

VITA



## VITAPAN EXCELL®

The prefabricated tooth for highly esthetic complete, partial and implant-retained dentures. Truly natural, truly lifelike.





## The advantages

### **Truly natural.**

The wide range of shapes and shades provides absolute freedom of choice and individuality.

### **Truly lifelike.**

The balanced light transmission results in true-to-life light dynamics. Natural fluorescence always comes from within the tooth, which is also the case with VITA premium teeth.

### **Truly strong.**

The VITA premium teeth made of high-quality MRP composite combine durability, improved polishing characteristics and natural esthetics.

Denture tooth

# VITAPAN EXCELL®

Truly natural. Truly lifelike. Truly strong.

VITAPAN EXCELL has an impressive, balanced overall composition and combines esthetic criteria such as natural shapes, good light transmission and a vibrant play of shades. This prefabricated tooth is exceptionally suited for highly esthetic complete, partial and implant-retained dentures. Can be ideally combined with VITAPAN LINGO-FORM posterior teeth for all common prosthetic concepts.

A new smile, new self-confidence and a genuine glow. There's no better feeling than being able to offer these benefits to a patient. This is possible with VITAPAN EXCELL. Truly natural, truly lifelike.



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## Implant-retained complete dentures

Dentist Dr. Babak Varzideh and  
Dental Technician Carolin Wehning, Bocholt,  
Germany

# Truly natural. Truly proportional.

## Individualized dentures

The wide variety of shades and shapes enables individualized solutions that meet the personal needs of patients.



*Dentist Dr. Iris Kraljevic, Zurich, Switzerland  
and Dental Technician Fernando Pasamontes,  
Zug, Switzerland*

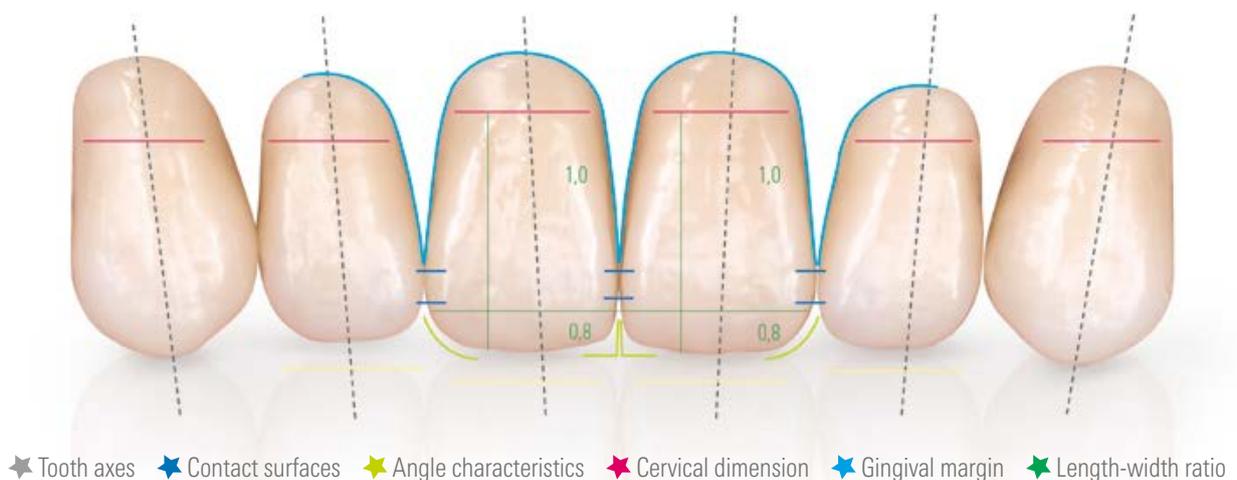


*Dentist Suchanun Rungrojanarak,  
Surat Thani, Thailand*

## The golden ratio: The formula for esthetic prosthetics

VITAPAN EXCELL was designed according to esthetic principles, taking into account the golden ratio and using "golden proportions."

Tooth axes, contact surfaces, angle characteristics, cervical dimensions, gingival margins, as well as length and width ratios, correspond to the esthetic rules of nature.





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# Truly lifelike. Truly versatile.

## Exceptional play of shade and light

Natural fluorescence ensures good lighting dynamics.



Distinctive incisal characteristics with a whitish incisal edge for natural esthetics. Thanks to the integrated opal effect, VITAPAN EXCELL exhibits the full spectrum of natural shade variations.



## Adjustable surface texture

A simple polish makes it easy to adapt the surface structure to suit the age of the patient.



Unpolished teeth:  
Young, pronounced structure



Briefly polished teeth:  
Less structure for age-appropriate dentures

## Well-proportioned

A wide tooth neck with a seamless transition to the crown of the tooth creates a harmonious interdental space and effectively covers any construction elements.



Natural tooth neck design. Different gingival contours are possible, thanks to the smooth transition from the neck to the crown of the tooth.



A wide tooth neck for professional interdental space/papilla modeling and effective coverage of any construction elements.

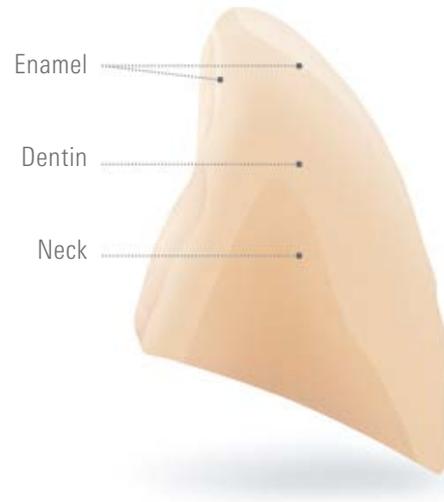
# Real experience inside.

## Truly well designed



Lifelike angle/curvature characteristics ensure a natural look. The inner geometry of the tooth has been optimized for the higher loads that can occur with implant-retained work.

## Special 3D layering



Three-dimensional anatomical layering and natural surface textures ensure a brilliant play of shade and light. Due to the layer structure, the shade remains stable even after a thin sanding.

## Reliable shade reproduction

Certainty when choosing the tooth shade, due to the PERFECT MATCH with the original VITA shade guides.

- 16 x VITA classical A1-D4 and
- 29 x VITA SYSTEM 3D-MASTER shades, including three bleached shades



## True-to-shade







*Image: Highfield Design, Lukas Wichmalek*



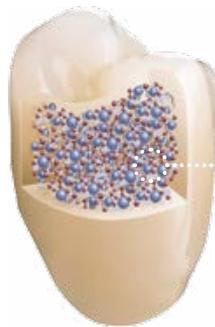
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# Truly impressive.

## Quality made in Germany

- VITA premium denture teeth are developed and produced in Germany, according to the highest quality standards.
- With VITAPAN EXCELL and VITAPAN LINGOFORM, the proven MRP composite (microfiller reinforced polymer matrix) ensures reliable grinding and high abrasion-resistance.
- The special pressing process ensures that the three layers of enamel, dentin and neck polymerize together uniformly and tightly at the same time: No flaking or chipping of the layers. Chipping is not an issue.

### Highly cross-linked polymer matrix with homogeneously distributed, polymerized silicon dioxide fillers



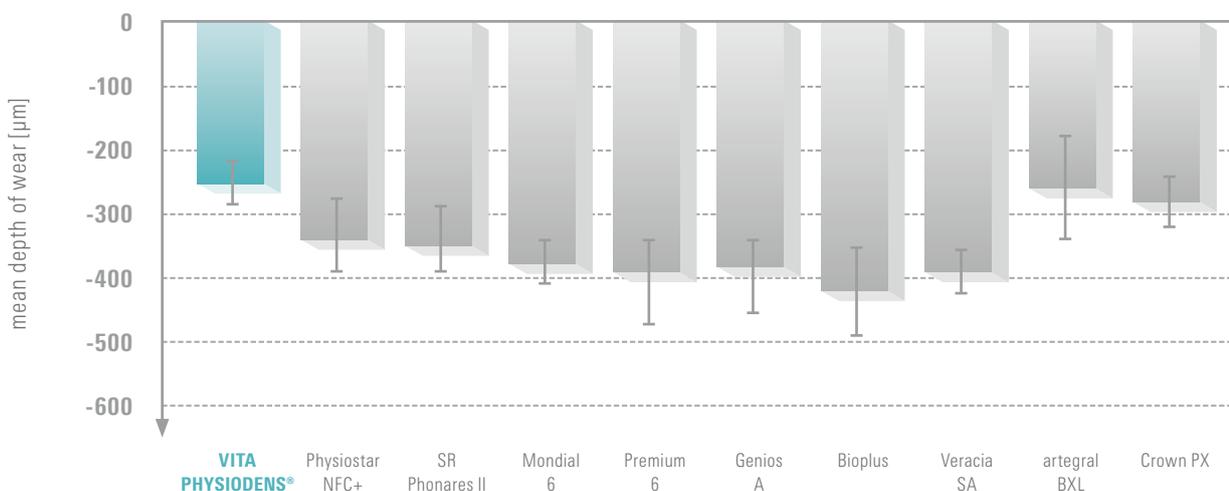
- PMMA**  
Proven for decades: polymethylmethacrylate.
- Silanized fillers**  
The SiO<sub>2</sub> filler improves the mechanical properties.
- Cross-linked matrix without MMA**  
The cross-linking provides for a good bonding of all the material components.

Schematic structure of MRP composite; Source VITA R&D

## Truly proven

In a pin-on-block wear test at the University of Regensburg, VITA PHYSIODENS was used as an example to show that VITA premium teeth have good chemistry. Out of the eight tooth lines that were compared, the VITA MRP technology showed significantly lower maximum wear than the competitor products.

### Wear study



Source: University of Regensburg, Germany, Prof. Dr. M. Rosentritt, Test Report No. 280\_2, Report 11/15 ([2] cf. 14. References)



## The advantages

### Truly functional.

Functionally designed occlusal areas promote optimal static alignment of the prosthesis, protect the tooth substance and offer a high level of comfort.

### Truly simple.

VITAPAN LINGOFORM is suitable for all setup concepts, including lingualized occlusion. The VITA Easy Centric principle facilitates a simple and intuitive setup with automatic centering.

### Truly esthetic.

The multiple layers and nature-identical surface morphology create a vibrant and harmonious light reflexive properties.

Denture tooth

# VITAPAN® LINGOFORM

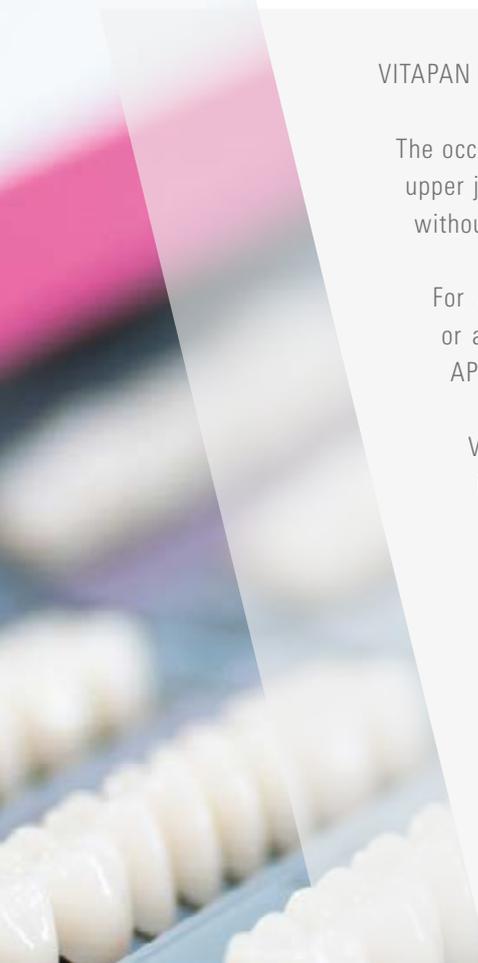
with **VITAPAN EXCELL®**: A truly strong team.

VITAPAN LINGOFORM perfectly combines function and esthetics.

The occlusal surfaces in the lower jaw have a functional cusp inclination. In the upper jaw, the slightly deeper occlusal surface reliefs are modeled after nature without impairing the function.

For all common setups (lingualized or buccal contacts), as well as balanced or anterior-cuspid guided concepts, e.g. according to Gysi, Prof. Dr. A. Gerber, APF/TiF or ABC.

VITAPAN LINGOFORM is particularly suitable for lingualized placement of implant-retained dentures. As a result of being reduced to a minimum, the horizontal shear forces can protect the implants.



Buccal occlusion



Multifunctional  
chewing surface design for  
all prosthetic concepts



Lingualized occlusion



For details,  
see Setup  
brochure

# Variety of shapes

29 x VITA SYSTEM 3D-MASTER shades  
(0M1, 0M2, 0M3, 1M1 - 5M3)

16 x VITA classical A1-D4 shades



# of VITAPAN EXCELL®.

## Anterior maxilla



ovoid



rectangular

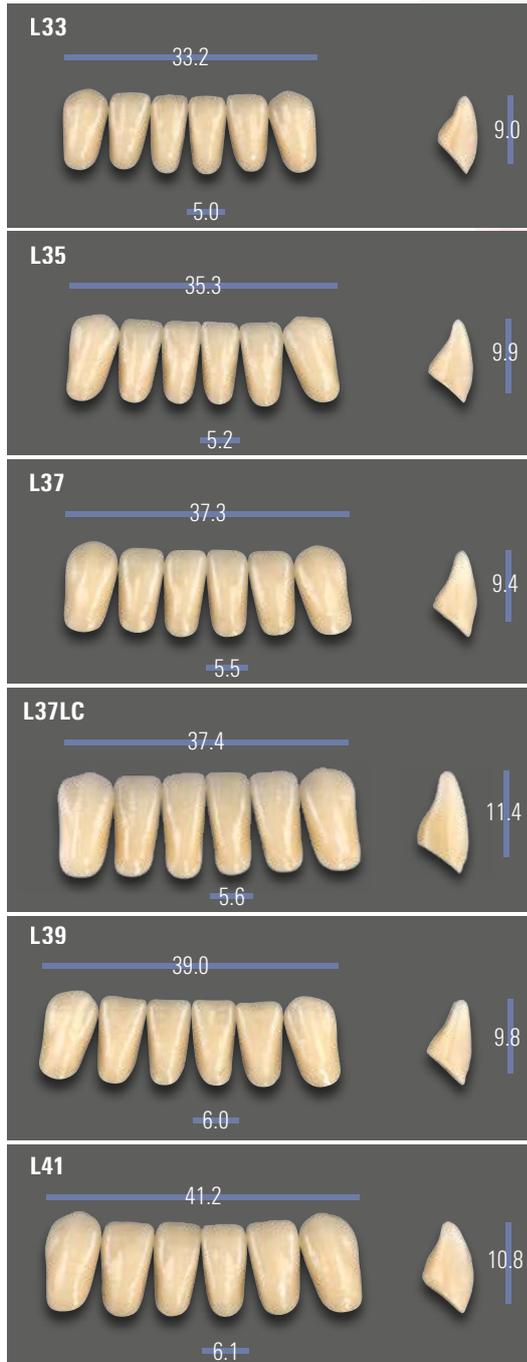


# Variety of shapes of **VITAPAN EXCELL**®.

## Anterior maxilla



## Anterior mandible





VITA

VITA LINGOFORM

0 M3

A51M2

VITA

LOT 03

VITA LINGOFORM

1 M1

~ B1

VITA

LOT 03

VITA LINGOFORM

M1

VITA

LOT 03

VITA LINGOFORM

VITA

LOT 03

VITA

A51M2

- B1

VITA

VITA

A52M12

M1

VITA

VITA

M2

VITA

# Variety of shapes of **VITAPAN**<sup>®</sup> LINGOFORM.

29 x VITA SYSTEM 3D-MASTER shades  
(0M1, 0M2, 0M3, 1M1 - 5M3)

16 x VITA classical A1-D4 shades

## Posterior



# Combination table.

## Recommended combinations

<b>VITAPAN EXCELL®</b> Anterior	<b>UJ / No.</b>  mm	<b>041</b> 41.3	<b>043</b> 43.1	<b>045</b> 45.1	<b>047</b> 47.3	<b>048</b> 48.1	<b>049</b> 49.1	<b>051</b> 51.4	
	<b>LJ / No.</b>  mm	<b>L33</b> 33.2	<b>L33</b> 33.2	<b>L35</b> 35.3	<b>L37</b> 37.3	<b>L37/L37LC</b> 37.3/37.4	<b>L39</b> 39.0	<b>L41</b> 41.2	
<b>VITAPAN® LINGOFORM</b> Posterior	<b>UJ / No.</b>  mm	<b>21L</b> 30.1	<b>21L</b> 30.1	<b>22L</b> 31.6	<b>22L</b> 31.6	<b>22L</b> 31.6	<b>23L</b> 34.2	<b>24L</b> 35.8	
	<b>LJ / No.</b>  mm	<b>21L</b> 30.7	<b>21L</b> 30.7	<b>22L</b> 32.1	<b>22L</b> 32.1	<b>22L</b> 32.1	<b>23L</b> 34.8	<b>24L</b> 36.4	
<b>VITAPAN EXCELL®</b> Anterior	<b>UJ / No.</b>  mm	<b>T42</b> 42.0	<b>T44</b> 44.1	<b>T46</b> 46.2	<b>T47</b> 46.9	<b>T48</b> 48.1	<b>T50</b> 50.0	<b>T51</b> 51.4	<b>T54</b> 54.4
	<b>LJ / No.</b>  mm	<b>L33</b> 33.2	<b>L33</b> 33.2	<b>L35</b> 35.3	<b>L37</b> 37.3	<b>L37</b> 37.3	<b>L39</b> 39.0	<b>L39</b> 39.0	<b>L41</b> 41.2
<b>VITAPAN® LINGOFORM</b> Posterior	<b>UJ / No.</b>  mm	<b>21L</b> 30.1	<b>21L</b> 30.1	<b>22L</b> 31.6	<b>22L</b> 31.6	<b>22L</b> 31.6	<b>24L</b> 35.8	<b>23L</b> 34.2	<b>24L</b> 35.8
	<b>LJ / No.</b>  mm	<b>21L</b> 30.7	<b>21L</b> 30.7	<b>22L</b> 32.1	<b>22L</b> 32.1	<b>22L</b> 32.1	<b>24L</b> 36.4	<b>23L</b> 34.8	<b>24L</b> 36.4
<b>VITAPAN EXCELL®</b> Anterior	<b>UJ / No.</b>  mm	<b>R45</b> 45.4	<b>R47</b> 47.0	<b>R49</b> 49.1	<b>S46</b> 46.3	<b>S48</b> 47.9	<b>S52</b> 52.1		
	<b>LJ / No.</b>  mm	<b>L35</b> 35.3	<b>L37</b> 37.3	<b>L39</b> 39.0	<b>L35</b> 35.3	<b>L37</b> 37.3	<b>L41</b> 41.2		
<b>VITAPAN® LINGOFORM</b> Posterior	<b>UJ / No.</b>  mm	<b>22L</b> 31.6	<b>22L</b> 31.6	<b>23L</b> 34.2	<b>22L</b> 31.6	<b>22L</b> 31.6	<b>23L</b> 34.2		
	<b>LJ / No.</b>  mm	<b>22L</b> 32.1	<b>22L</b> 32.1	<b>23L</b> 34.8	<b>22L</b> 32.1	<b>22L</b> 32.1	<b>23L</b> 34.8		

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



# Suitable solutions for processes.



## Shade determination

Shade determination with the VITA Easyshade V, VITA Easyshade LITE or the VITA shade guides.



## Shape determination

Select the appropriate tooth shape from your tooth storage. The shape can also be determined with the living mould chart.



## VITAPAN EXCELL® and VITAPAN® LINGOFORM

PERFECT MATCH for esthetics in the anterior region and function in the posterior region.



## Bonding

Use VITACOLL as a reliable adhesive agent between the VITA denture teeth and the denture base. VITAFOL is the suitable silicone insulation material for this.



## Characterization

Characterize your denture with the light-curing microparticle composite VITA VM LC flow. The light-curing stains VITA AKZENT LC are also available for characterization.



# We are happy to help.

## Hotline Sales Support

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## Please note:

Our products must be used according to the instructions for use. We cannot be held liable for damages 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 application. 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 Module Box is not a necessary part of the product. Publication of this product brochure: 02/24

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](http://www.vita-zahnfabrik.com)

VITA Zahnfabrik is certified, and the following products bear the **CE 0124** mark: **VITAPAN EXCELL®**, **VITAPAN® LINGOFORM**

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## References

### Internal studies, VITA R&D:

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Dr. Berit Gödiker, project manager for VITA R&D,  
VITA Zahnfabrik, Bad Säckingen

### Detailed test data

See technical and scientific documentation  
Download at [www.vita-zahnfabrik.com](http://www.vita-zahnfabrik.com)



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



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