

VITA VIONIC VIGO®

The new tooth generation for digital denture fabrication at the touch of a button



VITA shade determination

VITA shade communication

VITA shade reproduction

VITA shade control

Date of issue: 2023-02



VITA – perfect match.

VITA

CONCEPT AND BENEFITS

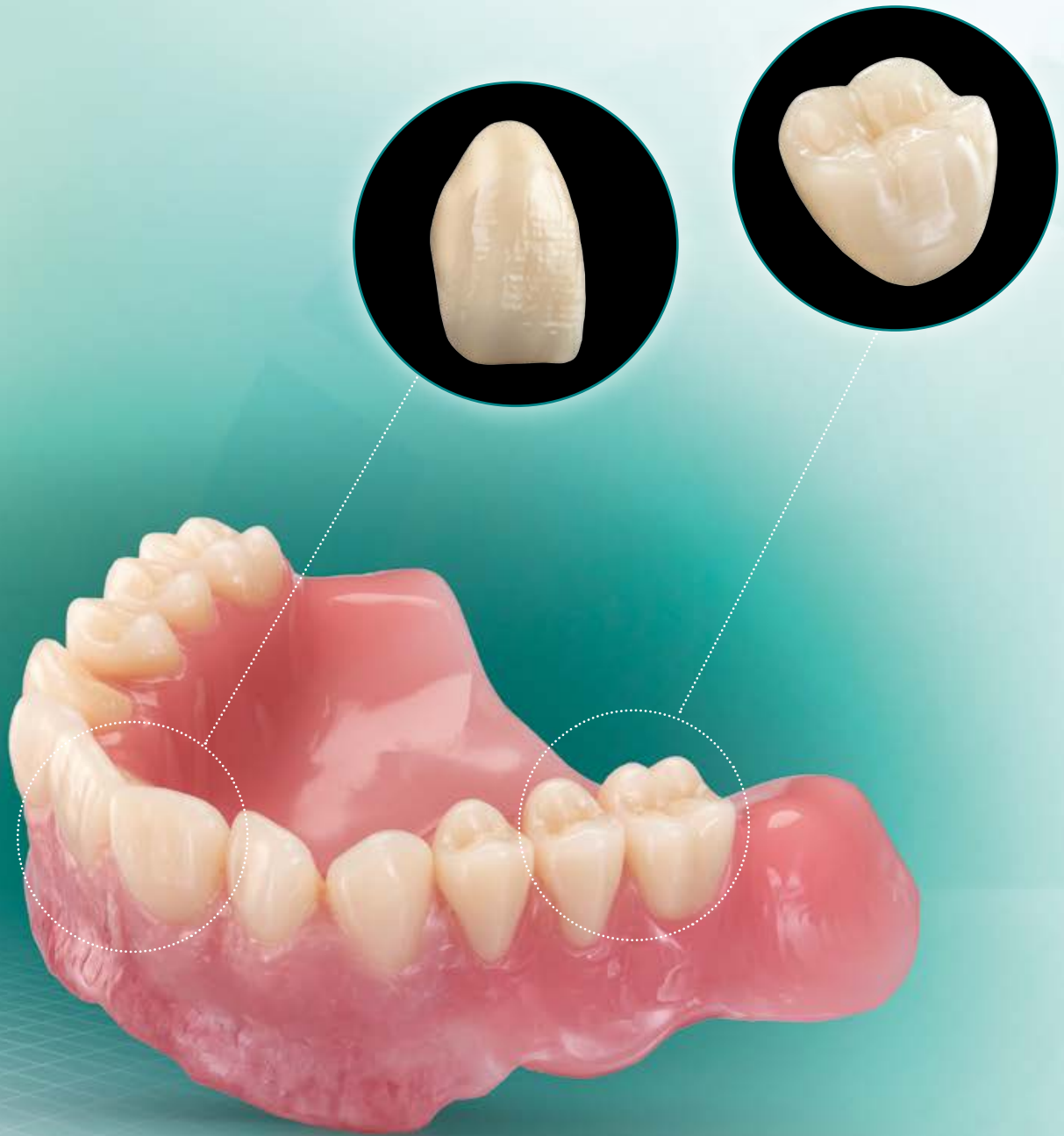
VITA VIONIC VIGO® is a new generation of teeth with a tooth design perfected for the digital fabrication of dentures. Discover the many advantages in the following pages.





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



INTEGRATED OVERALL SOLUTION FOR EFFICIENT WORKFLOW



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.

SCAN/MODEL ANALYSIS



1

TOOTH SELECTION/
CAD DESIGN



2

CAM/PRINTING*
TRY-IN

3



CAM/PRINTING*
DENTURE BASE

4



5

BONDING/FINISHING



START



FINISHED!

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



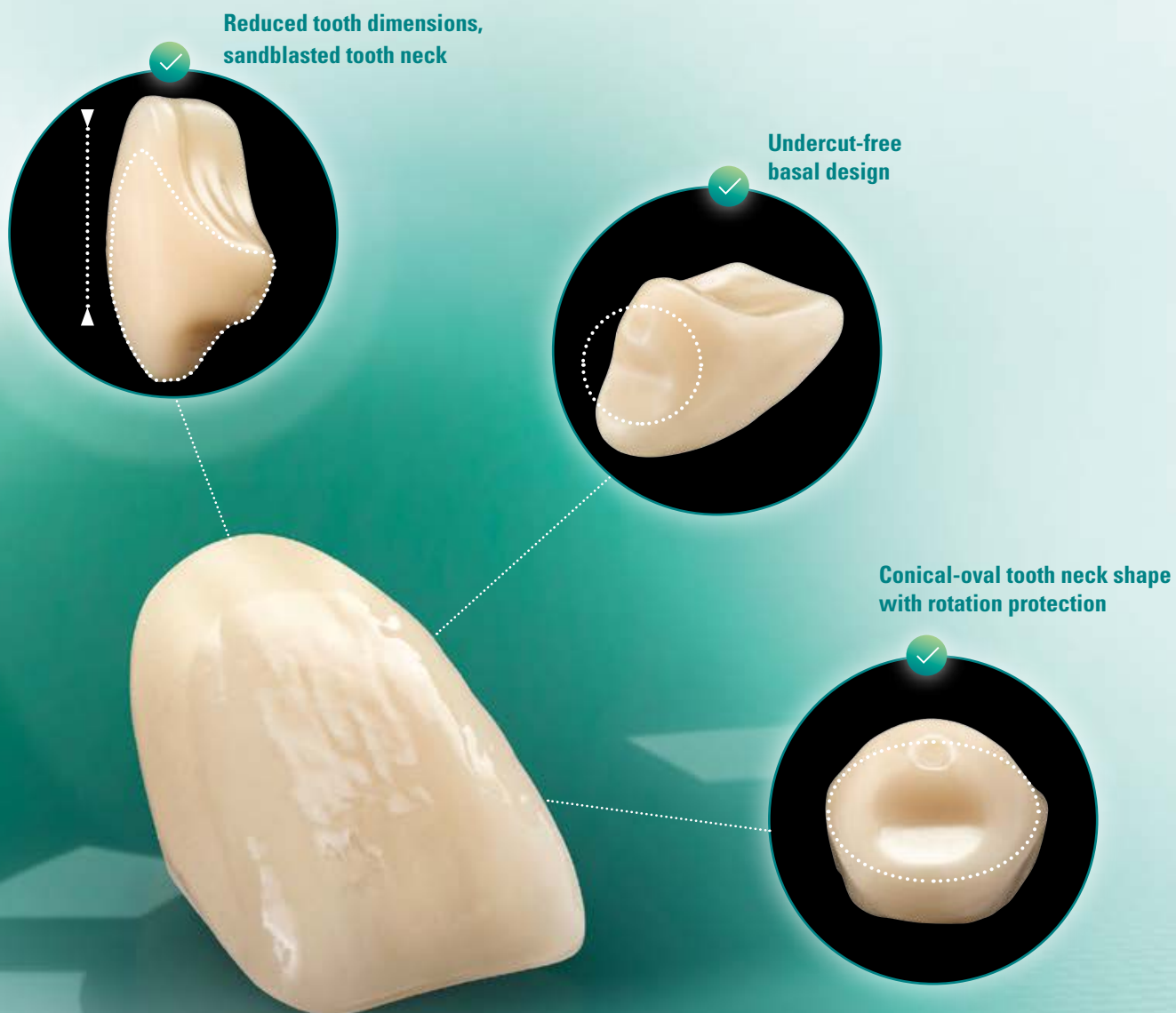
Natural/



Process-reliable



PERFECTED TOOTH DESIGN FOR MORE PRODUCTIVITY



VITA VIONIC VIGO®

- 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



SHAPE AND TEXTURE FEATURES

DYNAMIC LIGHTING FEATURES

▶ Multi-faceted texture

▶ Vivid shape

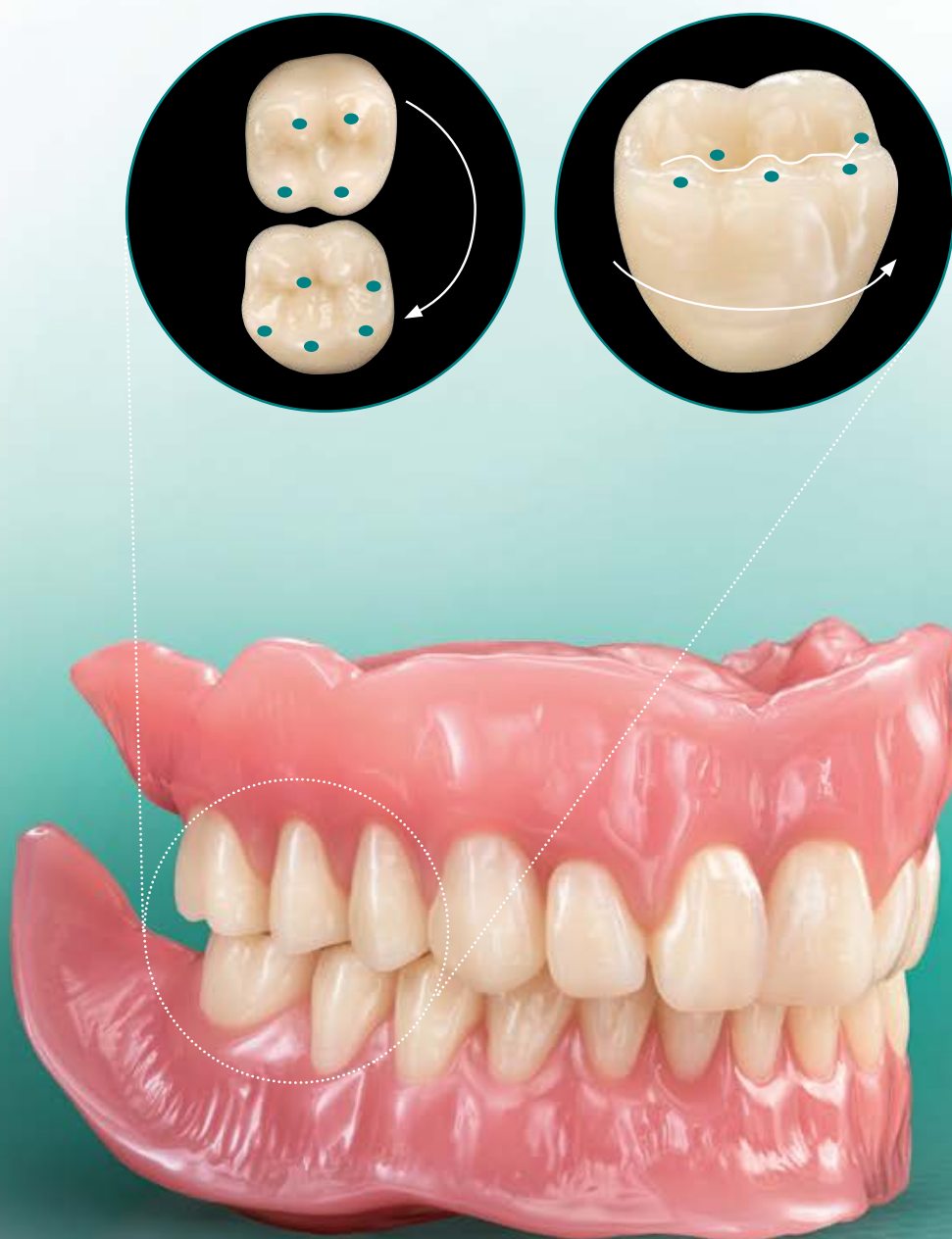
▶ Pronounced palatal ridges

▶ Excellent translucency

▶ Opalescent play of colors

▶ Natural fluorescence

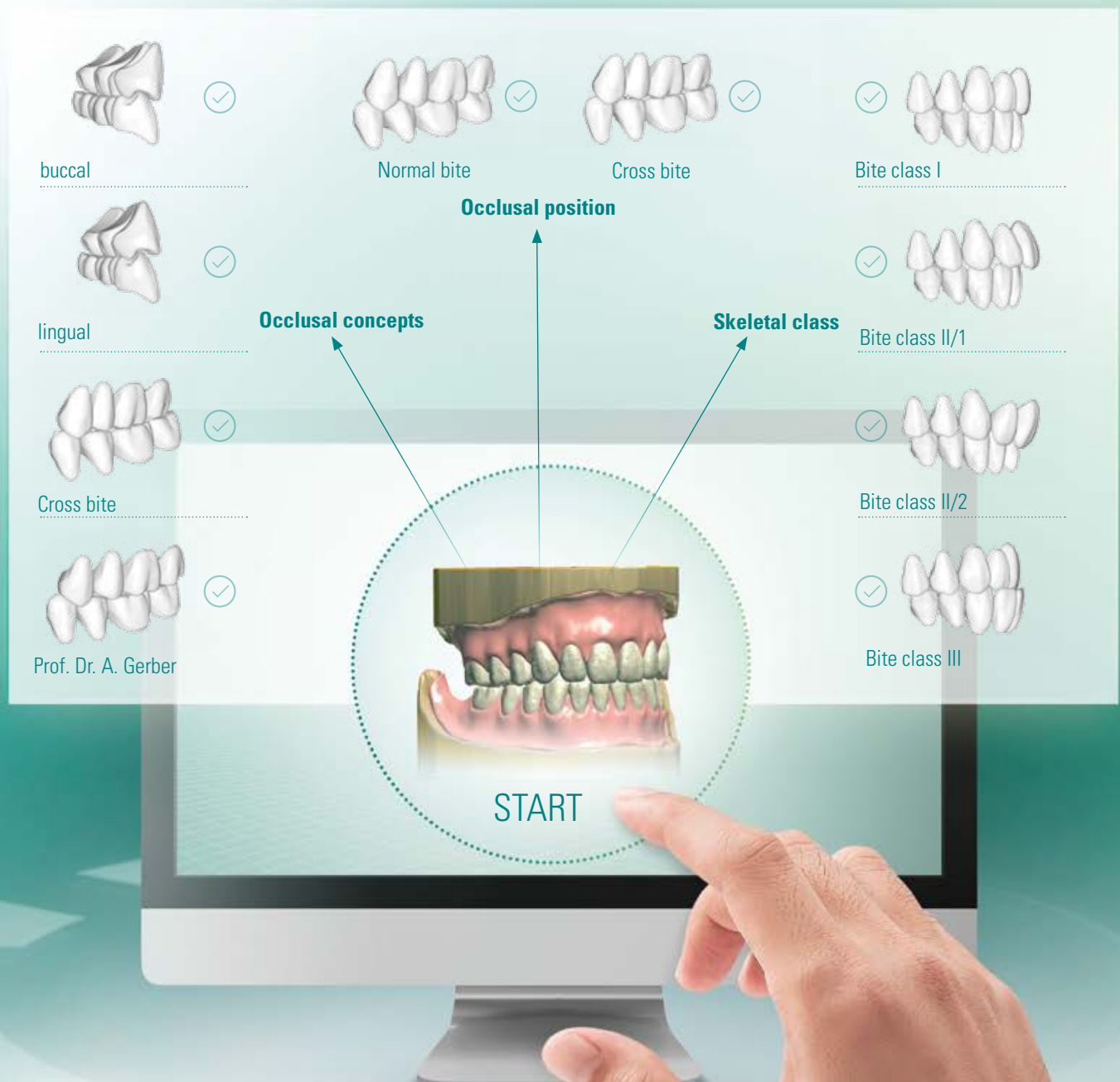
RELIABLE FUNCTION AT ALL TIMES



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



VITA VIONIC VIGO®

- 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



FACTS AND FEATURES

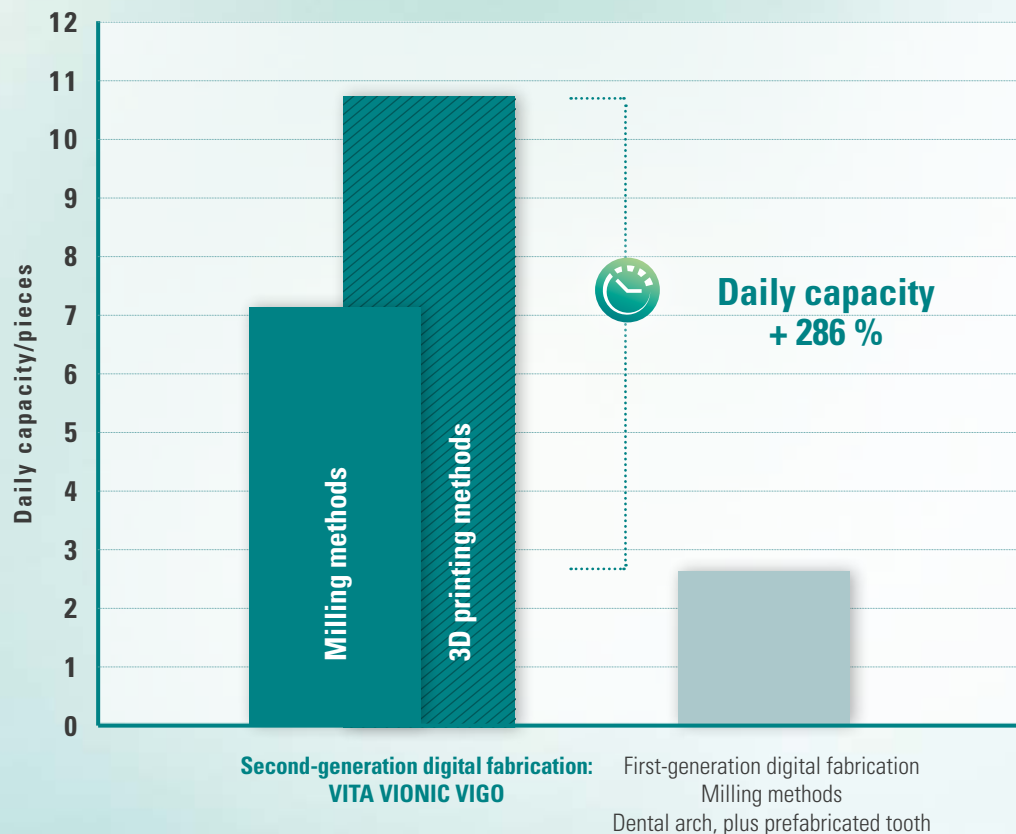
VITA VIONIC® SOLUTIONS enable highly productive and efficient digital fabrication of dentures, thanks to a new-generation denture tooth and a unique bonding solution. Learn more now.



REASONS FOR HIGH PRODUCTIVITY AND EFFICIENCY

1. Increased productivity, due to digital denture workflow

Daily capacity of 3D printing/milling systems (28 full dentures without try-in)



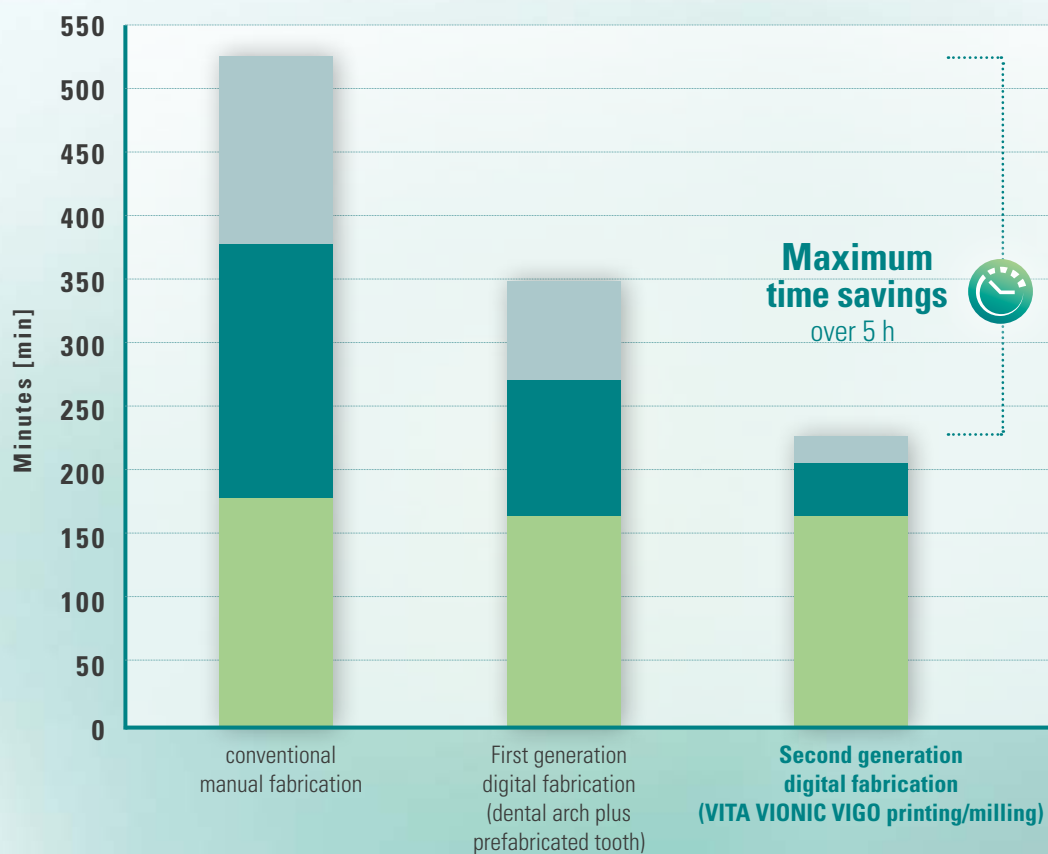
Source: Internal investigation of VITA product management, calculations of daily capacity, based on average values of the production capacities of selected milling and printing systems for a 1-shift model with 9 h, report: 11/2019, ([1], see back of brochure).

VITA VIONIC® SOLUTIONS

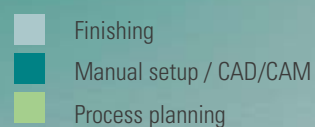
- Enables an increase in productivity of 286%, compared to first generation digital processes by means of 3D printing processes (instead of approx. three dentures, up to approx. 11 dentures per day can be fabricated)

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



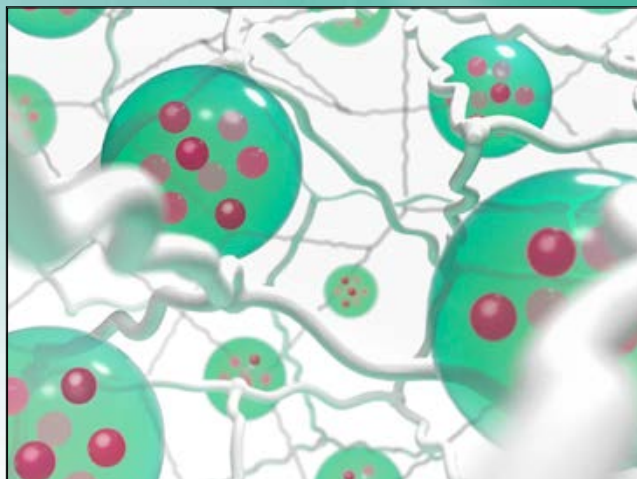
With VITA VIONIC BOND:
Time saving denture teeth -
bond, cure, finished!


done!

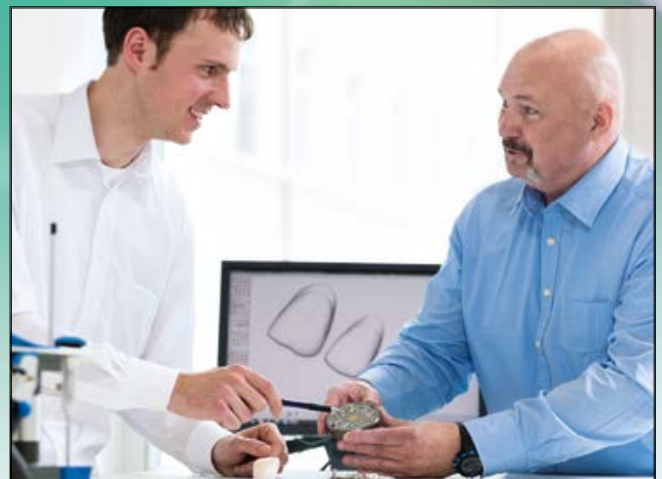


REASONS FOR GOOD DURABILITY

100% German Dental Engineering by VITA



● PMMA pearls  Matrix of crosslinking agents ● Silanized filler



1. Solid material For good durability

- VITA VIONIC VIGO is made of SE polymer (SE polymer = silica-endowed polymer matrix)
- Silicon dioxide fillers (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®

	VITA VIONIC® WAX For the fabrication of try-ins	VITA VIONIC® BASE For the fabrication of denture bases
Material	Dimensionally stable, temperature-resistant synthetic-wax blanks	Highly cross-linked, industrially polymerized, monomer-free PMMA blanks
Shades/presentation	<ul style="list-style-type: none">• White• Pink 	<ul style="list-style-type: none">• Light-pink• Orange-pink• Deep-pink 
Geometries	<ul style="list-style-type: none">• Ø 98.4 mm/H 30 mm 	<ul style="list-style-type: none">• Ø 98.4 mm/H 26 mm• Ø 98.4 mm/H 30 mm 

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*						
 ovoid	O43  9.3 7.9	O45  9.7 8.3				
	T44  9.9 8.1	T46  10.2 8.2	T48  10.8 8.7	T50  10.8 9.2		
 triangular						
	R47  9.8 8.6	R49  10.7 8.9				
 rectangular						

Lower anteriors VITA VIONIC VIGO*						
	L33  7.2 4.9	L35  7.5 5.2	L37  7.8 5.5	L39  8.1 5.8		

Posterior VITA VIONIC VIGO*				
21L  9.0  9.8	22L  9.5  10.3	23L  10.2  11.0	24L  10.7  11.6	

VITA VIONIC VIGO Anterior	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	L35 35.2	L33 33.2	L33 33.2	L37 37.2
VITA VIONIC VIGO Posterior	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

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:

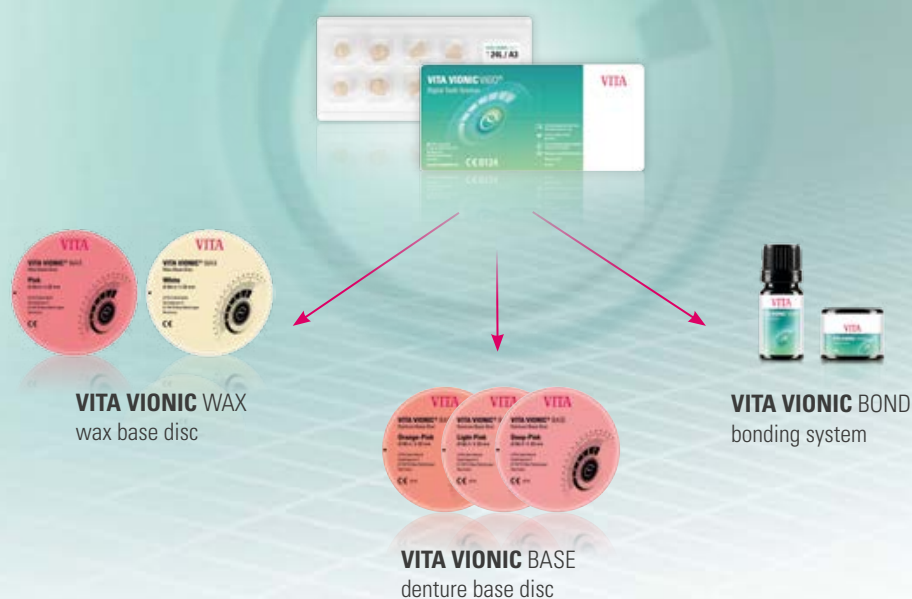
- MillBox
- SUM3D Dental
- hyperDENT Dental

3D printing technology partners for VITA VIONIC®

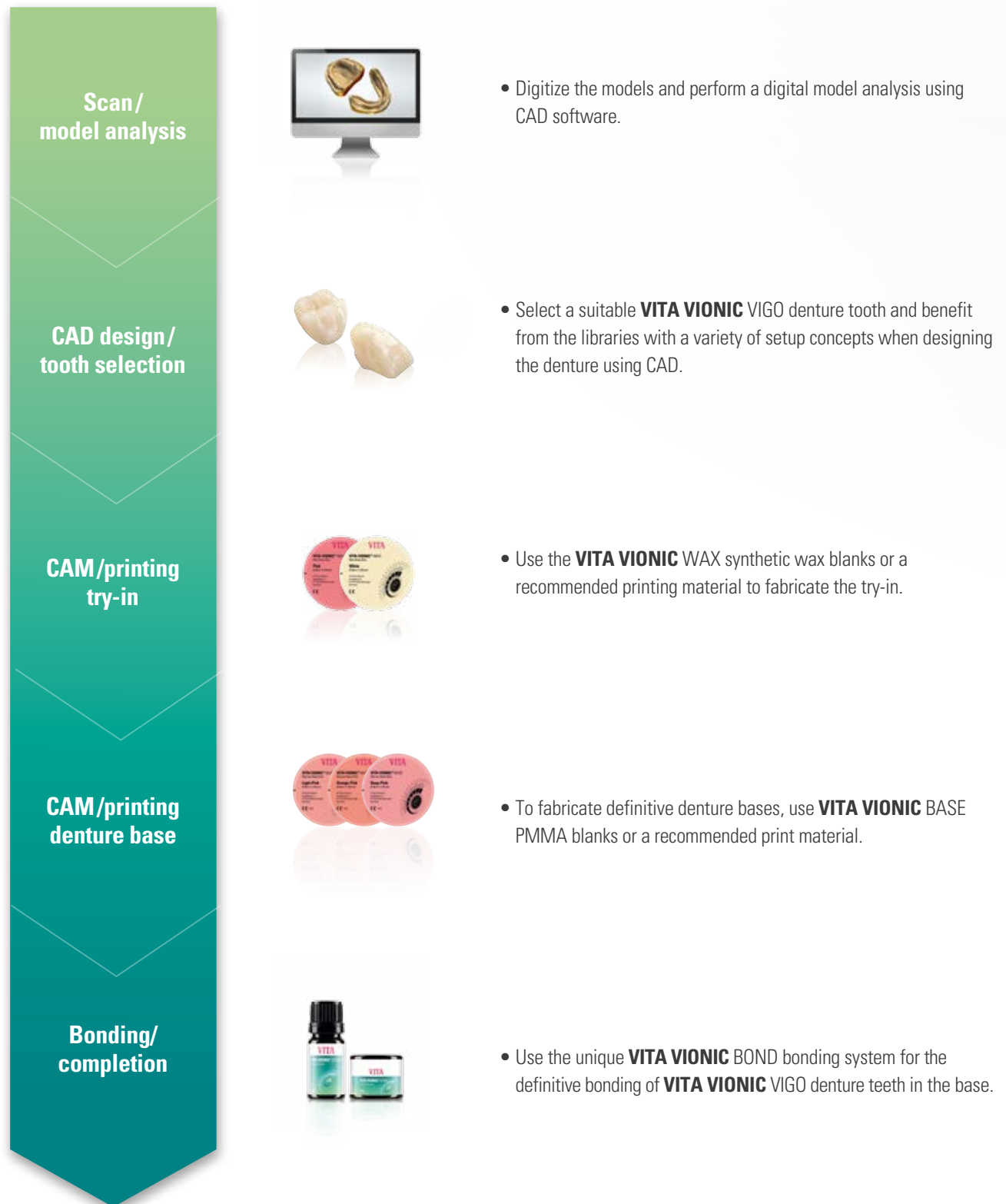
- Rapid Shape GmbH (Rapid Shape series)
- Formlabs Inc. (Form 2)
- Carbon3D Inc. (Carbon M2)
- NextDent B.V. (NextDent 5100)

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



IDEAL SOLUTIONS FOR THE DIGITAL FABRICATION OF PROSTHETICS



VITA – perfect match.

NOTES

WE ARE HAPPY TO HELP

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



Hotline Sales Support

Ms. Carmen Holsten and her team in the Internal Sales Department will be glad to assist you with orders or questions about delivery, product data and marketing materials.

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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 Dr. Michael Tholey and his technical service team.

► Phone +49 (0) 7761 / 56 22 22

Fax +49 (0) 7761 / 56 24 46

8:00 a.m. to 5 p.m. CET

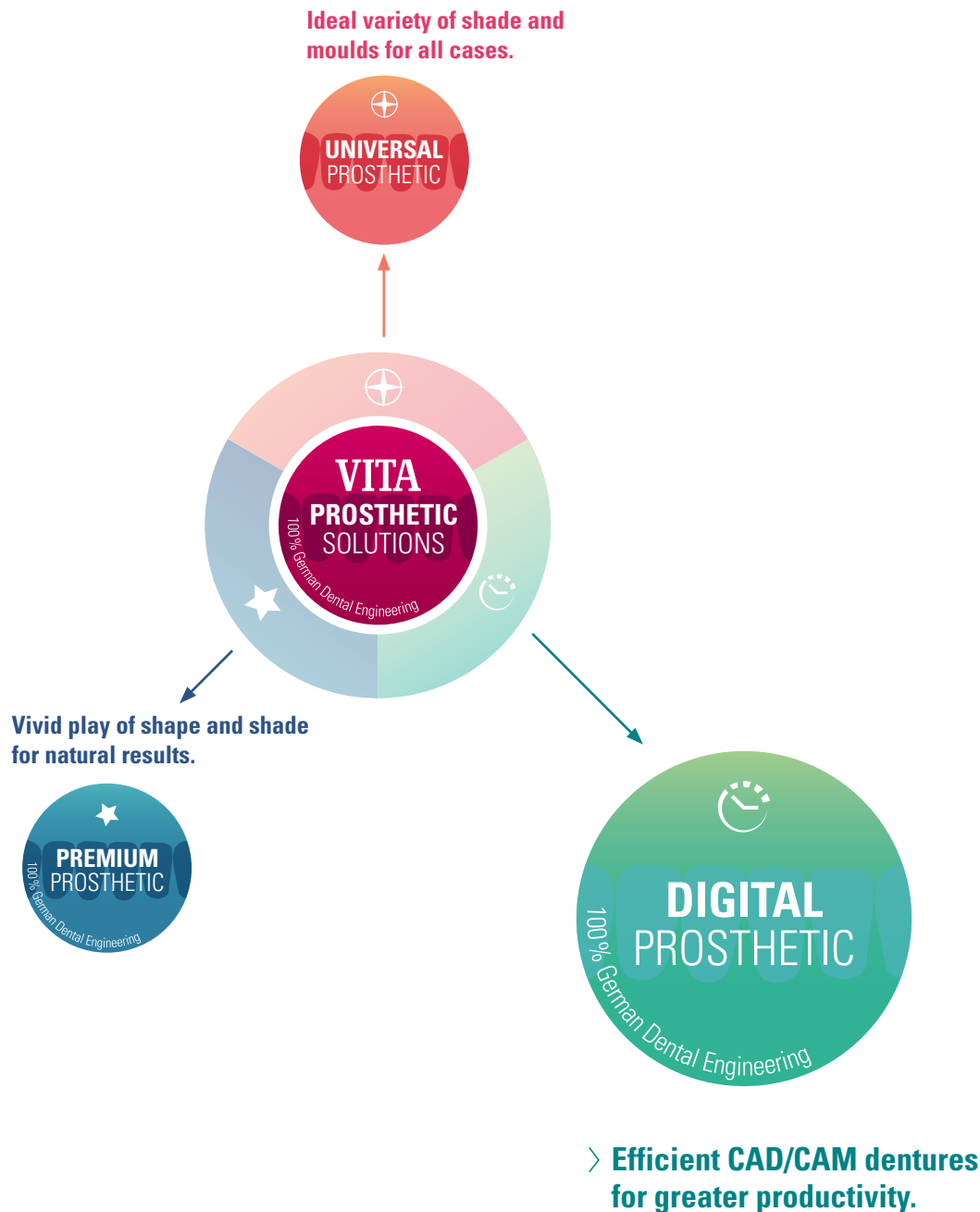
E-mail: info@vita-zahnfabrik.com

› Further international contacts can be found at www.vita-zahnfabrik.com/contacts.



VITA PROSTHETIC SOLUTIONS –

for ideal dental prosthetics: natural, reliable, rich in variation.



Increasing productivity with digital technology

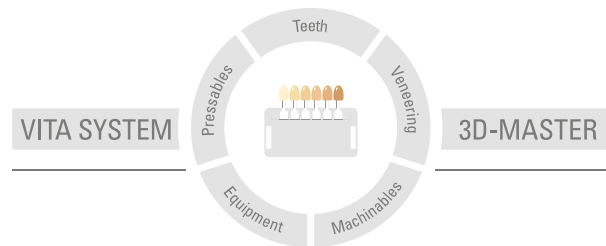
The VITA DIGITAL PROSTHETIC unifies innovation, efficiency and precision with custom-fit, coordinated material and CAD/CAM system solutions for full dentures.

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

CE 0124

VITA VIONIC VIGO®, VITA VIONIC®BOND

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

CE 0297

VITA VIONIC®BASE

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

CE

VITA VIONIC®WAX

Rx only

MD

VITA

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