

Digital Dentures: The Next Level



VITA VIONIC® SOLUTIONS

Take the next step:
We're with you every step of the way on your digital denture journey – with outstanding quality, esthetics and even greater efficiency and flexibility.





VITA VIONIC SOLUTIONS

Digital Dentures: **The Next Level**

// Milling is currently the best approach to digital denture fabrication. With VITA VIONIC DENT DISC multiColor, impressive esthetics are possible. The transitions between the shade layers are incredibly seamless. Now you can fabricate premium quality, esthetically milled dentures that are just as good as their analog counterparts.

Eelco van Wort
Dental Design Centrum, The Netherlands



Take digital denture fabrication to the next level



Esthetics

Next-level esthetics for your dentures without compromise – with the three-dimensional shade gradient of VITA VIONIC VIGO denture teeth or the polychrome effect of VITA VIONIC DENT DISC multiColor.



Quality

With the right materials, digitally fabricated dentures can meet precise quality requirements. VITA VIONIC DENT DISC multiColor, for example, impresses with abrasion resistance and improved polishing characteristics.



possibilities

Patients want dentures that are tailored to suit them. To meet this need, the VITA VIONIC tooth libraries offer seven individual setup concepts.



Efficiency

Digital dentures offer efficiency. VITA VIONIC SOLUTIONS include system components for a smooth and efficient workflow.



The new VITA VIONIC DIGITAL VIGO Denture Tooth Library is fantastic. It saves us about 15 minutes of design time, and that's a lot! With the design, we establish the foundation for a predictable and smooth workflow. Our recommendation: Everybody should use the VITA library to design digital dentures.

Frans Delfos
Cordent Group, The Netherlands

Full dentures.

Your workflow with VITA VIONIC VIGO®

VITA VIONIC VIGO is your specialist when it comes to full digital dentures. The material is immediately ready for use: adapted on the base and with preconditioned bonding surfaces.

This allows VITA VIONIC VIGO to be precisely and reliably secured in the denture base, making fabrication of full digital dentures highly efficient, without compromising esthetics or function.

My requirements

I want to fabricate full dentures. ✓

I value esthetic shade, shape and brilliance of light. ✓

I want a material that is tailored to my digital workflow. ✓

I am looking for an approach that saves time and offers process reliability. ✓

CAD process

Try-in: pressing or milling

Fabricating final denture bases

Preparing denture teeth

Bonding teeth in the base

Individualizing

1

VITA VIONIC VIGO®
Denture Tooth Library



>

2

VITA VIONIC® WAX



>

3

VITA VIONIC® BASE DISC HI



>

4

VITA VIONIC VIGO®



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5

VITA VIONIC® BOND



>

6

VITAVM®LC flow-
VITA AKZENT® LC



Partial and full dentures.

Your workflow with VITA VIONIC® DENT DISC multiColor

Flexible use for partial and full dentures, efficient processing and esthetics without compromise: VITA VIONIC DENT DISC multiColor impresses with a shade gradient that offers a Perfect Match with the VITA shade guide.

Tooth elements from the composite disc feature high abrasion resistance, which makes them as durable as conventional VITA denture teeth.

My requirements

I want to fabricate full and partial dentures.



It is important to me to have the same excellent material properties as with analog denture teeth.



I'm looking for an efficient overall workflow for milling denture teeth.



I need the flexibility to adapt the tooth design to my individual patient cases.



CAD process

Try-in: pressing or milling

Fabricating final denture bases

Fabricating tooth elements

Bonding teeth in the base

Individualizing

1

VITA VIONIC® DIGITAL VIGO
Denture Tooth Library



2

VITA VIONIC® WAX



3

VITA VIONIC® BASE DISC HI



4

VITA VIONIC® DENT DISC
multiColor



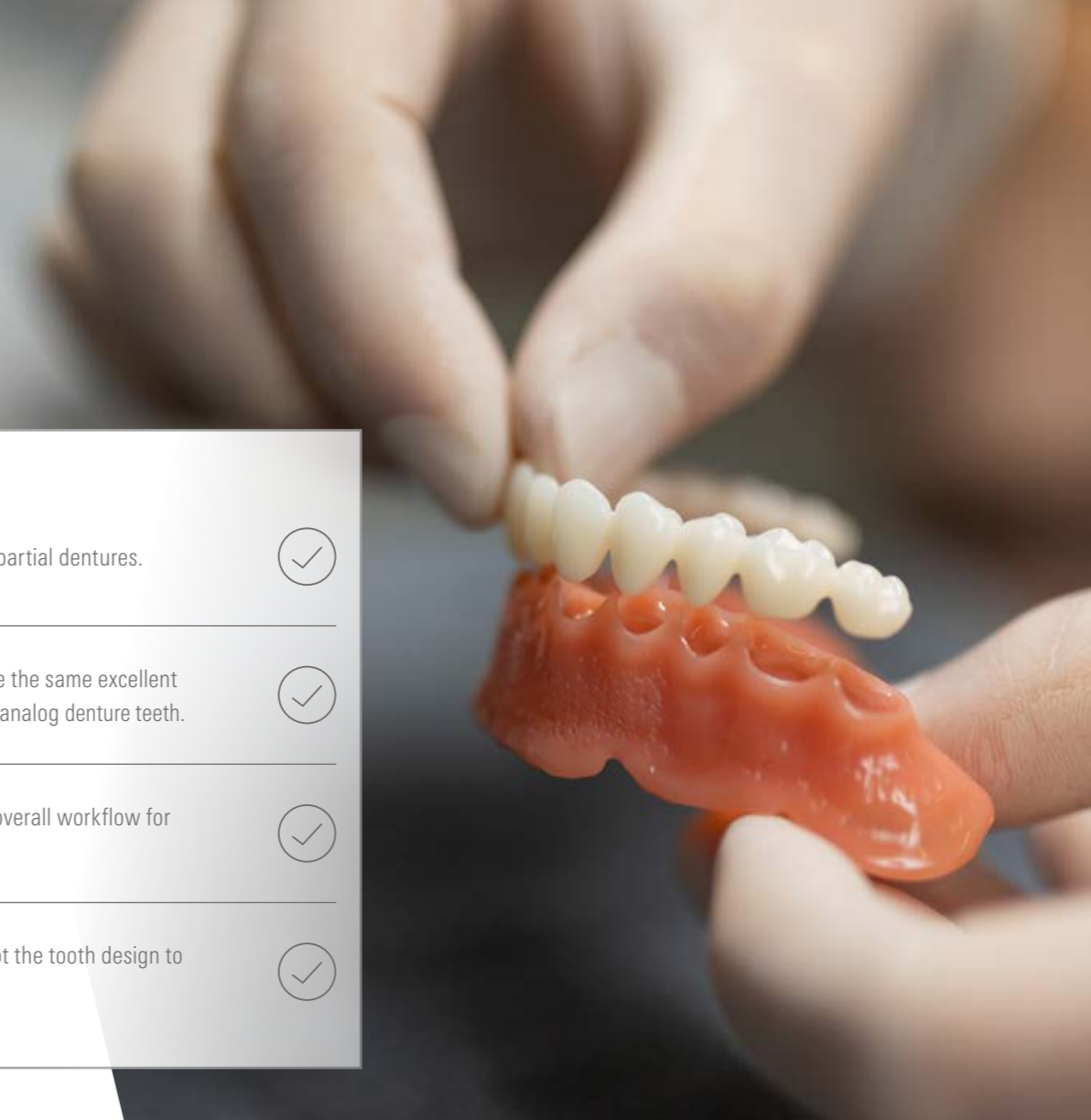
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VITA VIONIC® BOND

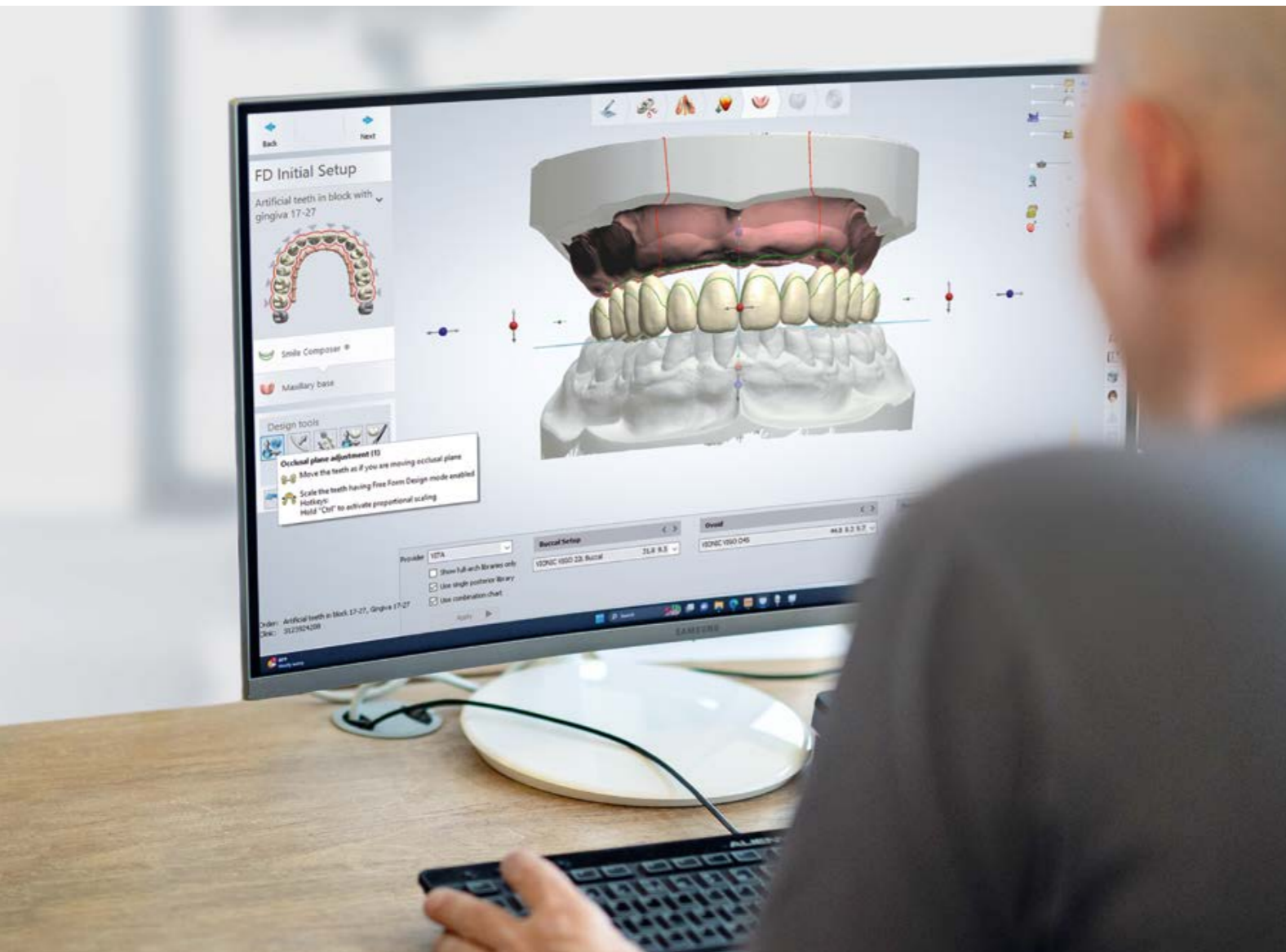


6

VITAVM®LC flow –
VITA AKZENT® LC
















1 Denture Tooth Library.



Your options for denture design

Multifunctional tooth data: seven denture concepts and four bite classes combined in a single library

Occlusal concepts		Occlusal position	Skeletal class
 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>
 <input checked="" type="checkbox"/>	 <input checked="" type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>
 <input type="checkbox"/>	 <input checked="" type="checkbox"/>		 <input type="checkbox"/>
	 <input type="checkbox"/>		 <input type="checkbox"/>

New concepts

1. VITA VIONIC VIGO® Denture Tooth Library

Seven predefined setup concepts are available for designing full dentures using VITA VIONIC VIGO denture teeth. This allows dentures to be fabricated quickly and simply using all conventional open milling and 3D printing systems. Make the most of the VITA tooth design expertise and the largest selection of setup concepts.

2. VITA VIONIC® DIGITAL VIGO Denture Tooth Library

The extended version of the VITA Denture Tooth Library also includes an STL data export function for complete denture setups (try-in dentures) or for separate tooth elements and base designs. Depending on preference, dentures fabricated using the multifunctional tooth geometries can be milled from discs or fabricated using a 3D printer. In this way, VITA VIONIC DIGITAL VIGO provides new, flexible options for digital workflows.



VITA VIONIC VIGO® VITA VIONIC® DIGITAL VIGO

Flexible

- For partial and full dentures
- Seven denture concepts, including crossbite, all bite classes
- For milled and pressed restorations

Efficient

- One library for all setup concepts – no switching between different tooth lines.
- Multifunctional tooth design for easy selection of appropriate moulds
- Fast and simple adaption of initial suggestions



More information on the order process
is provided on our website
www.vita-zahnfabrik.com/vionidigitalvigo

2 Fabricating try-ins.



3 Fabricating the final denture base.



VITA VIONIC® WAX

Dimensionally stable, temperature resistant, synthetic wax blanks

- Comfortable wax try-in
- Precise wax setup
- Simple correction

Further information is available on our website
www.vita-zahnfabrik.com/vionicwax



VITA VIONIC® BASE DISC HI

Premium quality PMMA disc for the fabrication of final denture bases

- Durability, thanks to impact-resistant material
- Excellent fit to the alveolar ridge
- New selection of gingival shades

Further information is available on our website
www.vita-zahnfabrik.com/vionicbasehi

4 Inserting denture teeth.

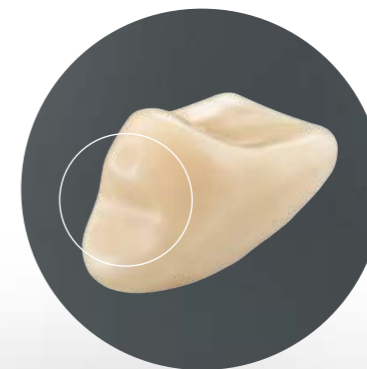


Perfected tooth design

Reduced tooth dimensions,
sanded-down cervical area



Cut-back free
base design

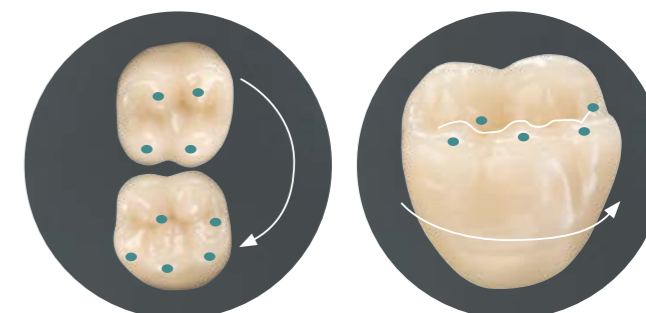


Conical-oval tooth neck shape
with rotation protection



Reliable function

- Easy-centric function so you can work quickly and simply; automatic occlusion in the desired contact relationship
- Covers a variety of setup concepts



VITA VIONIC® VIGO

The specialist for total digital dentures

Esthetics

- Three-dimensional shade layering and lifelike moulds

Material quality

- Premium teeth with impressive material properties

Process reliability

- Tooth design perfected for the digital workflow
- Greater productivity, thanks to an efficient workflow

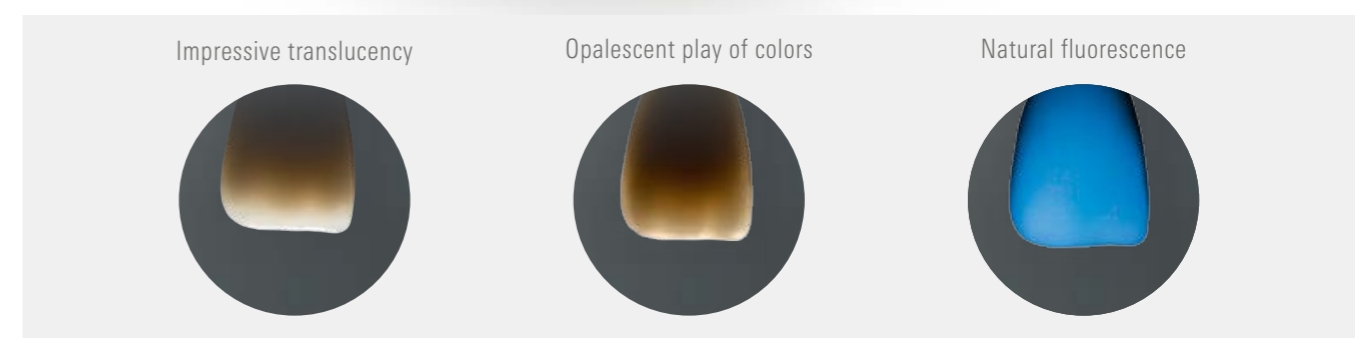


Natural shape – fascinating play of colors

Shape and texture



Dynamics of light



VITA VIONIC VIGO Anterior Mould overview	UJ / No. mm	R47 47.0	R49 49.0	O45 44.5	T50 49.9	T46 46.2	O43 43.3	T44 44.0	T48 48.3
	LJ / No. mm	L37 37.2	L39 39.2	L35 35.2	L39 39.2	L37 37.2	L33 33.2	L33 33.2	L37 37.2
VITA VIONIC VIGO Posterior Mould overview	UJ / No. mm	22L 31.8	23L 34.3	22L 31.8	24L 35.9	22L 31.8	21L 30.3	21L 30.3	22L 31.8
	LJ / No. mm	22L 32.6	23L 35	22L 32.6	24L 36.9	22L 32.6	21L 31	21L 31	22L 32.6

VITA VIONIC VIGO can be combined with conventional denture base materials, suitable for all open and validated milling or 3D printing systems.






Further information on moulds and shades, as well as matching system components and validated technology partners is available at:
www.vita-zahnfabrik.com/vionicvigo

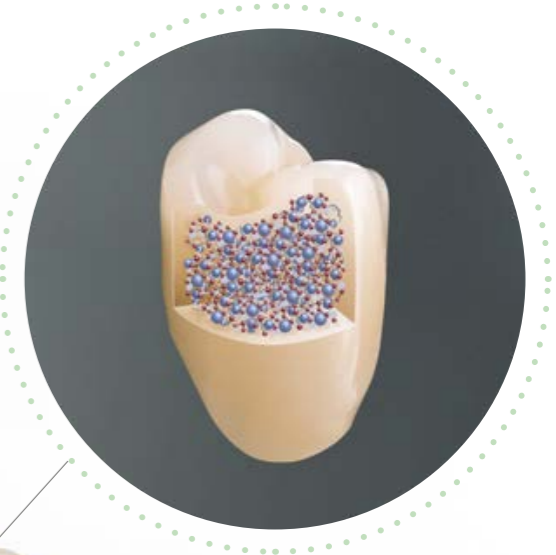
4 Milling tooth elements.



Material composition

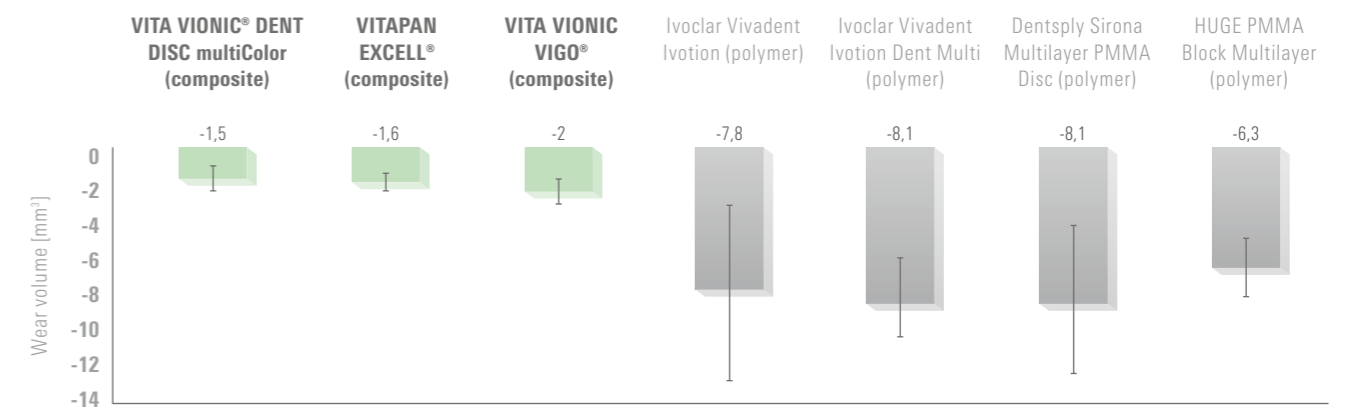
VITA VIONIC DENT DISC multiColor is an MRP composite disc comprised of inorganically filled PMMA that impresses, thanks to its material properties and the quality of VITA premium denture teeth.

-  **PMMA pearls**
-  **Silanized fillers**
-  **Cross-linked matrix without MMA**



Proven quality

Wear volume*



* Source: Regensburg University Hospital, Polyclinic for Dental Prosthetics, Report No. 2302_02, 4/2023



VITA VIONIC® DENT DISC multiColor

Composite milling blanks for tooth elements in final partial and full dentures

Material quality

- Abrasion resistant for durable denture teeth

Esthetics

- Integrated shade gradient for a more natural effect
- Good polishing characteristics

Flexibility

- Simple, safe processing
- Compatible with conventional milling systems

Integrated shade gradient

VITA VIONIC DENT DISC multiColor replicates natural dentition with a shade gradient covering four levels of chromatic intensity. The impressive esthetics are immediately visible, thanks to the effective polishing characteristics.



Available in the following shades:

VITA classical A1 – D4®: A1, A2, A3, A3.5, B3, D3

Bleach shades: 0M1



The VITA VIONIC DENT DISC is comparable to the proven VITA premium denture teeth. The polishing result is excellent and the effect is highly individualized, thanks to the shade gradient. As far as I am concerned, the disc is the link that brings the digital and analog approaches in line with one another.

Arbnor Saraci
HIGHFIELD.DESIGN – Wichnalek dental technology, Germany



Further information on shades, as well as matching system components and validated technology partners, is available on our website.
www.vita-zahnfabrik.com/VionicDentDisc

5 Bonding.



6 Finalizing, individualization.



VITA VIONIC® BOND

A fast, clean workflow and a secure bond

- Efficient, adhesive bonding of denture teeth and tooth elements made of acrylate (e.g., PMMA) and acrylate-based composite
- A simple, fast workflow
- Self-curing, two-component system for a secure bond
- Precise, seamless bonding in the cavity, thanks to a thin film
- Simple removal of excess material

Further information is available on our website
www.vita-zahnfabrik.com/vionicbond



VITAVM® LC *flow*

Composite for sealing interdental spaces

VITA AKZENT® LC

Stain/glaze system for optional characterization

- For extraoral application on acrylate-based composites, polymers and hybrid ceramics
- Highly esthetic, thanks to brilliant shade effects and a wide range of shades for teeth and gingiva
- Viscosity that is optimally adapted to the respective application for an easy, efficient workflow

Further information is available on our website
www.vita-zahnfabrik.com/akzentlc

Digital solutions. VITA quality.



VITA VIONIC® WAX

For the fabrication of try-ins

Shades: white / pink
Geometries: Ø 98.4 mm / H 30 mm



VITA VIONIC® BASE DISC HI

For the fabrication of denture bases

Shades: classic pink / classic pink translucent / soft pink
Geometries: Ø 98.5 mm / H 30 mm



VITA VIONIC VIGO®

Prefabricated denture teeth

Shades: VITA classical A1–D4®: A1, A2, A3, A3.5, B3, D3
Bleach shade: 0M1
Geometries: 8 x upper anterior and 4 x lower anterior tooth moulds,
4 x upper and lower posterior tooth moulds



VITA VIONIC® DENT DISC multiColor

For the fabrication of denture teeth

Shades: VITA classical A1–D4®: A1, A2, A3, A3.5, B3, D3
Bleach shade: 0M1
Geometries: Ø 98.4 mm / H 20 mm



VITA VIONIC® BOND

Bonding

Packaging: VITA VIONIC BOND I (jar, 2 ml)
VITA VIONIC BOND II (bottle, 1 ml)
Microbrush (3x)



VITAVM®LC flow

For sealing interdental spaces and for individualization

Shades: Available shades include
five gingiva shades



VITA AKZENT® LC

Characterization

Recommended variants: white, cream, pink,
dark-red, blue, Glaze



We are happy to help.



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On publication of these instructions for use, previous versions will no longer be valid. The current version in each case is available at www.vita-zahnfabrik.com

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

CE 0124

VITA VIONIC VIGO®, VITA VIONIC® DENT DISC multiColor,
VITA VIONIC® BOND, VITAVM®LC flow, VITA AKZENT® LC

gebdi DENTAL-PRODUCTS GmbH has been certified in accordance with the Medical Devices Directive, and the following product bears the CE mark

CE

VITA VIONIC® WAX,

Dental Direkt GmbH has been certified in accordance with the Medical Devices Directive, and the following product bears the CE mark

CE 0482

VITA VIONIC® BASE DISC HI

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Rx only

References

Regensburg University Hospital,
Polyclinic for Dental Prosthetics,
Report No. 2302_02, 4/2023



For more information on VITA VIONIC SOLUTIONS,
simply scan the QR code.

www.vita-zahnfabrik.com/vionic



VITA VIONIC SOLUTIONS materials complement our workflow perfectly. Now digital dentures can offer the same quality as that of analog techniques. And with VITA, we can get everything from a single source.

Lukas Wichnalek
HIGHFIELD.DESIGN – Wichnalek dental technology, Germany

VITA VIONIC® SOLUTIONS

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