Efficient CAD/CAM prosthetic for greater productivity!

VITA shade determination  VITA shade communication  VITA shade reproduction  VITA shade control

Date of issue: 10.18

VITA – perfect match.
CONCEPT AND BENEFITS

VITA VIONIC® SOLUTIONS is a material system for every process step of CAD/CAM denture production. VITA VIONIC allows for time-saving, digital production of dentures on an individual patient basis.
• VITA VIONIC is a coordinated material system for process-reliable CAD/CAM denture manufacturing at the touch of a button

• For the simple, digital reconstruction of patient-specific function, according to various prosthetic concepts, and taking the Angle bite classes into account

The VITA VIONIC material system includes:
• Wax discs for the fabrication of wax setups
• PMMA discs for the fabrication of final denture bases
• Tooth frame solutions for CAM tooth modification
• Bonding solution for fixing prosthetic teeth in the base
1. SCAN/CAD DESIGN
2. CAM WAX BASE
3. CAM DENTURE TEETH
4. WAX SETUP
5. CAM DENTURE BASE
6. BONDING

TIME SAVINGS OF 79%
THE ADVANTAGES

Patient-specific design at the touch of a button

At the touch of a button
- Patient-specific denture design at the touch of a button

Simple finishing
- Simple production of prostheses, thanks to the easy-to-use bonding system

Process secure
- Process-secure denture manufacture, thanks to the coordinated material system
Simple finishing thanks to the easy-to-use bonding system

Process-secure fabrication through the coordinated material system
OVERVIEW OF ALL SOLUTIONS

1. SCAN/CAD DESIGN
2. CAM WAX BASE
3. CAM DENTURE TEETH

START
WAX SETUP

CAM DENTURE BASE

BONDING

FINISHED
• CAD software with VITA-specific, coordinated design options

Simple, patient-specific reconstruction of the function ...
• by using the setup concepts: buccal, lingual, crossbite and according to Prof. Dr. A. Gerber
• through the incorporation of all Angle bite classes
• through the integrated occlusal positions (normal/cross bite)

• for the digital, patient-specific denture setup at the touch of a button
CAM WAX BASE WITH VITA VIONIC® WAX

What?

Benefits

• Wax discs for the fabrication of wax setups

• precise wax setup
  thanks to precisely milled moulds, based on the digital construction

• easy opportunity for correction
  since the wax setup can be modified during the try-in

• comfortable wax try-in
  thanks to fabrication of complete CAD/CAM denture out of white wax

What for?

• for the wax setup and try-in
CAM DENTURE TEETH WITH VITA VIONIC® FRAME

What?
- VITAPAN EXCELL DD FRAME tooth frame (anterior)
- VITAPAN LINGOFORM DD FRAME tooth frame (posterior)

Benefits
- **efficient full denture fabrication**
  through basal tooth modification at the push of a button, based on the CAD denture design
- **simple, digital reconstruction of function**
  individually, according to various concepts, and taking the Angle bite classes into account
- **process-secure, fully digital CAD/CAM fabrication**
  through a coordinated bonding solution to fix denture teeth

What for?
- for the fully digital fabrication of dentures using the VITA VIONIC system solution
**CAM DENTURE BASE VITA VIONIC® BASE**

**What?**
- PMMA disc for the fabrication of final denture bases

**Benefits**
- **efficient base fabrication** thanks to CAD/CAM processing without manual flanking and molding
- **easily reproduced** the system enables the reproduction of the base with the click of a mouse
- **excellent fit to the alveolar ridge** due to CAD/CAM technical fabrication of the base without a polymerization step

**What for?**
- for the CAD/CAM fabrication of the denture base
BONDING WITH VITA VIONIC® BOND

What?

• Bonding solution for fixing denture teeth in VITA VIONIC BASE

Benefits

• **efficient adhesive bonding of the denture teeth**
  without complex hot / cold polymerization processes
• **precise, seamless fixation of the teeth in the cavity**
  using a low-viscosity, self-curing bonding system
• **secure bond of denture teeth to the base**
  thanks to bonding solution tailored to the material

What for?

• for the final bonding of VITA teeth in a milled denture base
VITA VIONIC*: THE SYSTEM SOLUTION FOR THE IDEAL PRODUCTIVITY

In comparison to manual production, a time savings of up to 79% can be achieved with CAD/CAM denture fabrication (set of 28) with VITA VIONIC SOLUTIONS.

Source: Internal study by VITA product management, times given based on the calculated average values of the effective time required by the dental technician, report: 12/2016, ([1], see reverse of brochure)

**Time saved?**

- In comparison to manual production, a time savings of up to 79% can be achieved with CAD/CAM denture fabrication (set of 28) with VITA VIONIC SOLUTIONS.
SYSTEM COMPATIBILITY

CAD/CAM technology partner for VITA VIONIC®

- **Company:** Amann Girrbach AG
- **CAD software:** Ceramill D-flow software module
- **CAM hardware:** Ceramill motion 2 (5X) incl. Coolstream
- **Scanner:** Ceramill Map 300/400

VITA VIONIC FRAME, VITA VIONIC WAX and VITA VIONIC BASE are available for*:
- Ceramill Motion 2 (Amann Girrbach AG)

*) Validated VITA system partner for the processing of VITA VIONIC FRAME and VITA VIONIC BASE
VITA VIONIC® SOLUTIONS is a system made up of coordinated components for efficient CAD/CAM denture production. You can find an overview of all solutions here.
SYSTEM AND COMPONENTS

CONCEPT AND BENEFITS
## COMPONENTS AND APPLICATION FORMS

### VITA VIONIC WAX
- Dimensionally-stable, temperature-resistant synthetic-wax blanks.
- **Shades/presentation Material**
  - Pink
  - White
- **Geometries**
  - Ø 98.4 mm / h 30 mm

### VITA VIONIC FRAME
- VITA denture teeth in tooth frame
  - VITAPAN EXCELL DD FRAME (anterior)
  - VITAPAN LINGOFORM DD FRAME (posterior)
- **VITA classical A1 – D4® shades**
  - A1
  - A2
  - A3
  - A3.5
  - B3
  - D3
- **Geometries**
  - 9 x upper anteriors tooth moulds
  - 4 x upper anteriors tooth moulds
  - 4 x upper posteriors tooth moulds
  - 4 x lower posteriors tooth moulds
VITA VIONIC BASE

Highly networked, industrially polymerized, monomer-free PMMA blanks.

- Light-pink
- Orange-pink
- Deep-pink

- Ø 98.4 mm / h 26 mm
- Ø 98.4 mm / h 30 mm

VITA VIONIC BOND

MMA-based self-curing, two-component bonding system.

- VITA VIONIC BOND I, jar, 2 ml
- VITA VIONIC BOND II, vial, 1 ml
- Microbrush, 3 pcs.
**OVERVIEW OF SHAPES**

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• Benefit from the VITA-specific, coordinated selection of occlusal concepts during CAD design of the denture.

• For the fabrication of the wax setup, use the synthetic wax blanks VITA VIONIC WAX.

• For the CAM modification of VITAPAN denture teeth, use the DD FRAME solution.

• For the wax setup, position the VITAPAN denture teeth in the wax base or make a fully formatted CAD/CAM wax setup.

• To fabricate final denture bases, use the PMMA blanks VITA VIONIC BASE.

• For the final bonding of VITA teeth in the denture base, use the bonding system VITA VIONIC BOND.
WE ARE HAPPY TO HELP

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

Hotline Sales Support
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 materials.

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Technical Hotline
If you have technical questions concerning VITA PROSTHETIC SOLUTIONS, you can contact our technical specialists Mr. Ralf Mehlin or Mr. Daniel Schneider.

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VITA PROSTHETIC SOLUTIONS –
For ideal dental prosthetics: natural, reliable, rich in variation.

Vivid play of shape and shade for natural results.

Ideal variety of shades and moulds for all cases.

Solid, standard dentures with excellent cost efficiency.

Efficient CAD/CAM dentures for greater productivity.

Increasing productivity with digital technology
The VITA DIGITAL PROSTHETIC unifies innovation, efficiency and precision with custom-fit, coordinated material and CAD/CAM system solutions for full dentures.
More information about VITA VIONIC SOLUTIONS is available at www.vita-zahnfabrik.com/prosthetics

References

1. Internal study:
VITA product management:
VITA Zahnfabrik H. Rauter GmbH & Co. KG
Sales Division
Spitalgasse 3, 79713 Bad Säckingen, Germany
Claus Pukropp, Head of Technical Marketing, Bad Säckingen
Report: 12/2016

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

VITAPAN EXCELL® DD FRAME, VITAPAN® LINGOFORM DD FRAME,
VITA VIONIC® BOND

The company GDF Gesellschaft für dentale Forschung und Innovationen GmbH has been certified in accordance with the Medical Device Directive and the following product bears the mark

VITA VIONIC® BASE

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

VITA VIONIC® WAX

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