



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.

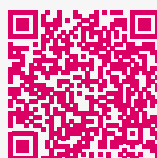
Denture tooth

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*

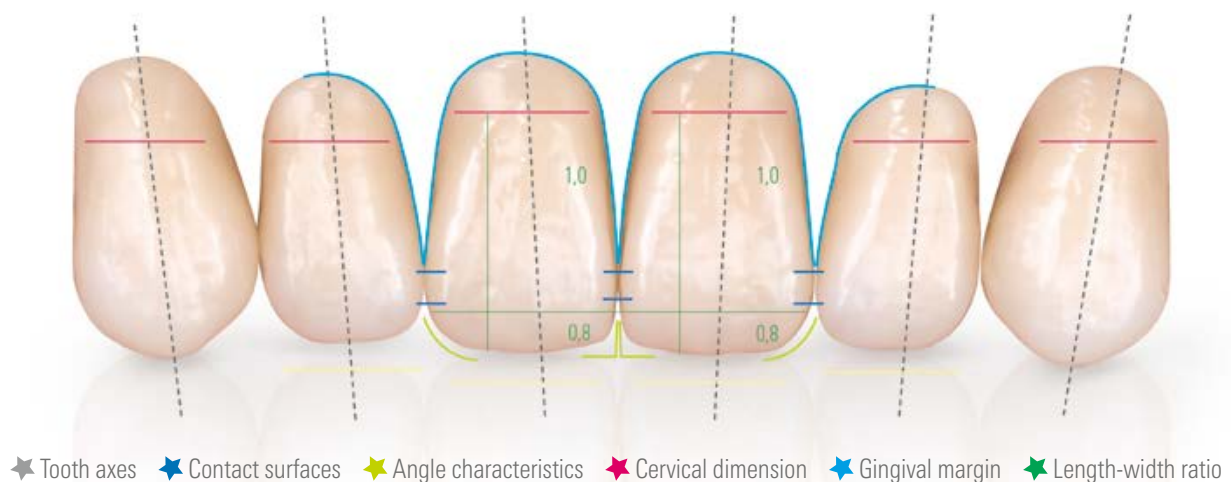


*Dentist Suchanun Rungrojanarak,
Surat Thani, Thailand*

The golden ratio: The formula for esthetic prosthetics

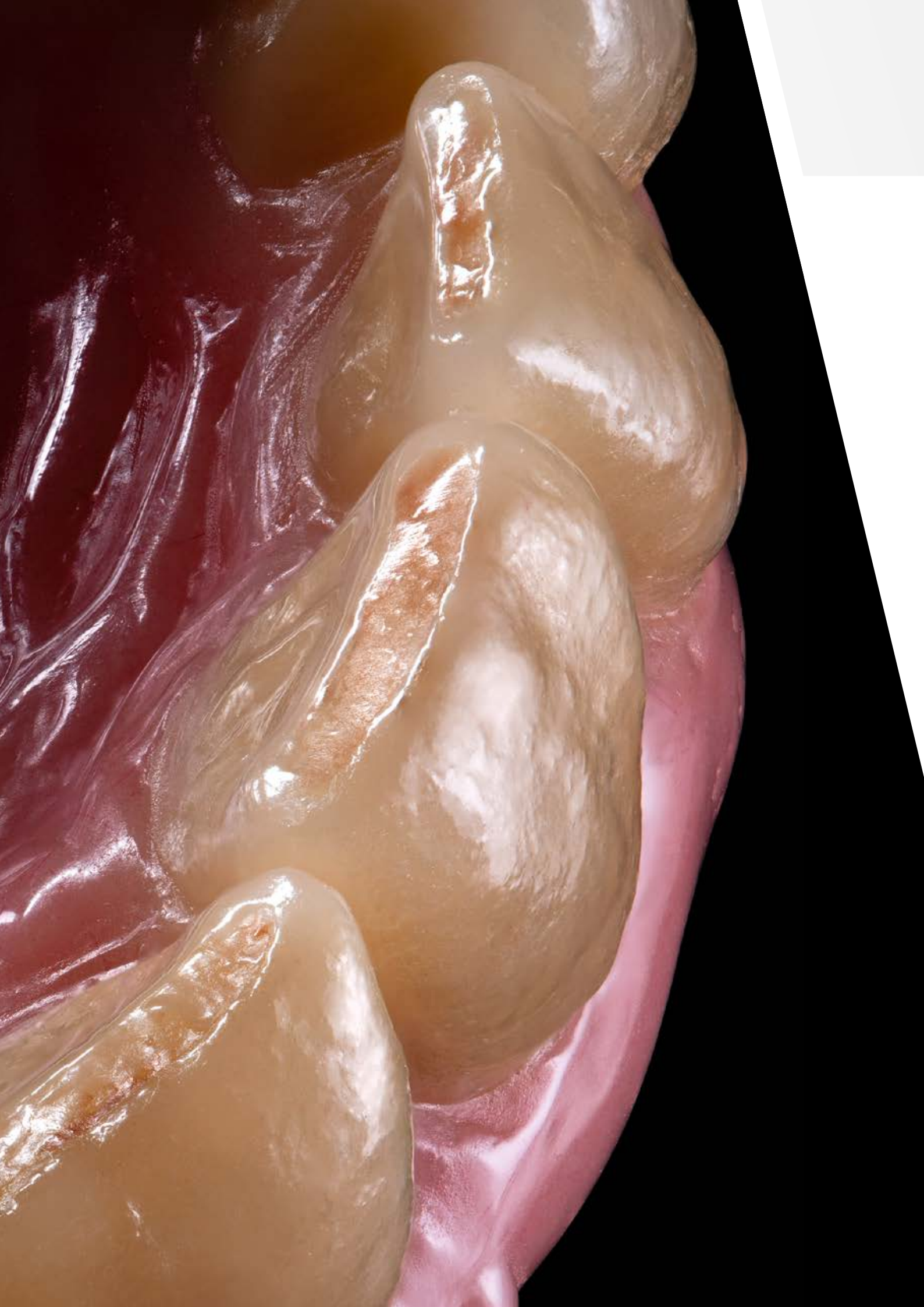
VITAPAN EXCELL was designed according to esthetic principles, taking into account the golden ratio and using "golden proportions."

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





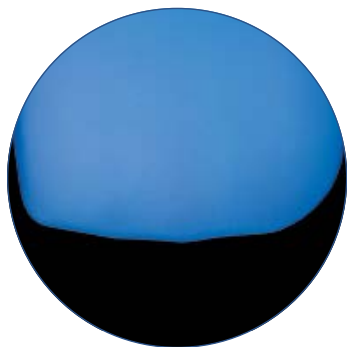
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Truly lifelike. Truly versatile.

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.

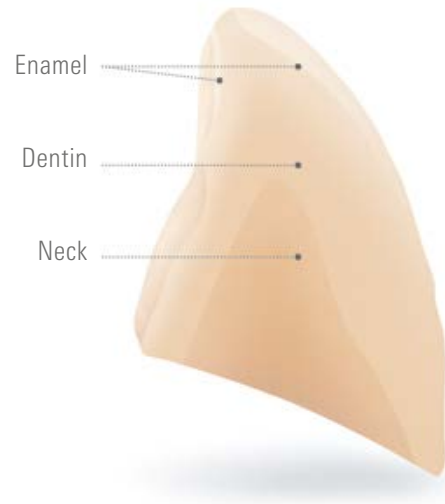
Real experience inside.

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 Wichnalek



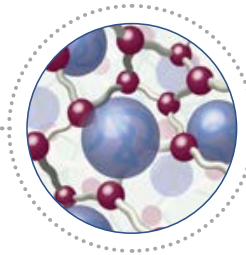
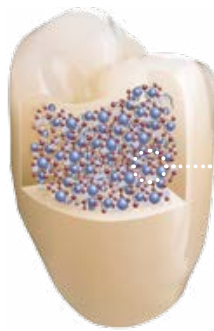
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Truly impressive.

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 SiO₂ filler improves the mechanical properties.



Cross-linked matrix without MMA

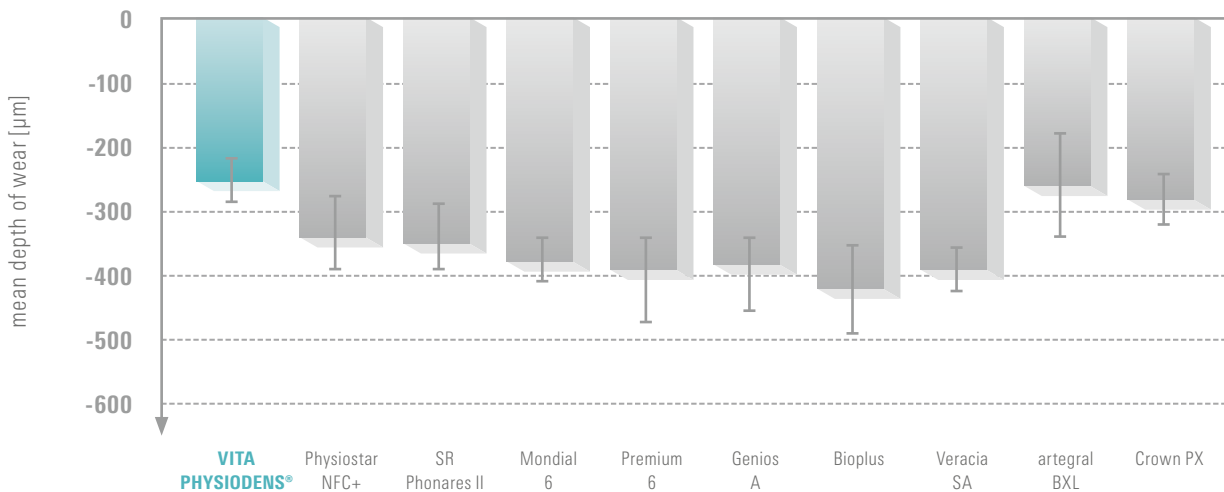
The cross-linking provides for a good bonding of all the material components.

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.

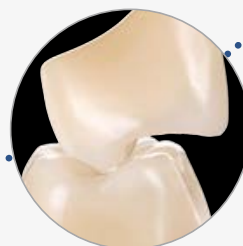
VITAPAN LINGOFORM is particularly suitable for lingualized placement of implant-retained dentures. As a result of being reduced to a minimum, the horizontal shear forces can protect the implants.



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

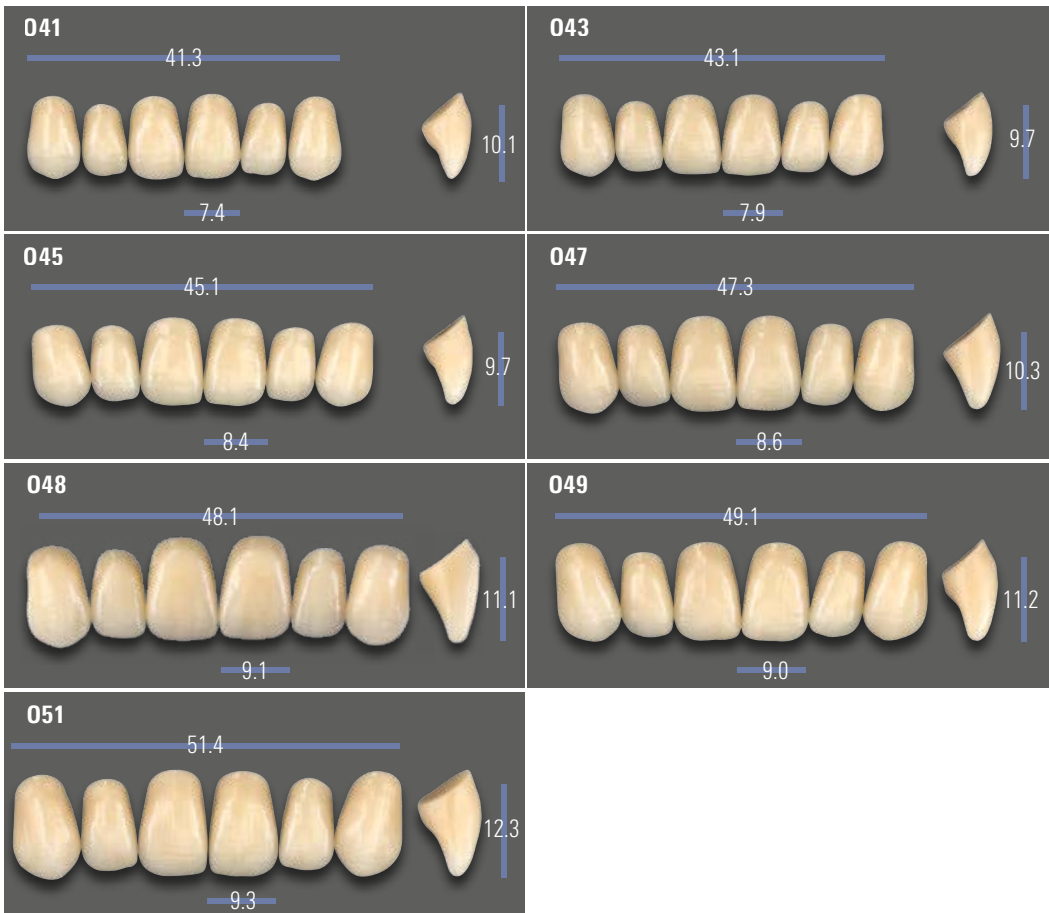


of VITAPAN EXCELL®.

Anterior maxilla



ovoid



rectangular



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

Anterior maxilla



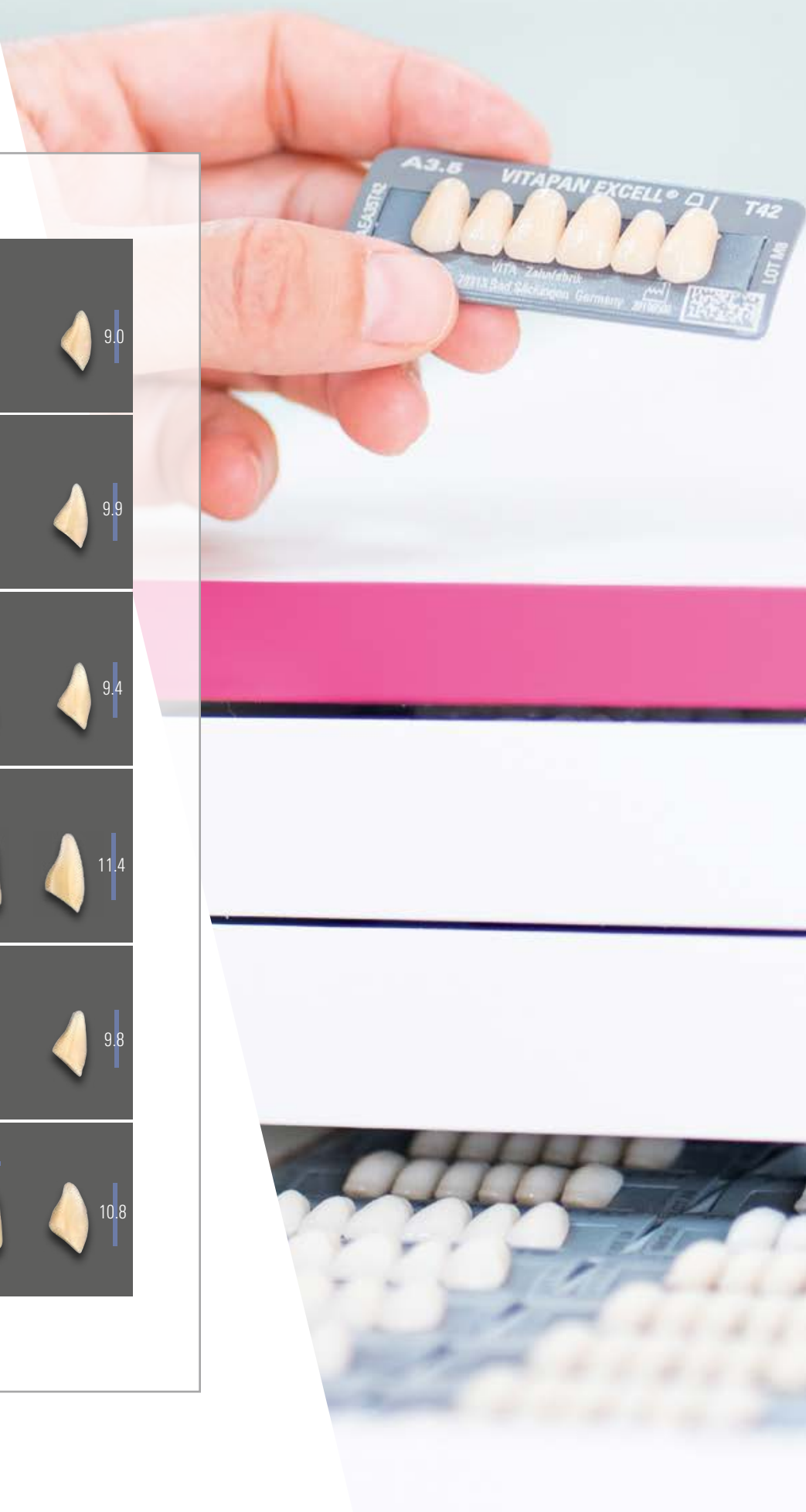
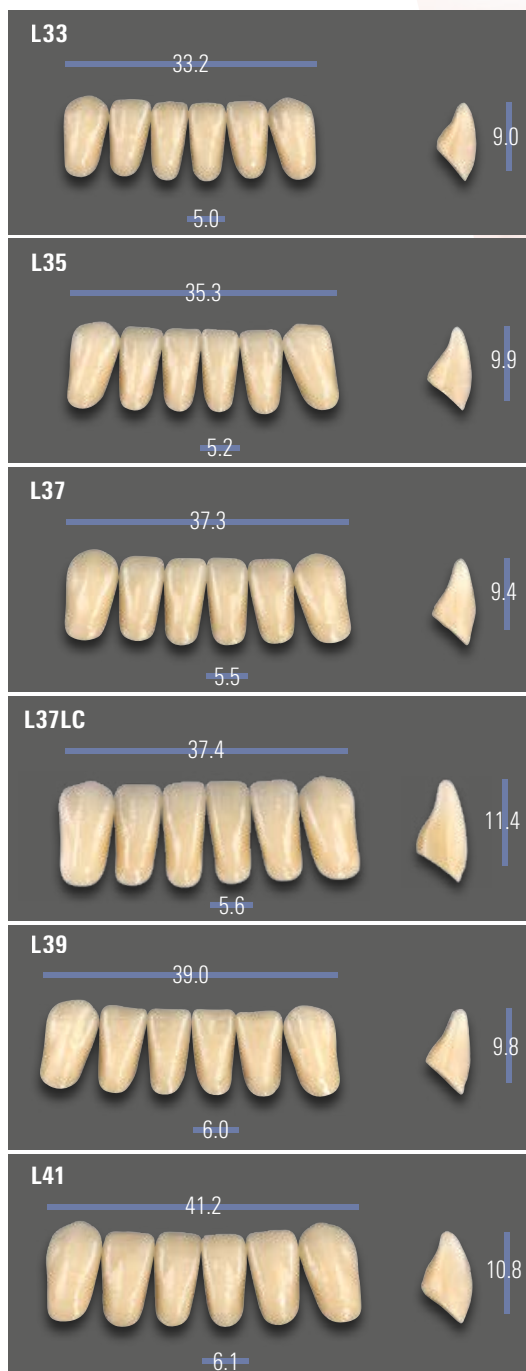
triangular



square



Anterior mandible





VITA

VITA LINGOFORM

0 M3

VITA LINGOFORM

A50M22

VITA

1 M1
~ B1

VITA LINGOFORM

VITA

M1

VITA LINGOFORM

LOT 03

A52M122

VITA

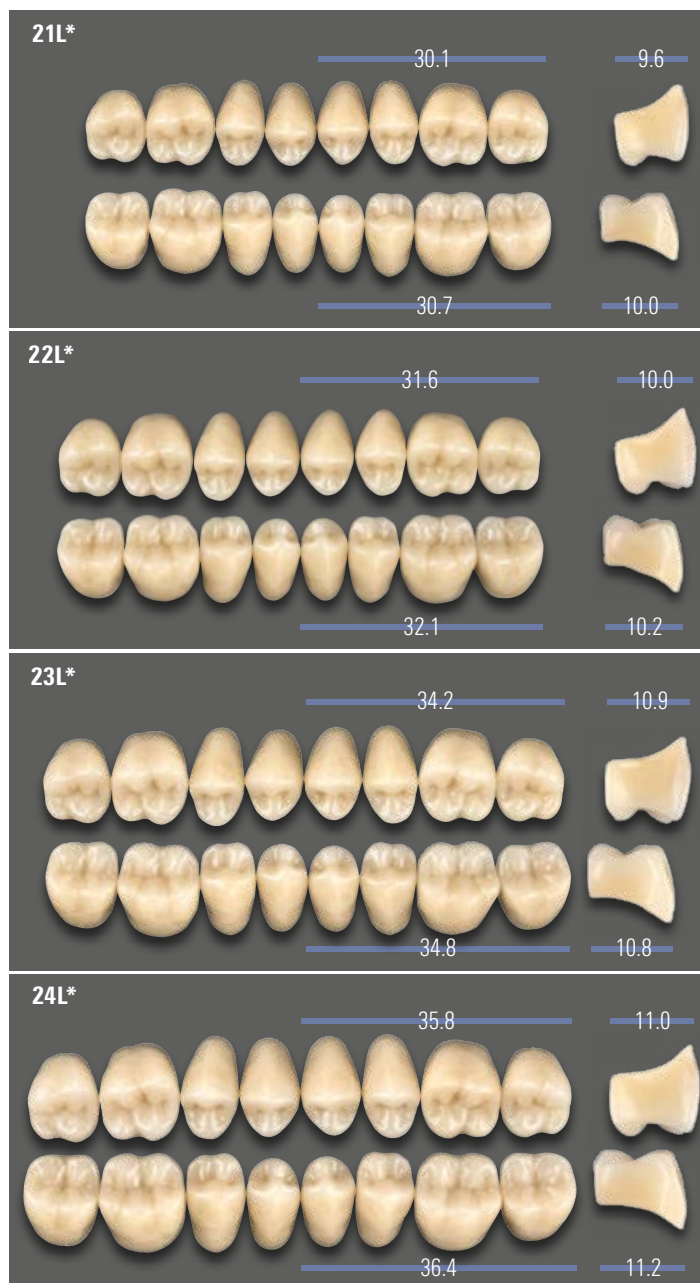
2 M2

Variety of shapes of **VITAPAN®** 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

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

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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 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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Detailed test data

See technical and scientific documentation
Download at www.vita-zahnfabrik.com



More information on
VITAPAN EXCELL
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