable result for the final restoration.
When milling moulds (secondary structures) in the overpressing technique (zirconium-supported crowns and bridges), a minimum layer thickness of 0.7 mm is required to achieve a perfect pressing result.

After milling (CAM) the lug is cut off using a fine cross-cut tungsten carbide bur.

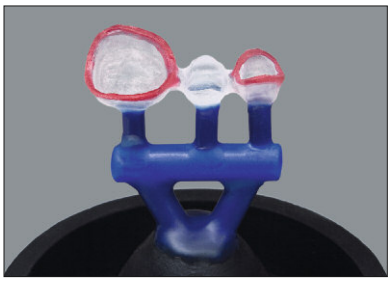
Ground moulding on the working model.

The more thickly milled edges are reduced using a cross-cut tungsten carbide bur.
When processing fully anatomical mouldings, the occlusion must be checked.

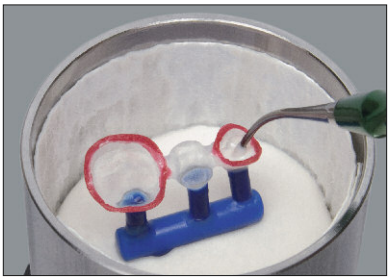


If desired, the ground edges of the moulding can be optimized using casting wax.

Moulding on the working model after optimization with casting wax.



Just like in the casting or press technique, wax sprues are attached to the moulding and waxed on the sprue former. The instructions of the alloy manufacturers or press ceramic manufacturers must be observed.



Invest the casting in accordance with the instructions of the investment material manufacturers and place it into the preheating furnace.

⚠ Important information:
Specific weight of VITA CAD-Waxx: 1.18 g/cm³
The alloy quantity required for the restoration is calculated by multiplying the density of the alloy with the weight of the milled CAD-Waxx mould (in g), divided by the factor 1.18.

Cast bridge framework made from a dental alloy ready for veneering.

Recommended tools and materials

- Fine and coarse cross-cut tungsten carbide burs
- Customary modelling waxes
- For the casting technique: commercially available investment materials
- For the press ceramic technique: VITA PM investment material

VITA CAD-Waxx for inLab®
Standard package

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

Package cont. 2 pieces

Prod. No.
ECCW402
EC4CW402 *

VITA CAD-Waxx for inLab®
Large package

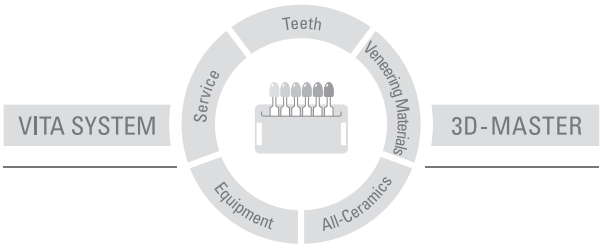
Dimensions: 14 x 15 x 40 mm
Designation: CW-40

Package cont. 10 pieces

Prod. No.
ECCW4010
EC4CW4010 *

* for inLab MC XL

With the unique VITA SYSTEM 3D-MASTER all natural tooth shades are systematically determined and completely reproduced.



Please note: Our products should be used according to the working instructions. We cannot be held liable for damages resulting from incorrect handling or usage. The user is furthermore obliged to check the product before use with regard to its suitability for the intended area of applications. We cannot accept any liability if the product is used in conjunction with porcelains and equipment from other manufacturers which are not compatible or not authorized for use with our product. Furthermore, our liability for the correctness of this information is independent of the legal ground and, in as far as legally permissible, is limited to the invoiced value of the goods supplied excluding turnover tax. In particular, as far as legally permissible, we do not assume any liability for profit loss, for indirect damages, for consequential damages or for claims of third parties against the purchaser. Claims for damages based on fault liability (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 these working instructions: 10.10

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

VITA Zahnfabrik has been certified according to the Medical Device Directive and the following product bears the mark CE:

VITA CAD-Waxx for inLab®

US 5498157 A · AU 659964 B2 · EP 0591958 B1

VITA

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