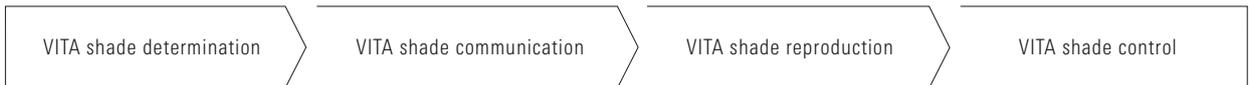


# VITAPAN EXCELL®

Perfect shape. Shade accuracy. Light dynamics.



Date of issue: 2022-03

VITA – perfect match.

**VITA**

## CONCEPT AND BENEFITS

**VITAPAN** EXCELL® is a new generation of denture tooth for brilliant vitality in shape, shade and play of light. More information can be found on the following pages.



VITAPAN EXCELL:  
Lifelike tooth shapes with  
"golden" proportions

## BRILLIANT VITALITY IN SHAPE, SHADE AND PLAY OF LIGHT



### **What?**

- VITAPAN EXCELL is a new generation of MRP composite anterior tooth that boasts a brilliant play of shape, shade and light for natural-looking dentures.

### **What for?**

- VITAPAN EXCELL is particularly suited to highly esthetic full, partial and implant-retained dentures.

### **With what?**

- VITAPAN EXCELL Anterior and VITAPAN LINGOFORM Posterior are the matched, multifunctional combination for all common occlusal concepts.



★ lifelike three-dimensional moulds

★ brilliant play of shade and light

## THE BENEFITS



*Perfect shape*



*Dynamics of light*



*Shade accuracy*

### **Simple fabrication**

- Simple fabrication of esthetic dentures, thanks to lifelike moulds with "golden" proportions

### **Brilliant vitality**

- Achieve a brilliant and natural play of shade and light, thanks to anterior teeth with lifelike light dynamics

### **Reliable shade reproduction**

- Facilitates reliable shade reproduction, thanks to excellent shade accuracy that matches the shade guide

### **High durability**

- High durability you can rely on, thanks to abrasion-stable MRP composite materials

## Criteria for a new generation

### An anterior tooth requires:

- ✓ "Golden" proportions in terms of length, width, etc.
- ✓ Aligned tooth axes
- ✓ Natural angle/curvature characteristics

### An anterior tooth needs:

- ✓ Natural light transmission
- ✓ Vitality in light dynamics

### An anterior tooth must have:

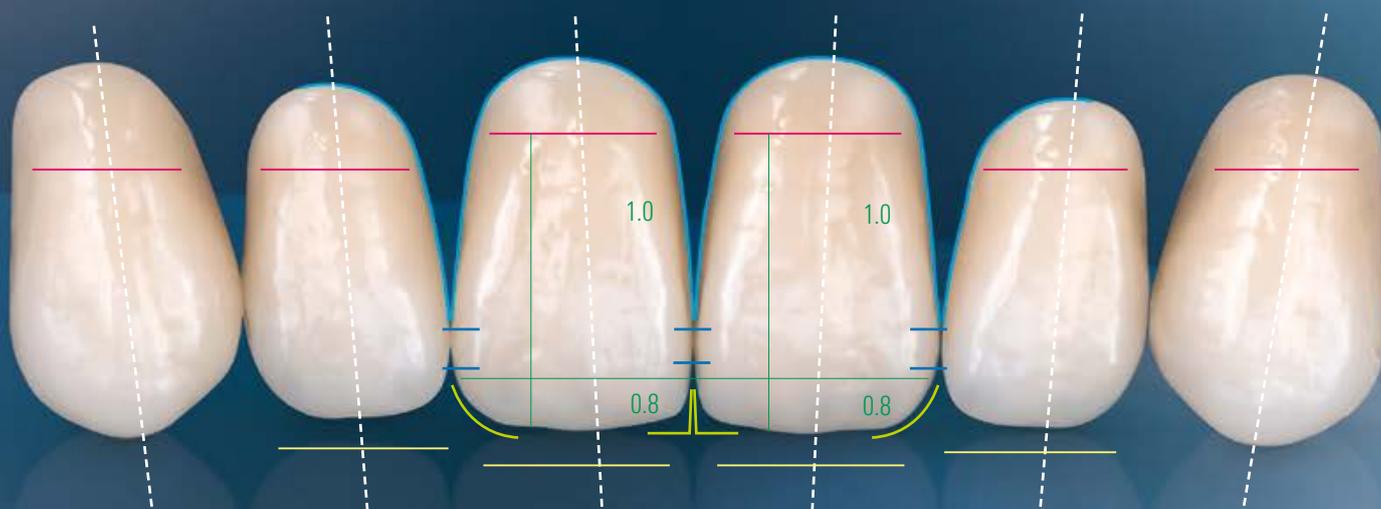
- ✓ Excellent shade accuracy in accordance with the VITA shade standard
- ✓ A harmonious shade transition



### VITAPAN EXCELL:

A new generation developed with a passion for detail

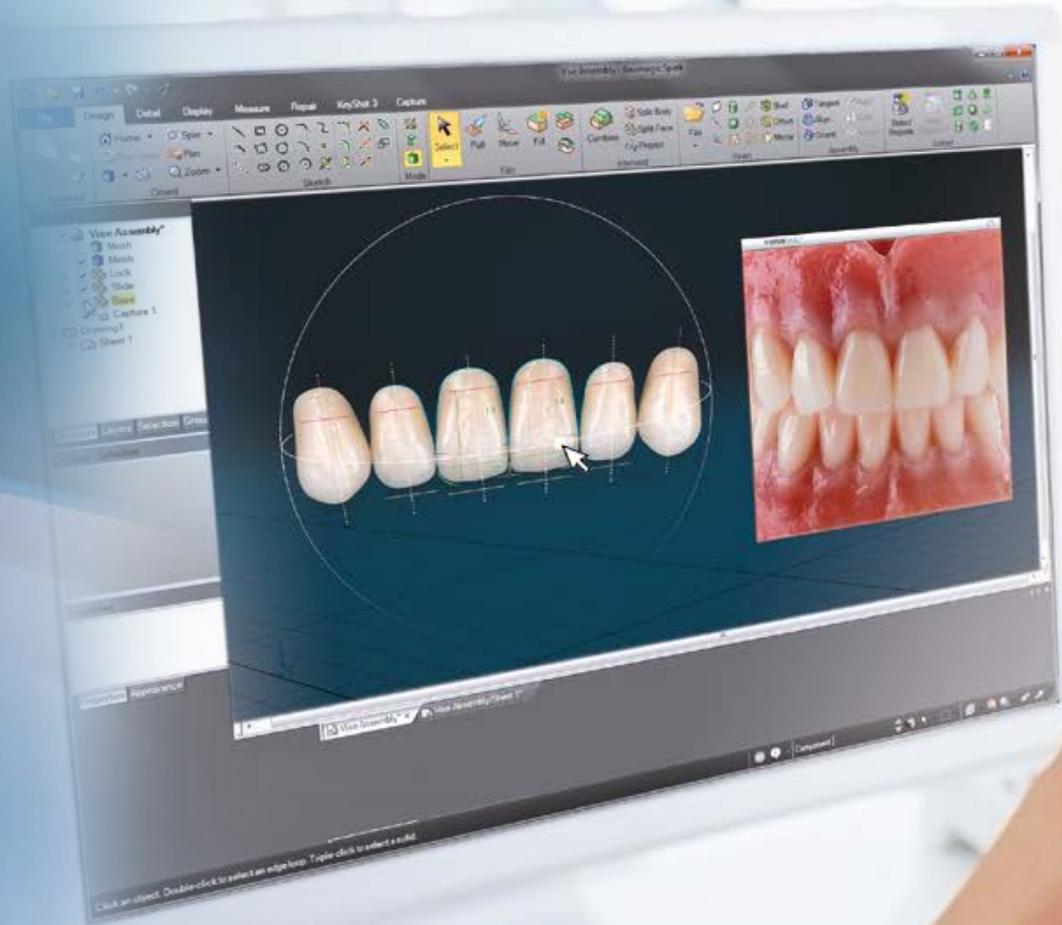
## THE PROSTHETIC TOOTH WITH GOLDEN PROPORTIONS



★ Tooth axes   ★ Contact surfaces   ★ Angle characteristics   ★ Cervical dimension   ★ Gingival margin   ★ Length-width ratio

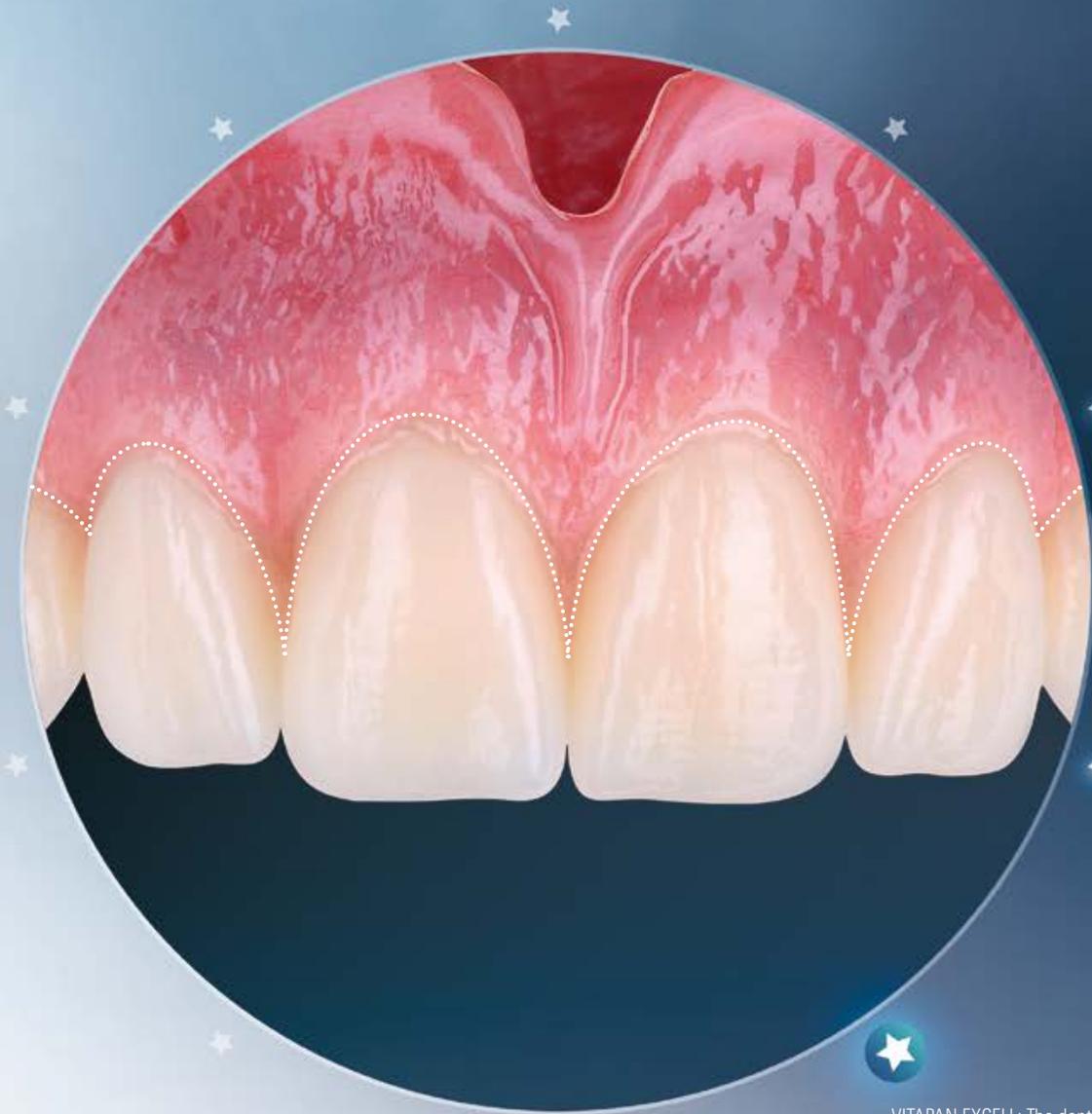
### VITAPAN EXCELL allows for:

- **Easy replication of the natural symmetry**  
thanks to moulds with a well-balanced length/width ratio
- **Convenient reproduction of the tooth position**  
thanks to anterior teeth with aligned tooth axes



VITAPAN EXCELL: Developed according to universal principles for natural, esthetic results

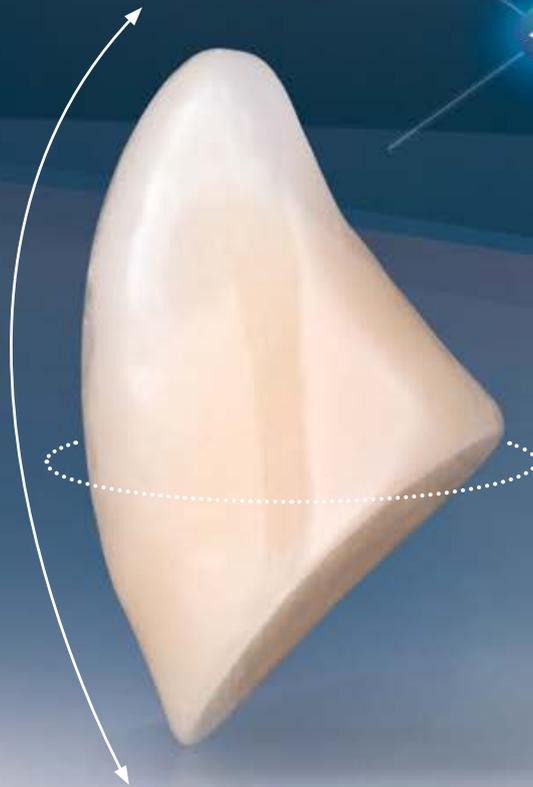
## DESIGNED BASED ON NATURAL TEETH



VITAPAN EXCELL: The denture tooth for professional modeling of interproximal areas and papilla

### VITAPAN EXCELL allows for:

- **Top-class gingiva modeling for optimum red-white esthetic** thanks to wide cervical dimensions

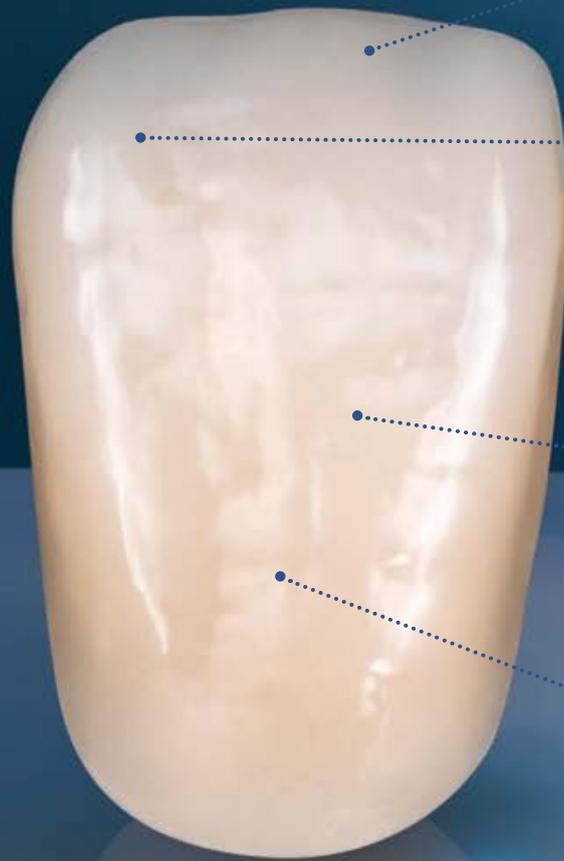


VITAPAN EXCELL offers natural curvature characteristics

**VITAPAN EXCELL allows for:**

- **Vitality in play of shape**  
thanks to moulds with natural angle/curvature characteristics

## FASCINATING PLAY OF SHADE AND LIGHT IN ALL FACETS



Fascinating natural vitality effects  
are produced by light and reflection

### VITAPAN EXCELL shows:

- **Good light transmission**  
thanks to pronounced enamel area
- **Light dynamics with vitality**  
thanks to the integrated opal effect
- **Brilliant play of light**  
thanks to a multifaceted surface texture

**Good light transmission**  
VITAPAN EXCELL shows a natural translucency in the incisal area for a natural play of light.

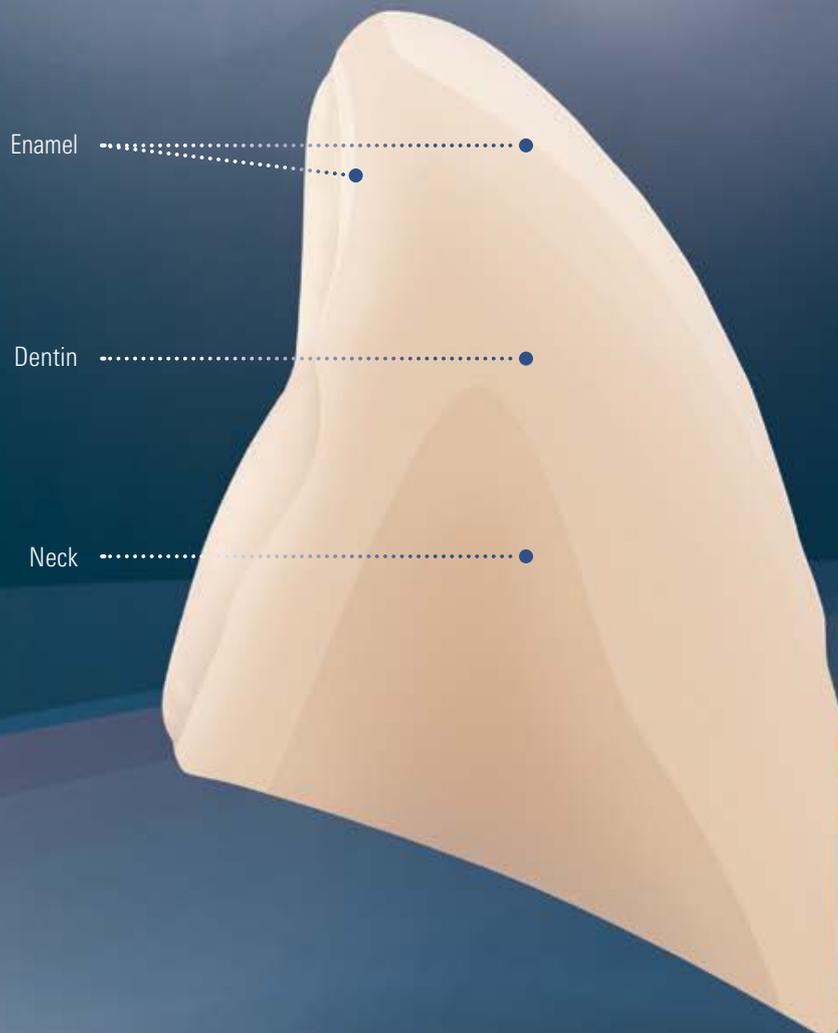
**Integrated mamelon/opalescence**  
Thanks to the integrated opal effect, VITAPAN EXCELL shows a variety of natural shade facets.

**Multifaceted surface texture**  
In order to ensure natural diffusion and reflection of light, VITAPAN EXCELL has a multifaceted surface texture.

**natural fluorescence**  
VITAPAN EXCELL offers impressive light dynamics, thanks to integrated fluorescence.



## NATURAL EFFECT, HARMONIOUS TRANSITION



### VITAPAN EXCELL offers:

- **Harmonic shade transmission from cervical area to incisal edge**  
thanks to its unique 3D shade layering\*

\*) Systematic diagram of the VITAPAN EXCELL layer structure

VITAPAN EXCELL ◀ ▶ VITA shade standard



A3

Excellent shade accuracy is particularly important in a denture tooth, especially when adjacent to natural dentition.

**VITAPAN EXCELL offers:**

- **Excellent shade accuracy in accordance with the VITA shade standard** thanks to matching lightness, chroma and hue values

## CONCEPTS AND INDICATIONS



### **Anterior/Posterior combination?**

A well-matched combination: VITAPAN EXCELL and VITAPAN LINGOFORM

- For outstanding prosthetics in terms of shape, shade and function
- Universal use in all prosthetic concepts, thanks to multifunctional design

### **Occlusion concepts?**

- For lingual/balanced occlusion concepts:  
e.g., according to Gysi, Prof. A. Gerber, APF/TiF, ABC

### **Indications?**

- Recommended for full and partial dentures
- Recommended for implant-supported dentures





## **CLINICAL EXAMPLES**

With VITAPAN EXCELL, function, phonetics and esthetics can be reliably reestablished. More information on examples of successful clinical outcomes can be found on the following pages.



With VITAPAN EXCELL, you can make a lasting impression on practitioners and patients.

## VITAPAN EXCELL® IN CLINICAL USE



➔ **INITIAL SITUATION:** The esthetic appearance shows clear deficits.



**1** Masticatory efficiency and phonetics were not satisfactory.



**2** The esthetically and functionally deficient dentures showed significant occlusal abrasions.



**3** An impression was taken of the alveolar ridges in the upper and lower jaw using prefabricated anatomical impression trays.



**4** Seating of the individual impression trays must also be ensured during muco-dynamic movements.



**5** A retentive undercut was incorporated in the wax rim (lower jaw) to secure the registration silicone.



**6** Triangular grooves in the bite template (upper jaw) allowed for clinical repositioning and centric verification.



**7** The centric condylar position was fixed with registration silicone and then checked.



**8** Since VITAPAN EXCELL is modeled on natural dentition, a quick and individual wax setup is possible.



**9** The patient was able to pronounce the letter "F" without difficulty with the wax try-in.



**10** The three-dimensional, anatomically layered structure, combined with the multifaceted surface texture, allowed a natural play of shade and light.



**RESULT:** The patient was pleased with the highly esthetic result and the functionality of her new restoration.



## FACTS AND FEATURES

**VITAPAN EXCELL®** is a laboratory-tested denture tooth developed by technicians, for technicians. Now you can find out more about its materials, manufacturing process and lab users.





With VITA denture teeth, you can rely on the highest production standards and fully tested quality

## VITAPAN EXCELL® – 100 % GERMAN DENTAL ENGINEERING BY VITA



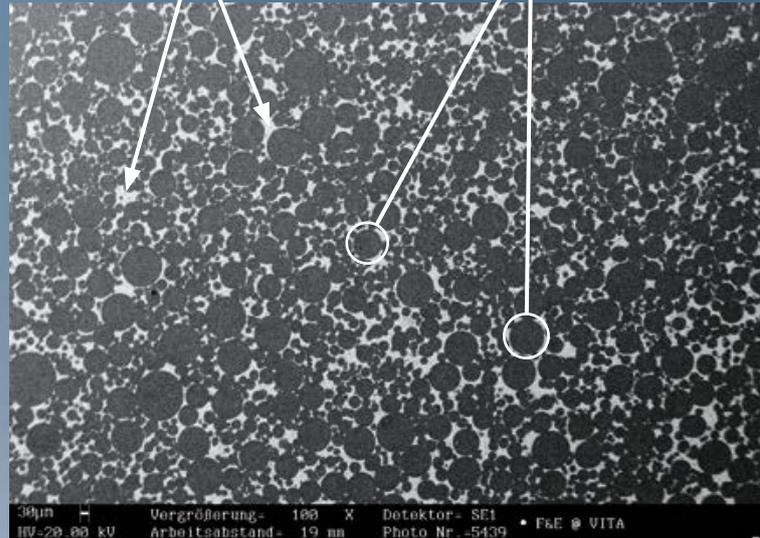
### Development, design and mould construction

Optimized for practical use

VITAPAN EXCELL was designed and constructed based on natural teeth. VITA's developers and engineers received input and ideas for the product from experienced dental technicians all around the world.

Matrix with polymerized  $\text{SiO}_2$

PMMA pearls



REM image of VITA MRP composite material; source: VITA R&D



### MRP composite material

For high durability

The VITAPAN EXCELL denture tooth is made of MRP (Microfiller-Reinforced Polymer matrix) composite material and has a highly cross-linked polymer matrix with homogeneously distributed, polymerized silicon dioxide filler particles.



### Modern manufacturing process

For top quality

VITAPAN EXCELL is manufactured at the VITA Zahnfabrik headquarters in south Germany, according to the strictest production and quality standards, to ensure that the prosthetics offer lasting reliability.



### Lab testing

For reliable use

Prior to its launch, VITAPAN EXCELL was tested in a number of labs around the world in order to ensure the quality and reliability of the denture tooth.



German engineering combined with clinical expertise in dental technology – since 1924

**LABORATORY-TESTED: 96% SATISFACTION WITH VITAPAN EXCELL®**

**Expert opinions on the esthetic appearance of VITAPAN EXCELL®**

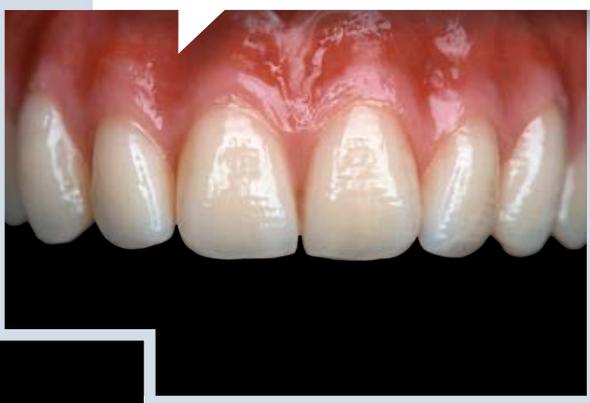
*"The shape and surface texture are beautiful, everything looks very natural!"*

Urban Christen, DD, dentist, Hunzenschwil, Switzerland



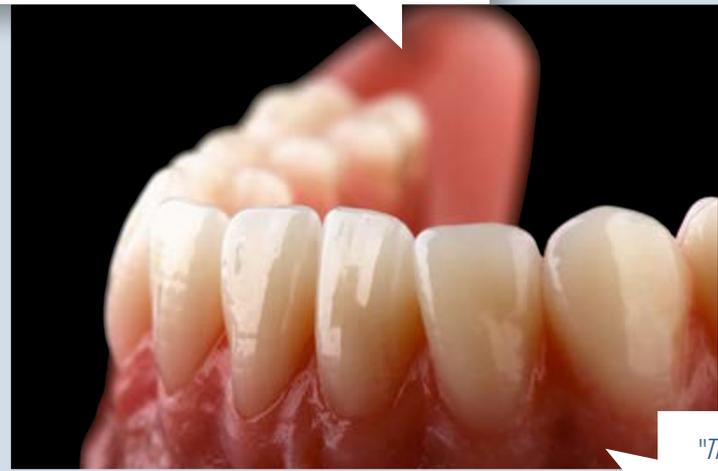
*"The texture, the shade transition, the dentin-incisal ratio ... it all gives the tooth a great vitality!"*

Daniel Sperlich, MDT, Freiburg, Germany



*"The combination of layering, translucence, texture and brilliance are what makes the denture tooth so lifelike!"*

Conrad Frerichs, MDT, Oldenburg, Germany



*"The really interesting thing about VITAPAN EXCELL is its lifelike shape and shade."*

Berit Hantusch, DT, Bautzen, Germany



*"What I particularly like about VITAPAN EXCELL  
is the lifelike, natural shape of the tooth"*

Benjamin Strasser, DT, Regensburg, Germany

#### Results according to beta testing by dental technicians\*

- **96% satisfaction with esthetic appearance**  
96% of the technicians included in the survey rated the esthetic appearance of VITAPAN EXCELL as "good" or "very good"
- **Shape, shade and texture rated especially high**  
The technicians in the survey were particularly impressed with the shape, shade and surface texture of VITAPAN EXCELL

\*) Source: Survey as part of VITAPAN EXCELL testing in selected dental laboratories (N=25),  
Study and report: 4eins41 Corporate Management and Market Research, 10/2016 ([1], see back of brochure)

Image source: VITAPAN EXCELL denture by Franz Hoppe, Master Dental Technician, Saerbeck, Germany; photo documentation by Marita Heeren, Oldenburg, Germany.



## **SYSTEM AND COMPONENTS**

Now let's take a closer look at the variety of shades and shapes, recommended combinations and available system components.



For generations, dental technicians and VITA have been united by a passion for prosthetic solutions.



# SHADES AND MOULDS

## VITAPAN EXCELL® Anterior

### > Available shades?

- 28 x VITA SYSTEM 3D-MASTER® shades  
0M1, 0M3, 1M1 – 5M3\*
- 15 x VITA classical A1–D4® shades  
A1–D4 (without B1)

## VITAPAN® LINGOFORM Posterior

### > Available shades?

- 27 x VITA SYSTEM 3D-MASTER® shades  
0M3, 1M1 – 5M3
- 15 x VITA classical A1–D4® shades  
A1–D4 (without B1)

VITAPAN EXCELL UJ-Anterior						
 ovoid	<b>041</b>  9.1 7.4	<b>043</b>  9.1 7.9	<b>045</b>  9.7 8.4	<b>047</b>  10.3 8.6	<b>049</b>  10.9 9.0	<b>051</b>  12.3 9.3
	<b>T42</b>  9.5 7.7	<b>T44</b>  9.9 8.1	<b>T46</b>  10.4 8.2	<b>T47</b>  10.9 8.5	<b>T48</b>  11.3 8.8	<b>T50</b>  11.6 9.2
 rectangular	<b>R45</b>  9.9 8.2	<b>R47</b>  11.2 8.6	<b>R49</b>  11.7 8.9			
	<b>S46</b>  10.3 8.5					
VITAPAN EXCELL LJ-Anterior						
	<b>L33</b>  8.6 5.0	<b>L35</b>  9.0 5.2	<b>L37</b>  9.4 5.2	<b>L39</b>  9.8 5.9	<b>L41</b>  10.2 6.2	

VITAPAN LINGOFORM Posterior			
<b>21L</b> 9.6 	<b>22L</b> 10.0 	<b>23L</b> 10.9 	<b>24L</b> 11.0 
 10.0	 10.2	 10.8	 11.2

\*) The shades 5M2 and 5M3 are expected in Q2/2022.

## RECOMMENDED COMBINATIONS

VITAPAN EXCELL Anterior		VITAPAN LINGOFORM Posterior	
UJ / No.  mm	LJ / No.  mm	UJ / No.  mm	LJ / No.  mm
<b>041</b> 41.3	<b>L33</b> 33.2	<b>21L</b> 30.1	<b>21L</b> 30.7
<b>043</b> 43.1	<b>L33</b> 33.2	<b>21L</b> 30.1	<b>21L</b> 30.7
<b>045</b> 45.1	<b>L35</b> 35.3	<b>22L</b> 31.6	<b>22L</b> 32.1
<b>047</b> 47.3	<b>L37</b> 37.3	<b>22L</b> 31.6	<b>22L</b> 32.1
<b>049</b> 49.1	<b>L39</b> 39.0	<b>23L</b> 34.2	<b>23L</b> 34.8
<b>051</b> 51.4	<b>L41</b> 41.2	<b>24L</b> 35.8	<b>24L</b> 36.4

VITAPAN EXCELL Anterior		VITAPAN LINGOFORM Posterior	
UJ / No.  mm	LJ / No.  mm	UJ / No.  mm	LJ / No.  mm
<b>T42</b> 42.0	<b>L33</b> 33.2	<b>21L</b> 30.1	<b>21L</b> 30.7
<b>T44</b> 44.1	<b>L33</b> 33.2	<b>21L</b> 30.1	<b>21L</b> 30.7
<b>T46</b> 46.2	<b>L35</b> 35.3	<b>22L</b> 31.6	<b>22L</b> 32.1
<b>T47</b> 46.9	<b>L37</b> 37.3	<b>22L</b> 31.6	<b>22L</b> 32.1
<b>T48</b> 48.1	<b>L37</b> 37.3	<b>22L</b> 31.6	<b>22L</b> 32.1
<b>T50</b> 50.0	<b>L39</b> 39.0	<b>24L</b> 35.8	<b>24L</b> 36.4
<b>T54</b> 54.4	<b>L41</b> 41.2	<b>24L</b> 35.8	<b>24L</b> 36.4

<b>R45</b> 45.4	<b>L35</b> 35.3	<b>22L</b> 31.6	<b>22L</b> 32.1
<b>R47</b> 47.0	<b>L37</b> 37.3	<b>22L</b> 31.6	<b>22L</b> 32.1
<b>R49</b> 49.1	<b>L39</b> 39.0	<b>23L</b> 34.2	<b>23L</b> 34.8
<b>S46</b> 46.3	<b>L35</b> 35.3	<b>22L</b> 31.6	<b>22L</b> 32.1

The information in the combination table is only intended as a general guide, and can vary depending on the patient's individual situation.

## ASSORTMENTS AND STORAGE



### VITAPAN EXCELL mould charts

Handy metal case with all moulds for selecting teeth:

- VITAPAN EXCELL Anterior

### VITAPAN EXCELL tooth storage

- X-small\*: 67 Sets/402 Anteriors
- Small\*: 134 Sets/804 Anteriors
- Medium\*: 268 Sets/1,608 Anteriors
- Large\*: 400 Sets/2,400 Anteriors

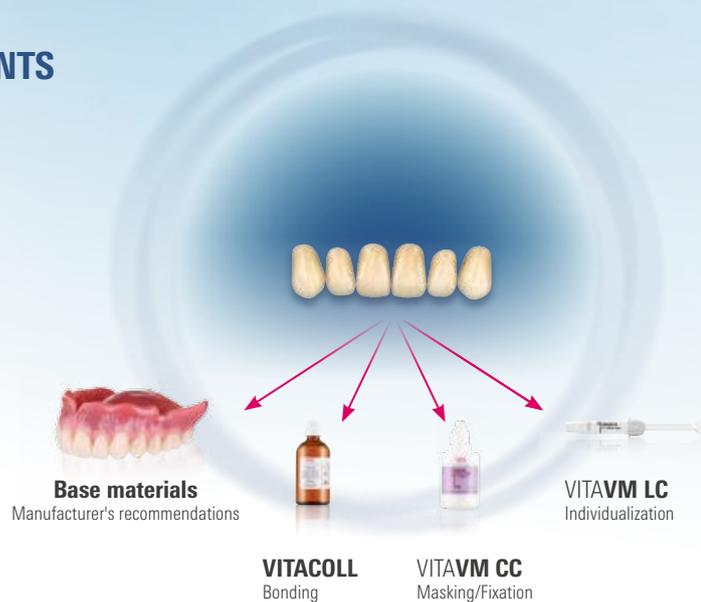
Available in VITA classical A1–D4® and VITA SYSTEM 3D-MASTER® shades.\*\*



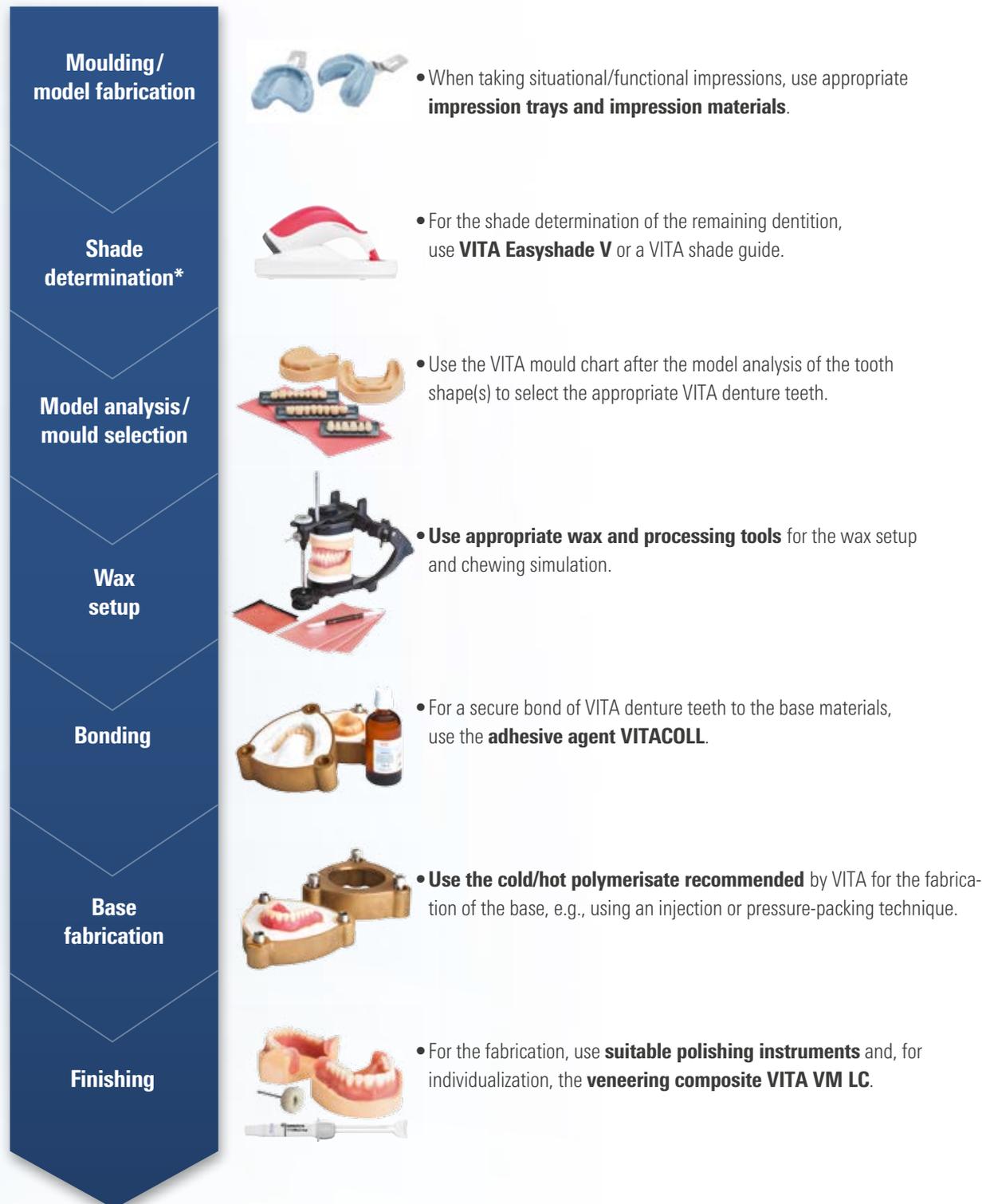
\*) We are also happy to create a tooth storage system according to your individual specifications.

\*\*) see available shades

## SYSTEM COMPONENTS



## IDEAL SOLUTIONS FOR THE TREATMENT WORKFLOW



\* ) Visual or technical shade determination only takes place if there is any remaining natural dentition.

## WE ARE HAPPY TO HELP

› More information about the products and processing is also available at [www.vita-zahnfabrik.com](http://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.

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



### Technical Hotline

If you have technical questions concerning VITA DENTURE 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 a.m. to 5 p.m. CET  
E-mail: [info@vita-zahnfabrik.com](mailto:info@vita-zahnfabrik.com)



## VITA PROSTHETIC SOLUTIONS

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

**Efficient CAD/CAM dentures for greater productivity.**



**Ideal variety of shade and moulds for all cases.**



**Solid, standard dentures with excellent cost efficiency.**



**VITAPAN EXCELL® (anterior)  
VITAPAN® LINGOFORM (Posterior)**

› **Vivid play of shape and shade for natural results.**

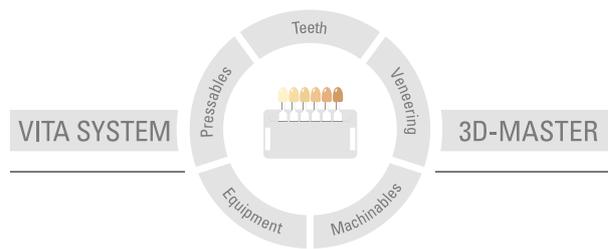
### **Manufacturing high-end dentures**

VITA PREMIUM PROSTHETIC offers you high-value MRP-composite teeth with a naturally vivid play of shape and shade for the ideal, highly esthetic full, partial and implant-retained dentures.

More information on VITAPAN EXCELL is available at:  
[www.vita-zahnfabrik.com/prosthetics](http://www.vita-zahnfabrik.com/prosthetics)

**1. VITAPAN EXCELL testing survey:**

4eins41 Corporate Management and Market Research  
Andreas Kuderer, Proprietor, Karlsruhe, Germany  
Report: 10/2016



**Please note:** Our products must be used in accordance with the instructions for use. We accept no liability for any damage 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 materials and equipment from other manufacturers that are not compatible or not authorized for use with our product and this results in damage. The VITA Modulbox is not necessarily a component of the product. Date of issue of this information: 2022-03

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

**CE0124:**

**VITAPAN EXCELL®, VITA AKZENT® LC, VITAPAN® LINGOFORM, VITACOLL®, VITAFOL®H, VITAVM®LC and VITAVM®CC**

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**MD**

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