VITA VIONIC VIGO®
The new tooth generation for digital denture fabrication at the touch of a button

Highly productive, process-reliable

done!

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

Date of issue: 01.20

VITA – perfect match.
CONCEPT AND BENEFITS

**VITA VIONIC** VIGO® is a new generation of teeth with a tooth design perfected for the digital fabrication of dentures. Discover the many advantages in the following pages.
VITA VIONIC VIGO: the denture tooth for high productivity and a natural appearance!
NEW GENERATION OF TEETH FOR A DIGITAL WORKFLOW

What?
• VITA VIONIC VIGO is a completely new generation of teeth made of SE polymer with a design perfected for the digital fabrication of dentures
• This new generation can be fixed precisely and reliably in the denture base without any reworking, enabling an efficient completion

What for?
• For highly efficient digital fabrication of full dentures with all common open CAM and 3D printing systems

With what?
The VITA VIONIC SOLUTIONS portfolio includes:
• Eight upper anterior tooth moulds, four lower anterior tooth moulds, four upper and lower posterior tooth moulds each, one bonding system, and material blanks for wax try-ins and plastic bases
VITA VIONIC® SOLUTIONS

- Allows the highly efficient fabrication of full dentures with digital fabrication systems (milling and 3D printing technology) in only five steps

- Offers an integrated material system with digital denture tooth and bonding solutions, as well as try-in/base materials for process-reliable fabrication

*) For the fabrication of the (wax) try-in and the denture base, milling and 3D printing methods from VITA technology partners can be used.
VITA VIONIC SOLUTIONS: highly efficient fabrication in only five steps!
THE ADVANTAGES

Increase productivity
- Economical fabrication without any manual/CAM reworking, thanks to a tooth design perfected for a digital workflow

Completion in a time-saving manner
- Time-saving finalization of the denture via adhesive bonding of the cervically sandblasted teeth in the base, without further auxiliary steps

Natural appearance at the push of a button
- Efficient reproduction of nature by means of prefabricated teeth with a vivid play of shape and color, as well as directly accessible digital denture setups

Process-reliable fabrication
- Reliable, digital fabrication using a coordinated material system, including a unique bonding solution for precise fixation of teeth
High productivity

Natural

Process-reliable

Dentures per day

+ 286 %
PERFECTED TOOTH DESIGN FOR MORE PRODUCTIVITY

- Ensures efficient, digital processability, thanks to reduced tooth dimension, sandblasted tooth neck and undercut-free basal design

- Enables correct positioning and precise, adhesive bonding in the cavities of the base, thanks to a conical-oval tooth neck shape with integrated rotation protection
**VITA VIONIC VIGO:**

tooth design perfected for the digital workflow.
NATURAL VIVIDNESS IN SHAPE AND PLAY OF COLORS

VITA VIONIC VIGO:
convincing with a lively play of shape and color.

VITA VIONIC VIGO®

- Allows a detailed reproduction of tooth shape and papilla through a lively physical shape with pronounced palatal ridges

- Offers good light dynamics with excellent translucency, opalescence and fluorescence, thanks to natural 3D layer structure and color pigmentation

- Shows a particularly natural play of light, thanks to its multi-faceted surface texture
Multi-faceted texture
Vivid shape
Excellent translucency
Opalescent play of colors
Pronounced palatal ridges
Natural fluorescence

DYNAMIC LIGHTING FEATURES
SHAPE AND TEXTURE FEATURES
SYSTEM AND COMPONENTS FACTS AND FEATURES CONCEPT AND BENEFITS
VITA VIONIC VIGO®

- Enables automatic interdigitation for reproducible contact relationships, thanks to predefined contact points
- Offers guided centric finding, thanks to a function-optimized Easy-Centric design
MAXIMUM RANGE OF INDICATIONS AT THE PUSH OF A BUTTON

- Realize complex cases with preferred concepts at the touch of a button, thanks to ideal digital denture setups
- Unlimited, patient-specific design options, thanks to VITA libraries with the largest variety of setup concepts, including bite class/position

VITA VIONIC VIGO®

- Occlusal concepts
- Skeletal class
- Occlusal position
- Normal bite
- Cross bite
- Bite class I
- Bite class II/1
- Bite class II/2
- Bite class III
- Buccal
- Lingual
- Prof. Dr. A. Gerber

START
FACTS AND FEATURES

**VITA VIONIC® SOLUTIONS** enable highly productive and efficient digital fabrication of dentures, thanks to a new-generation denture tooth and a unique bonding solution. Learn more now.
High productivity
VITA VIONIC® SOLUTIONS

- Enables an increase in productivity of 286%, compared to first generation digital processes by means of 3D printing processes (instead of approx. three dentures, up to approx. 11 dentures per day can be fabricated)
2. Efficient fabrication, with reduced manual manufacturing effort

Time savings for denture fabrication (28 mm total dentures incl. try-in)

Source: Internal investigation of VITA product management, time data based on determined average values for the effective working time of a dental technician, report: 11/2019, (1), see back of brochure.

VITA VIONIC® SOLUTIONS

- Enables time-saving fabrication with significantly reduced manual manufacturing effort, with a time savings of over five hours, compared to conventional fabrication
REASONS FOR HIGH PRODUCTIVITY AND EFFICIENCY

3. Time-saving finalization with coordinated bonding solution

VITA VIONIC® SOLUTIONS

- VITA VIONIC BOND offers an efficient and safe fastening system for fixing denture teeth in the base, without further auxiliary steps
- Enables precise, gap-free fixation of the denture teeth in the cavity with the thin-flowing, self-curing bonding solution

*) plus 15 minutes curing in the pressure pot
Completion time only 20 minutes*

With VITA VIONIC BOND:
Time saving denture teeth - bond, cure, finished!

done!
REASONS FOR GOOD DURABILITY

1. Solid material
For good durability

- VITA VIONIC VIGO is made of SE polymer (SE polymer = silica-endowed polymer matrix)
- Silicon dioxide fillers ($\text{SiO}_2$) encapsulated in the polymer reinforce the polymer matrix and offer good wear resistance

2. German engineering skill
Perfected tooth design

- VITA VIONIC VIGO was developed by German engineers in cooperation with experienced dental technicians
- The tooth design perfected for a digital workflow enables highly efficient, digital fabrication
3. Tested manufacturing processes
For consistently reliable quality

- VITA VIONIC VIGO is manufactured according to ISO-certified procedures
- The entire production technology used is “made in Germany”
- Compliance with high quality standards is continuously monitored by experienced specialists
SYSTEM AND COMPONENTS

VITA VIONIC® SOLUTIONS is an integrated material solution with individually coordinated components for efficient digital denture fabrication. The following gives you an overview of all solutions.
SYSTEM COMPONENTS

VITA VIONIC WAX
wax base disc

VITA VIONIC BASE
denture base disc

VITA VIONIC BOND
bonding system
## COMPONENTS AND APPLICATION FORMS

### VITA VIONIC® WAX
For the fabrication of try-ins

- Dimensionally stable, temperature-resistant synthetic-wax blanks
- Ø 98.4 mm/H 30 mm
- Ø 98.4 mm/H 26 mm

### VITA VIONIC® BASE
For the fabrication of denture bases

- Highly cross-linked, industrially polymerized, monomer-free PMMA blanks
- Ø 98.4 mm/H 26 mm
- Ø 98.4 mm/H 30 mm

<table>
<thead>
<tr>
<th>Material</th>
<th>VITA VIONIC® WAX</th>
<th>VITA VIONIC® BASE</th>
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<tr>
<td>Shades/presentation</td>
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SOLUTIONS

VITA VIONIC® VIGO®
Prefabricated denture teeth

Denture teeth made of SE polymer with a tooth design perfected for the digital workflow; Practical, wax-free application of the denture teeth in a blister pack

- VITA classical A1–D4®/bleach shades: 0M1, A1, A2, A3, A3.5, B3, D3

- 8 x upper anterior tooth moulds
- 4 x lower anterior tooth moulds
- 4 x upper & lower posterior tooth moulds

VITA VIONIC® BOND
For adhesive bonding of denture teeth

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

- VITA VIONIC BOND I, can, 2ml
- VITA VIONIC BOND II, bottle, 1ml
- Microbrush, 3 pcs.
## Mould Overview

### Upper Anteriors VITA VIONIC® VIGO®

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### Lower Anteriors VITA VIONIC® VIGO®

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### Posterior VITA VIONIC® VIGO®

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### Additional Measurements

- **Anterior UJ / No.**:
  - mm: 47.0, 49.0, 44.5, 49.9, 46.2, 43.3, 44.0, 48.3
- **LJ / No.**:
  - mm: 37.2, 39.2, 35.2, 39.2, 35.2, 33.2, 33.2, 37.2
- **Posterior UJ / No.**:
  - mm: 31.8, 34.3, 31.8, 35.9, 31.8, 30.3, 30.3, 31.8
- **LJ / No.**:
  - mm: 32.6, 35.0, 32.6, 36.9, 32.6, 31.0, 31.0, 32.6
SYSTEM COMPATIBILITY

CAD technology partners for VITA VIONIC®
• 3Shape AS
• exocad GmbH

CAM technology partners for VITA VIONIC®
Systems:
• imes-icore GmbH (CORiTEC series)
• Roland DG (Roland DWX series)
• Amann Girrbach AG (Ceramill Motion series)
• Vhf camfacture AG (K-/S-/Z-/R-series)
Software:
• MillBox
• SUM3D Dental
• hyperDENT Dental

3D printing technology partners for VITA VIONIC®
• Rapid Shape GmbH (Rapid Shape series)
• Formlabs Inc. (Form 2)
• Carbon3D Inc. (Carbon M2)
• NextDent B.V. (NextDent 5100)

Note: An up-to-date and complete overview of the technology partners, including information on the validation of these partners, can be found at: www.vita-zahnfabrik.com/vionicvigo

SYSTEM COMPONENTS

VITA VIONIC BOND bonding system
VITA VIONIC BASE denture base disc
VITA VIONIC WAX wax base disc
<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Scan/model analysis</td>
<td>Digitize the models and perform a digital model analysis using CAD software.</td>
</tr>
<tr>
<td>CAD design/tooth selection</td>
<td>Select a suitable VITA VIONIC VIGO denture tooth and benefit from the libraries with a variety of setup concepts when designing the denture using CAD.</td>
</tr>
<tr>
<td>CAM/printing try-in</td>
<td>Use the VITA VIONIC WAX synthetic wax blanks or a recommended printing material to fabricate the try-in.</td>
</tr>
<tr>
<td>CAM/printing denture base</td>
<td>To fabricate definitive denture bases, use VITA VIONIC BASE PMMA blanks or a recommended print material.</td>
</tr>
<tr>
<td>Bonding/completion</td>
<td>Use the unique VITA VIONIC BOND bonding system for the definitive bonding of VITA VIONIC VIGO denture teeth in the base.</td>
</tr>
</tbody>
</table>
WE ARE HAPPY TO HELP

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

★ Hotline Sales Support
Mrs. Carmen Holsten and her team (Internal Sales Department) will be glad to assist you with orders or questions about the delivery, product data and marketing materials.

Phone +49 (0) 7761 / 56 28 84
Fax +49 (0) 7761 / 56 22 99
8:00 a.m. to 5 p.m. CET
E-mail: info@vita-zahnfabrik.com

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

Phone +49 (0) 7761 / 56 22 22
Fax +49 (0) 7761 / 56 24 46
8:00 a.m. to 5 p.m. CET
E-mail: info@vita-zahnfabrik.com

★ Further international contacts can be found at www.vita-zahnfabrik.com/contacts.
VITA PROSTHETIC SOLUTIONS –
for ideal dental prosthetics: natural, reliable, rich in variation.

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.
Further information on VITA VIONIC VIGO

can be found at: www.vita-zahnfabrik.com/vionicvigo

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: 11/2019

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

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

VITA VIONIC®
VITO VIONIC®

The company GDF Gesellschaft für dentale Forschung und Innovationen GmbH is certified according to the Medical Device Directive, and the following product bears the CE mark:

VITA VIONIC® BASE

VITA Zahnfabrik is certified, and the following products bear the CE mark:

VITA VIONIC® WAX

Rx only