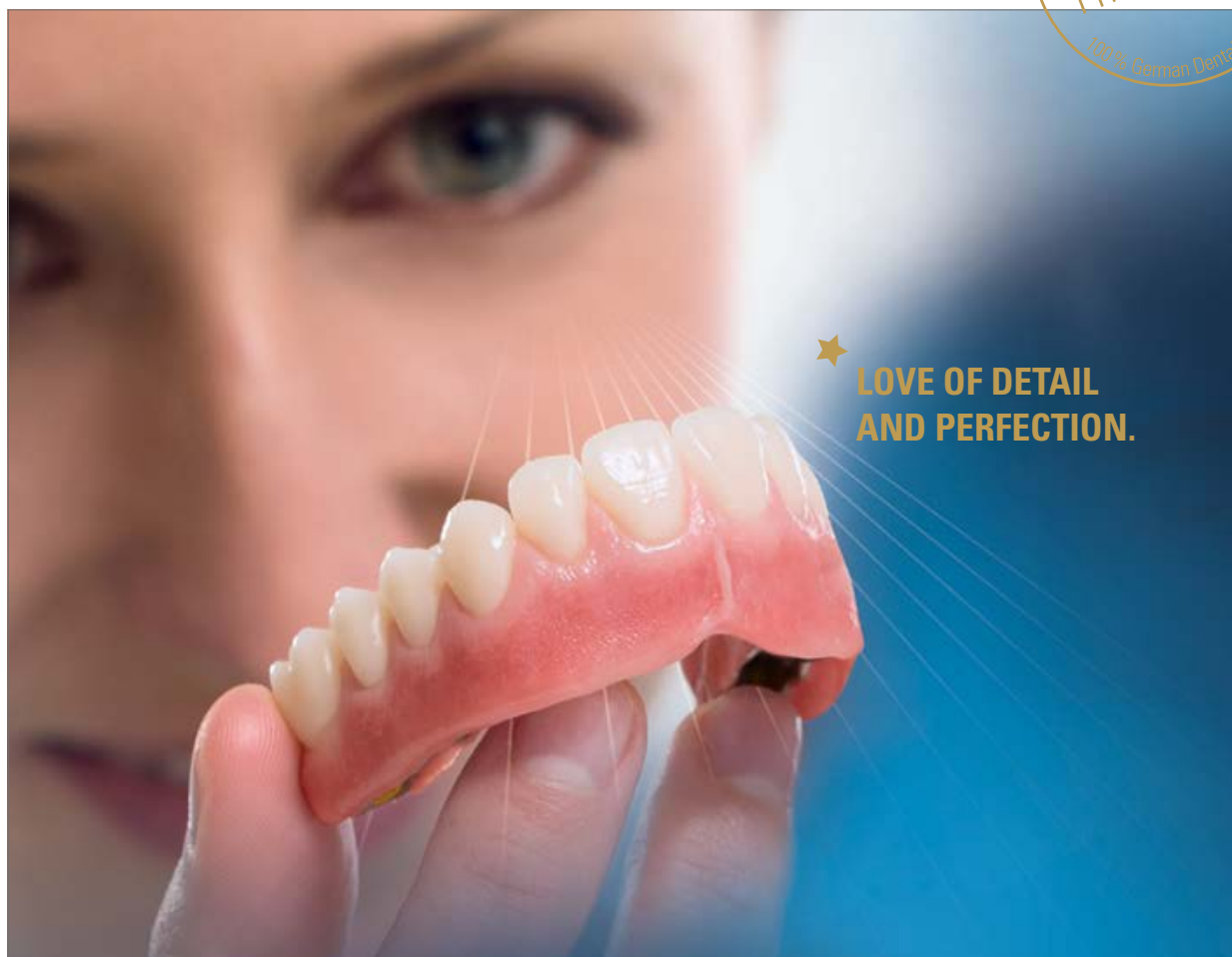
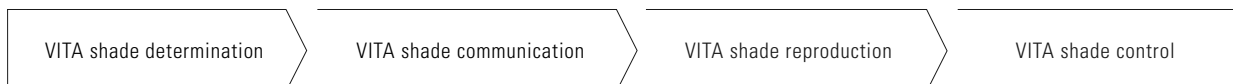


VITA PHYSIODENS®

Designed down to the last detail to mimic nature diversity.



★ **LOVE OF DETAIL
AND PERFECTION.**



Date of issue: 01.18

VITA – perfect match.

VITA

CONCEPT AND BENEFITS

VITA PHYSIODENS® are premium denture teeth with intricate, lifelike moulds and a lively play of light for harmonious integration into the remaining dentition. Discover the advantages below.



★ *Love of detail
and perfection.*

M2 A2
VITA PHYSIODENS®
T6L
VITA
© 2018 Vita Zahnfabrik
Friedrichshafen, Germany

DETAILED, LIFE LIKE AND SIMILAR TO NATURAL ESTHETICS

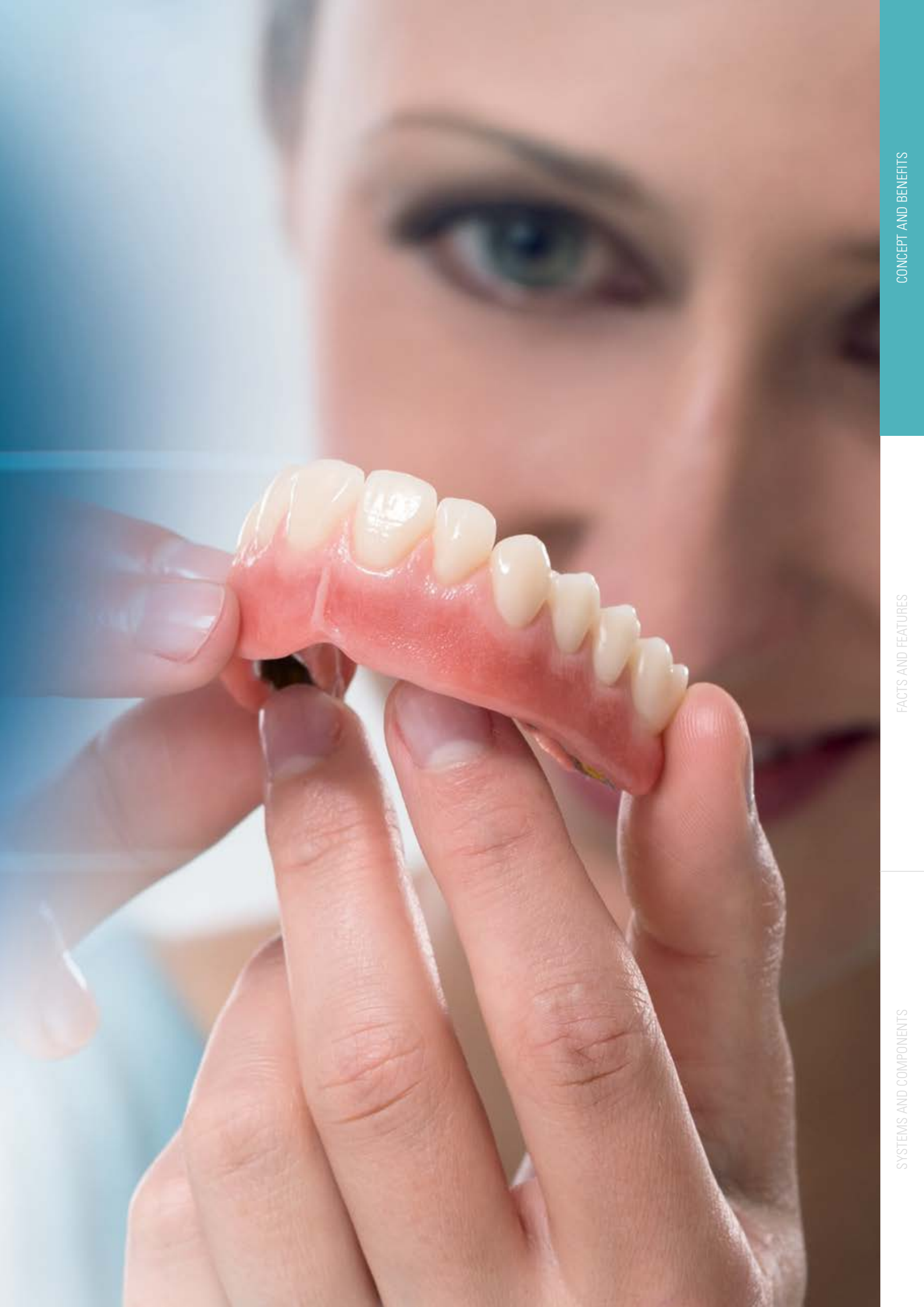


What?

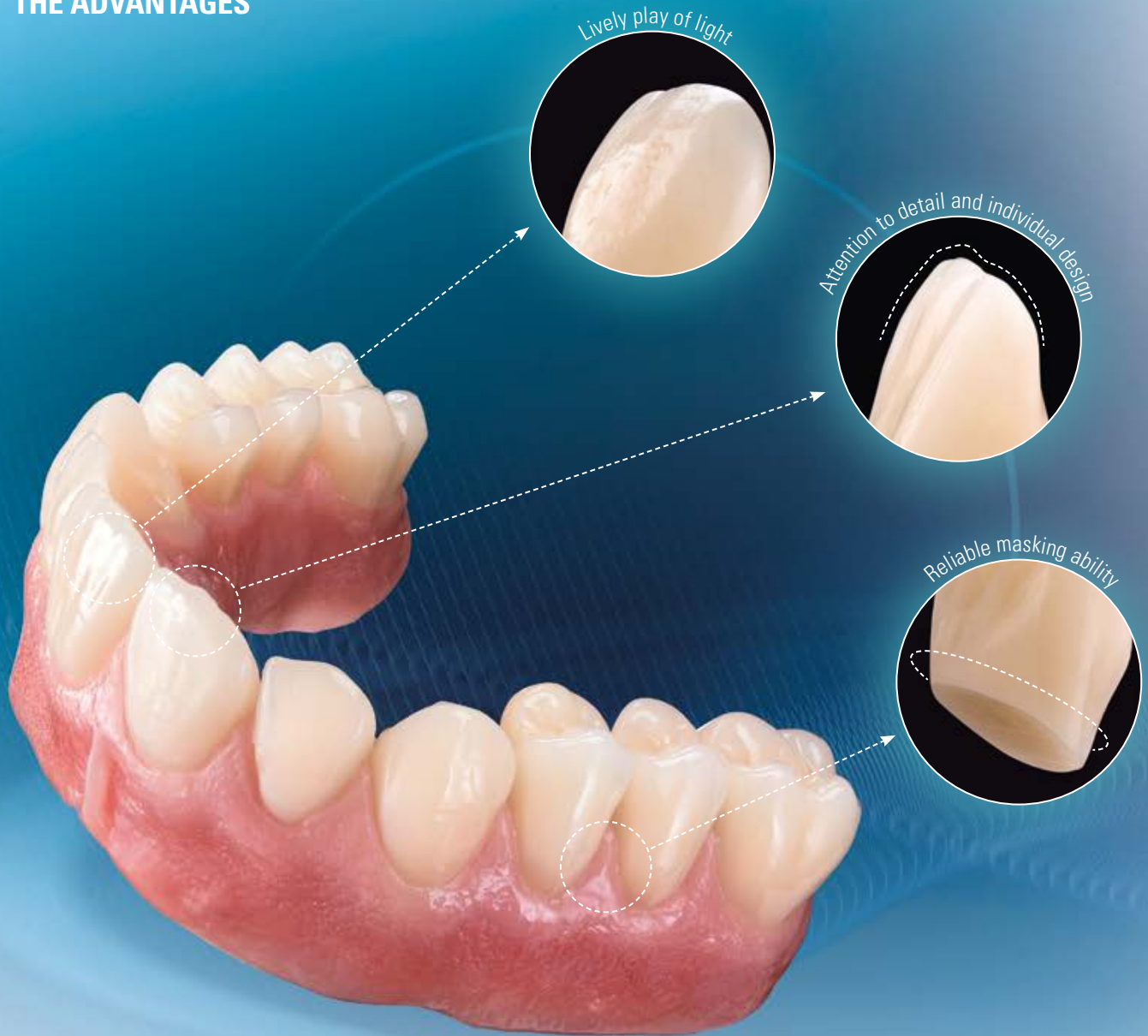
- VITA PHYSIODENS are natural, three-dimensional premium denture teeth made of highly resistant MRP composite material for detailed, natural dentures.

What for?

- VITA PHYSIODENS integrate harmoniously into the remainder of the natural dentition and are particularly suitable for partial and hybrid dentures.



THE ADVANTAGES



Best integration

- Good integration in the remaining natural dentition through detailed, multi-layered moulds

Lively play of light

- Lively play of light through elaborate surface texture

Reliable masking

- Reliable masking of tertiary structures via greater tooth volumes

High durability

- High durability thanks to abrasion-resistant MRP composite material



"VITA PHYSIODENS OFFERS
NATURAL CONTOURS WITH
DETAIL-RICH TEXTURE."

Dr. Julián Conejo, Dentist, Philadelphia, USA

AS DIVERSE AS NATURE ITSELF



VITA PHYSIODENS enables

- **harmonious integration into the remainder of the natural dentition**
thanks to multi-layered, natural moulds
- **true-to-life reproduction for a natural appearance**
thanks to distinctive, vital edge characteristics



★ "WITH VITA PHYSIODENS,
I LIKE THE INDIVIDUAL
CONTOUR OF THE INCISORS."

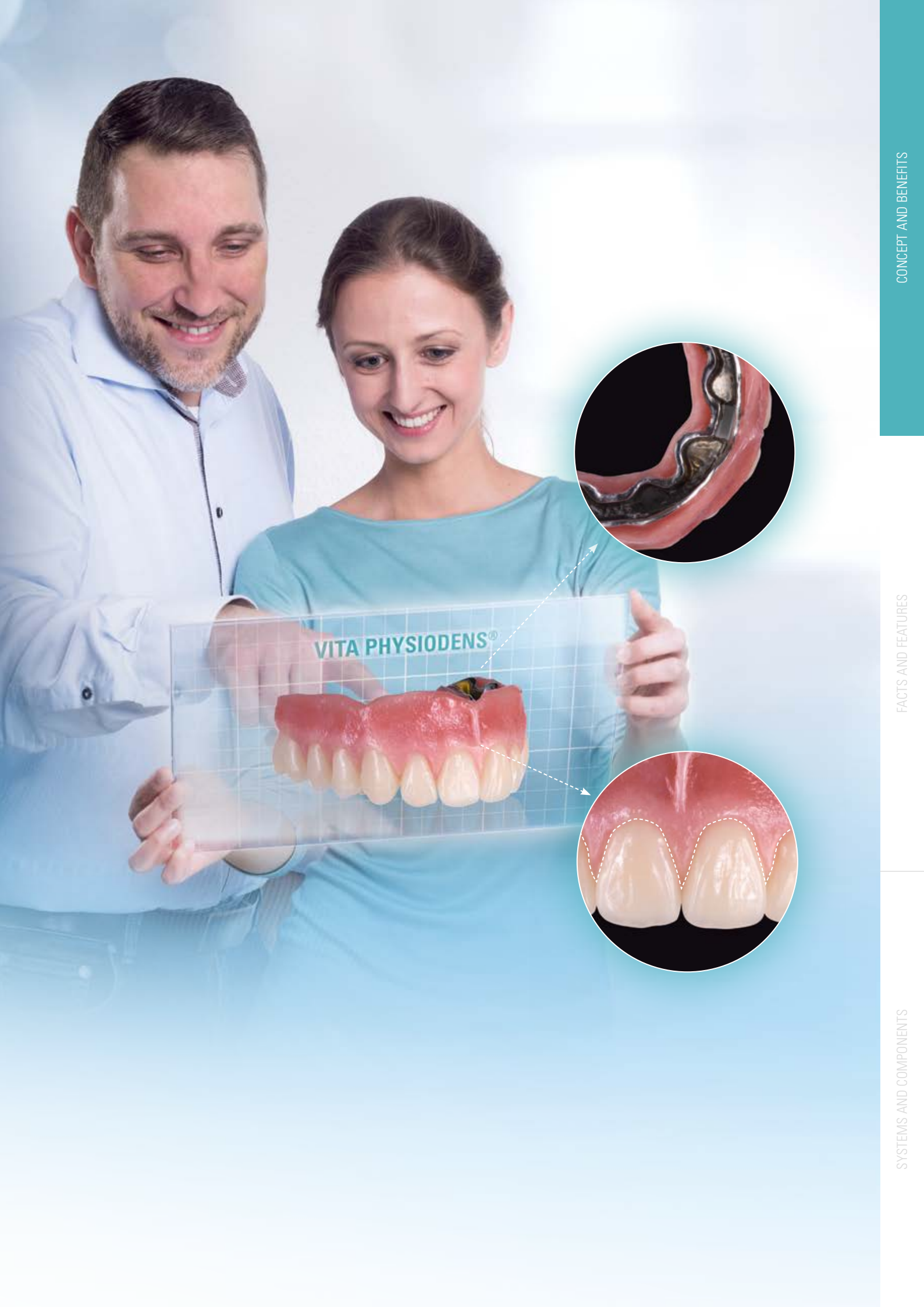
Viktor Fürgut, Dental Technician, Ravensburg, Germany

NATURALLY ESTHETIC RESULTS



VITA PHYSIODENS enables

- **reliable masking of secondary/tertiary structures**
thanks to high basal tooth volumes
- **natural gingiva design**
thanks to natural, three-dimensional cervical dimensions



VITA PHYSIODENS®

MULTI-FACETED PLAY OF SHADE AND LIGHT

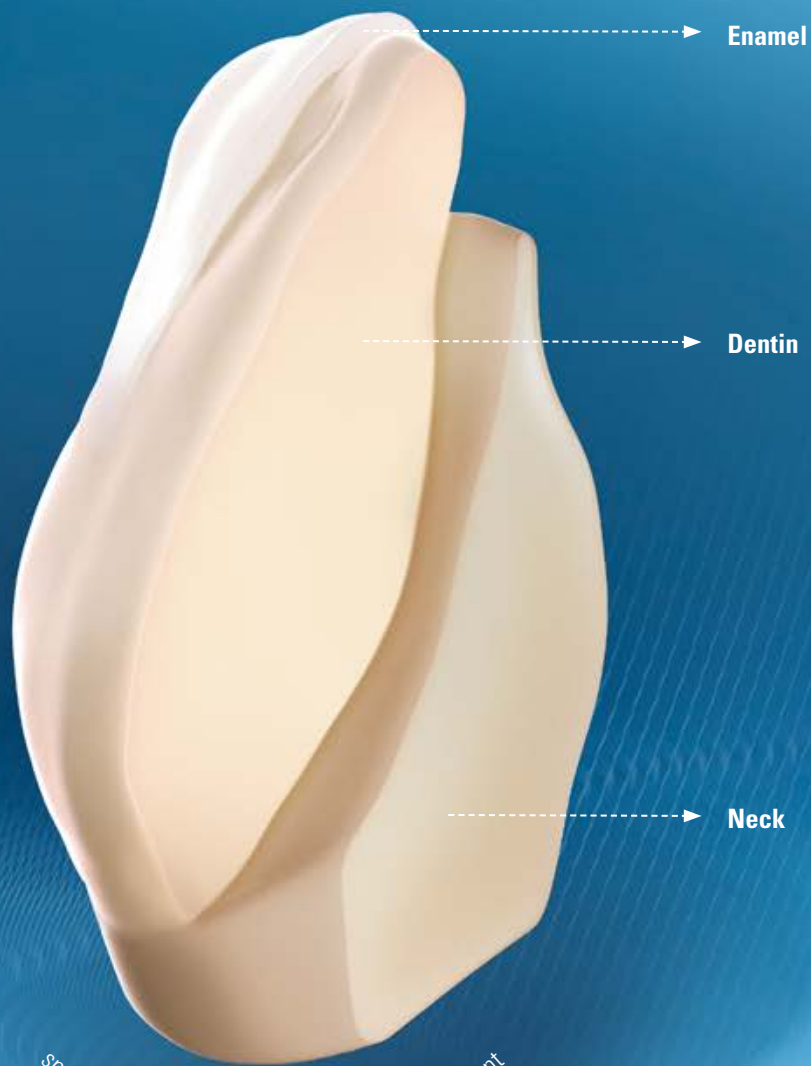


natural, lifelike texture and play of light



VITA PHYSIODENS shows

- **a lifelike play of light**
thanks to an elaborate surface texture
- **natural shade gradient**
thanks to multi-layered 3D-layered structure

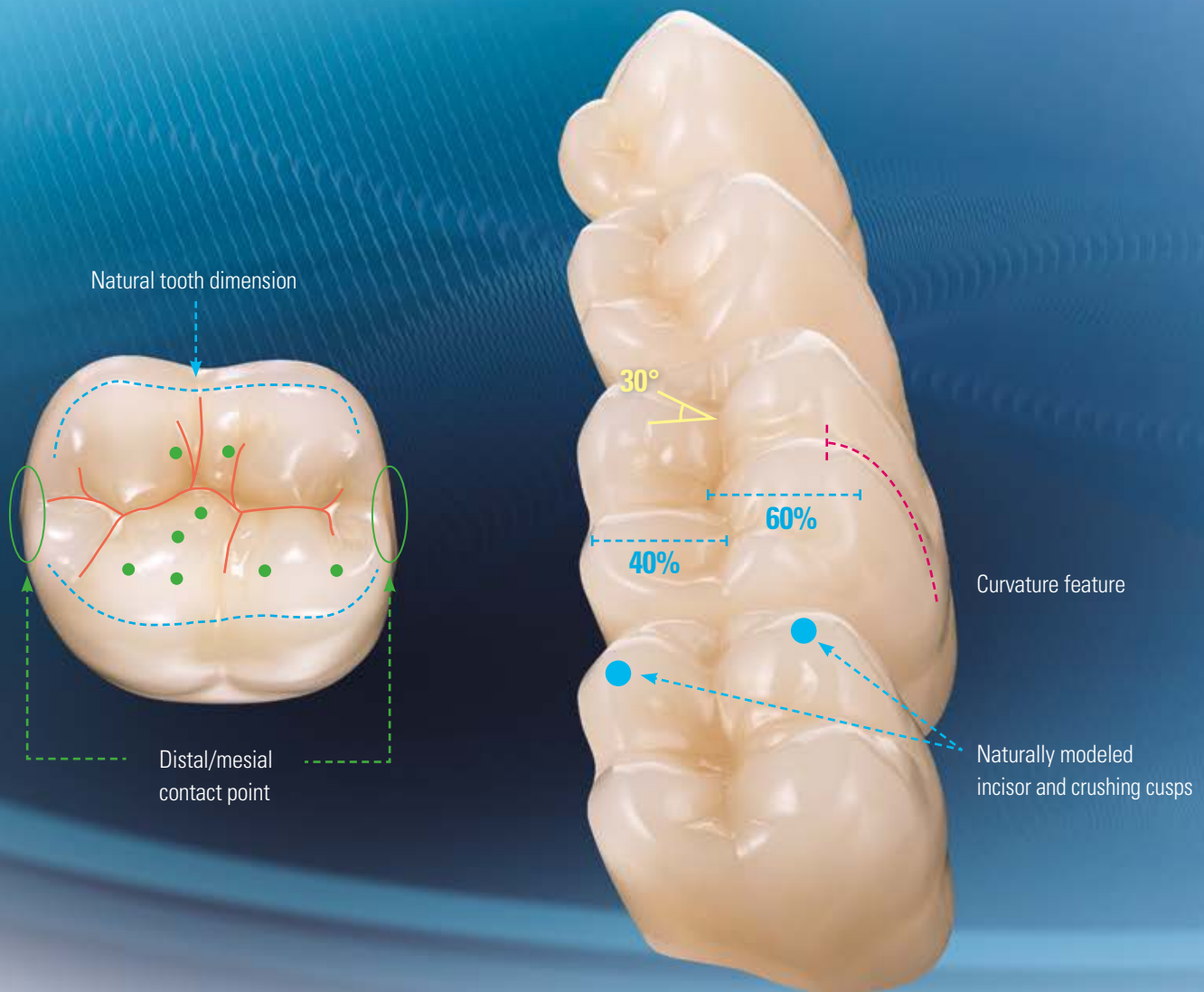


special layered structure for a natural shade gradient

★ "THE ANATOMICAL LAYERING PROVIDES THE APPEARANCE OF A VERY NATURAL LINE OF TEETH."

Hans Jürgen Lange, Master Dental Technician, Darmstadt, Germany


BEST FUNCTION AND CHEWING STABILITY



■ Punctiform contact points ■ Natural dimensioning ■ Curvature features ■ Cusp inclination ■ Detailed fissure design

VITA PHYSIODENS enables

- **simple restoration of function**
thanks to chewing surfaces with natural morphology
- **intuitive centric finding and good occlusion**
thanks to centric-supported occlusal design



★ "VITA PHYSIODENS IS BASED ON THE FUNCTIONALITY AND FORM OF NATURALLY HEALTHY TEETH."

Dr. Eugen End, Dentist, Ravensburg, Germany

A woman with brown hair tied back, wearing a teal long-sleeved shirt, is smiling as she works on a dental model. She is using a small metal tool to adjust a row of yellow teeth on a black base. In the foreground, a grey dental wax block is visible on a white surface.

FACTS AND FEATURES

VITA PHYSIODENS® was developed by specialists with the greatest care and attention to detail. Learn more about the high quality manufacturing standards and durable denture materials.



✦ *VITA PHYSIODENS:
Quality made in Germany*

FOR THE BEST QUALITY – 100% GERMAN DENTAL ENGINEERING BY VITA



1.

Development, design and mould construction

Optimized for practical use

VITA PHYSIODENS was jointly developed by VITA engineers and dental technicians based on the pattern of natural teeth. The highest quality and passion, as well as the best craftsmanship from southern Germany are combined in these denture teeth.

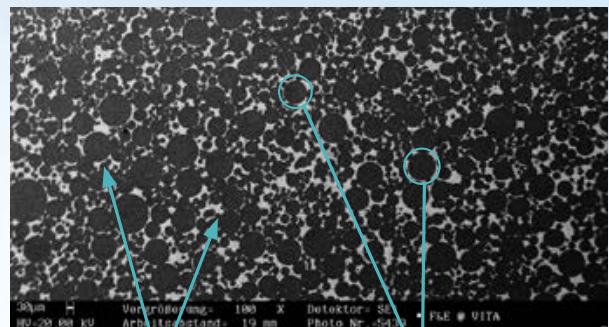


2.

High-quality materials

For high durability

VITA PHYSIODENS are made of MRP composite (Microfiller Reinforced Polymer Matrix). The highly cross-linked polymer matrix with homogeneously distributed and polymerized silicon dioxide filling materials, ensures very good wear resistance.



Matrix with polymerized SiO₂

PMMA pearls



3.

Manufacturing

For outstanding prosthetics

With great attention to detail, specially trained professionals produce individual, custom-designed VITA PHYSIODENS Anterior Teeth – for natural looking prosthetics with lifelike shade and play of light.



4.

Quality assurance

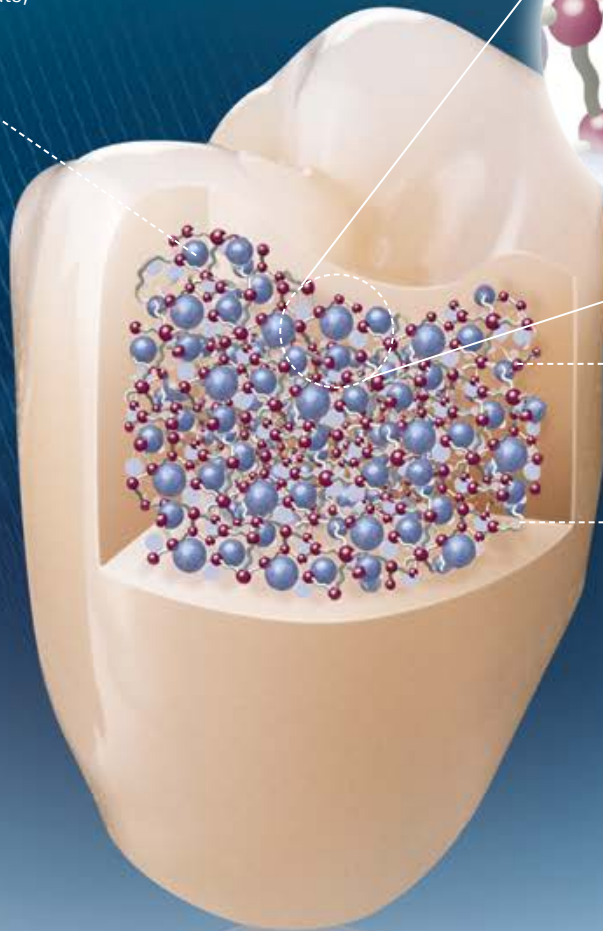
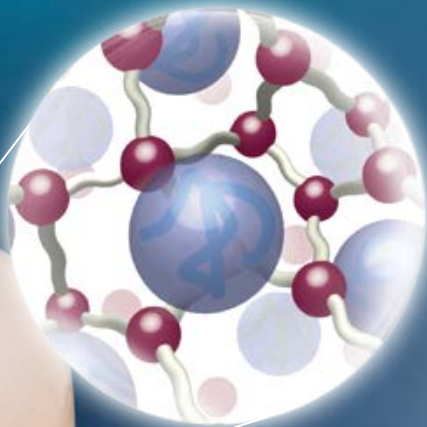
For reliable results

Each denture tooth goes through a multi-step quality control process and is carefully inspected by experienced experts – for the best quality in materials, shape and shade.



MRP COMPOSITE: THE SiO₂-ENHANCED POLYMER MATRIX

PMMA pearls
Polymethylmethacrylate,
proven for decades.



Silanated filler material
The SiO₂-filler improves the
mechanical properties.

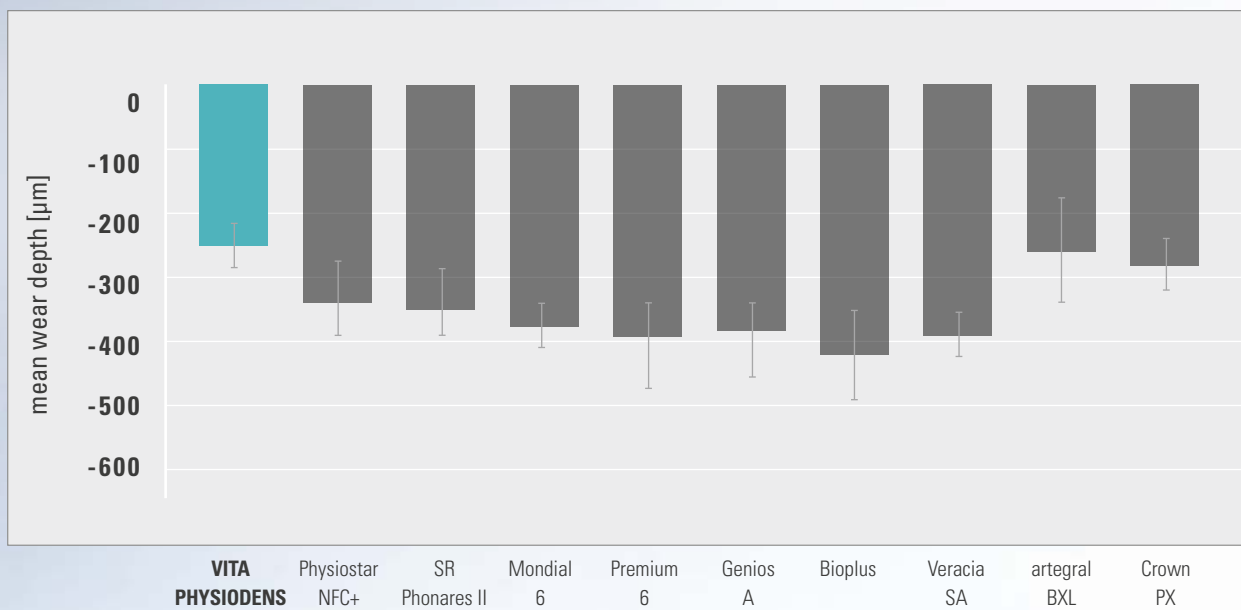
Cross-linked matrix without MMA
The cross-linking provides for a good
bonding of all the material components.

VITA PHYSIODENS

- **has a Microfiller Reinforced Polymer Matrix (MRP)**
for long-lasting prosthetic restorations
- **enables efficient grinding and polishing**
due to optimum material homogeneity and edge stability

HIGHLY RESISTANT IN THE WEAR TEST

Wear study



Graphic: Average depth of the signs of wear of the abovementioned tooth lines after pin-on-block wear test in the chewing simulator with steatite balls as antagonist and eight test samples each per line.

Source: University of Regensburg, Prof. Dr. M. Rosentritt, Test Report No. 280_2, Report 11/15 ([1], see reverse side of prospectus).

VITA PHYSIODENS

- **allows the expectation of good clinical results**
thanks to the highly resistant MRP composite material
- **demonstrates the greatest wear resistance in tests**
of all investigated tooth lines

EXCELLENT SHADE ACCURACY TO THE SHADE GUIDE



VITA PHYSIODENS

- **enables reliable shade reproduction**
thanks to excellent shade accuracy to the VITA shade standard
- **shows the best shade match on average in the test for A1, A2 and A3**
of all investigated anterior tooth lines

Shade match with VITA classical A1–D4® shade standard*



Graphic: Mean value of the shade correspondence/deviation of the abovementioned tooth lines to/from the VITA classical A1–D4® shade scale in shades A1, A2 and A3. The measurements were conducted on randomly selected anterior tooth sets (tooth 21, 22) with common geometry in the shades A1, A2, A3 via an electronic tooth shade meter (Shadepilot by DeguDent).

Source: Johannes Gutenberg University of Mainz, Dr. M.Sc. Christopher Igjel, Report 05/17 ([2], see reverse side of prospectus).

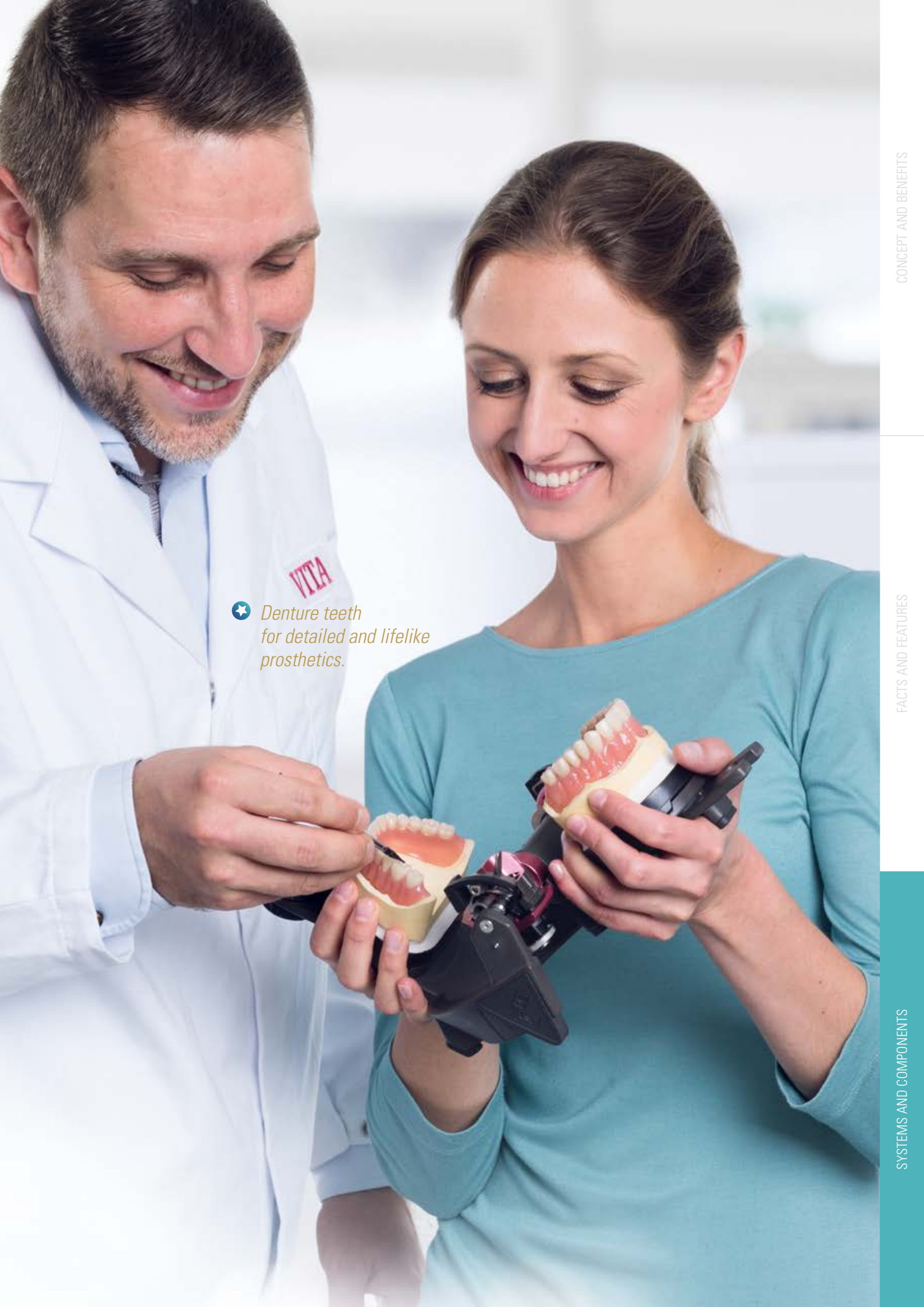
Specification of the tooth lines tested*:

- SR Vivodent DCL; geometry: A14
- Bioplus; geometry: L68
- Pala Mondial 6; geometry: R455
- VITA PHYSIODENS®; geometry: T2S

*) Note: The results only allow an initial statement to be made about the trend, as shades can deviate depending on the geometry and production batch of the respective tooth line.

SYSTEM AND COMPONENTS

VITA PHYSIODENS® is available in a comprehensive range of shades and moulds. Here is an overview of recommended combinations and offered system components.



★ *Denture teeth
for detailed and lifelike
prosthetics.*

SHADES AND MOULDS

VITA PHYSIODENS® Anterior

> Available shades

- 28 x VITA SYSTEM 3D-MASTER® shades
OM1, OM3, 1M1–5M3
- 15 x VITA classical A1–D4® shades
A1–D4 (without B1)

> Available moulds/sets

- 21 x upper anterior tooth moulds
(divided into four mould groups)
- 8 x lower anterior tooth moulds

VITA PHYSIODENS® Posterior






> Available shades

- 27 x VITA SYSTEM 3D-MASTER® shades
OM3, 1M1–5M3
- 15 x VITA classical A1–D4® shades
A1–D4 (without B1)

> Available moulds/sets

- 6 x upper posterior tooth moulds
- 6 x lower posterior tooth moulds









Upper Anteriors						
 ovoid	O1S*  10.8 7.6	O2L  11.5 8.4	O3M  10.8 8.6	O4L  12.7 9.0	O5L  11.4 9.1	O6L  13.1 9.7
	T6S**  10.4 7.4	T2S*  8.3	T1S  10.2 8.7	T3M  11.7 8.4	T4M*  11.3 8.8	T5M  11.1 8.8
 triangular	T6L  12.4 8.9	T7M  11.6 8.8	T8L*  11.6 9.2	T9L  13.1 9.4		
	X1M*  11.0 8.8	X2L  11.6 8.7	X3L  11.8 9.0			
 rectangular						
 square	Z1S  9.8 8.1	Z2S  10.1 8.7				
Lower Anteriors						
	L1S*  8.8 4.9	L2M*  10.4 5.2	L3M*  10.5 5.2	L4M*  9.4 5.4	L5M*  10.4 5.5	L6L  11.4 5.8
	L7L  10.4 5.5	L8L  13.0 6.3				

Posterior		
20E  8.9	21E*  9.5	22E*  9.5
 8.3	 8.7	 9.0
23E*  11.1	24E*  11.8	25E  11.2
 9.8	 9.8	 9.5

*) Bleached shade(s) OM1 and OM3 available exclusively for selected mould(s).

**) Mould(s) only available in VITA SYSTEM 3D-MASTER shade(s).

RECOMMENDED COMBINATIONS

VITA PHYSIODENS Anterior		VITA PHYSIODENS Posterior		VITA PHYSIODENS Anterior		VITA PHYSIODENS Posterior	
UJ / No.  mm	LJ / No.  mm	UJ / No.  mm	LJ / No.  mm	UJ / No.  mm	LJ / No.  mm	UJ / No.  mm	LJ / No.  mm
01S 42.3	L1S 33.0	21E 30.5	21E 32.7	T5M 46.2	L3M 36.3	23E 33.5	23E 34.6
02L 45.7	L2M 34.5	22E 32.9	22E 33.7	T6L 47.3	L5M 37.0	23E 33.5	23E 34.6
03M 47.2	L3M 36.3	23E 33.5	23E 34.6	T7M 47.5	L7L 38.2	23E 33.5	23E 34.6
04L 49.2	L6L 38.2	24E 34.8	24E 36.1	T8L 49.0	L5M 37.0	24E 34.8	24E 36.1
05L 50.1	L6L 38.2	24E 34.8	24E 36.1	T9L 49.6	L6L 38.2	25E 36.7	25E 37.3
06L 51.3	L8L 43.5	25E 36.7	25E 37.3	X1M 46.3	L3M 36.3	23E 33.5	23E 34.6
T6S 41.0	L1S 33.0	21E 30.5	21E 32.7	X2L 46.2	L4M 35.5	23E 33.5	23E 34.6
T2S 44.9	L2M 34.5	21E 30.5	21E 32.7	X3L 47.8	L5M 37.0	24E 34.8	24E 36.1
T1S 45.3	L1S 33.0	20E 29.4	20E 31.0	Z1S 44.1	L1S 33.0	21E 30.5	21E 32.7
T3M 45.6	L3M 36.3	22E 32.9	22E 33.7	Z2S 47.5	L5M 37.0	22E 32.9	22E 33.7
T4M 45.6	L4M 35.5	22E 32.9	22E 33.7				

upper jaw (UJ) / lower jaw (LJ)

ASSORTMENTS AND STORAGE



VITA PHYSIODENS mould chart

Handy metal case with all moulds for tooth selection:

- VITA PHYSIODENS Anterior and Posterior

VITA PHYSIODENS tooth storage

Posterior

- X-small*: 50 sets / 400 posteriors
- Small*: 100 sets / 800 posteriors
- Medium*: 200 sets / 1600 posteriors
- Large*: 300 sets / 2400 posteriors

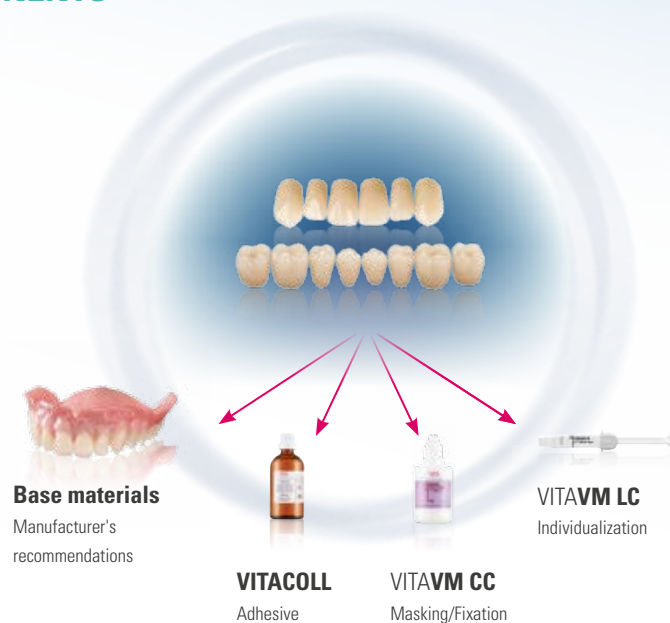
Available in VITA classical A1– D4® and VITA SYSTEM 3D-MASTER® shades.**



*) Note: You will receive the most frequently used moulds and shades with the packaged tooth storage. We are also happy to put together storage systems according to your individual specifications.

**) see available shades

SYSTEM COMPONENTS



BEST 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



Hotline Sales Support

Mr. Udo Wolfner and his team (Internal Sales Department) will be glad to assist you with orders or questions about the delivery, product data and marketing materials.

▶ **Phone +49 (0) 7761 / 56 28 84**
Fax +49 (0) 7761 / 56 22 99
8:00 a.m. to 5 p.m. CET
E-mail: info@vita-zahnfabrik.com



Technical Hotline

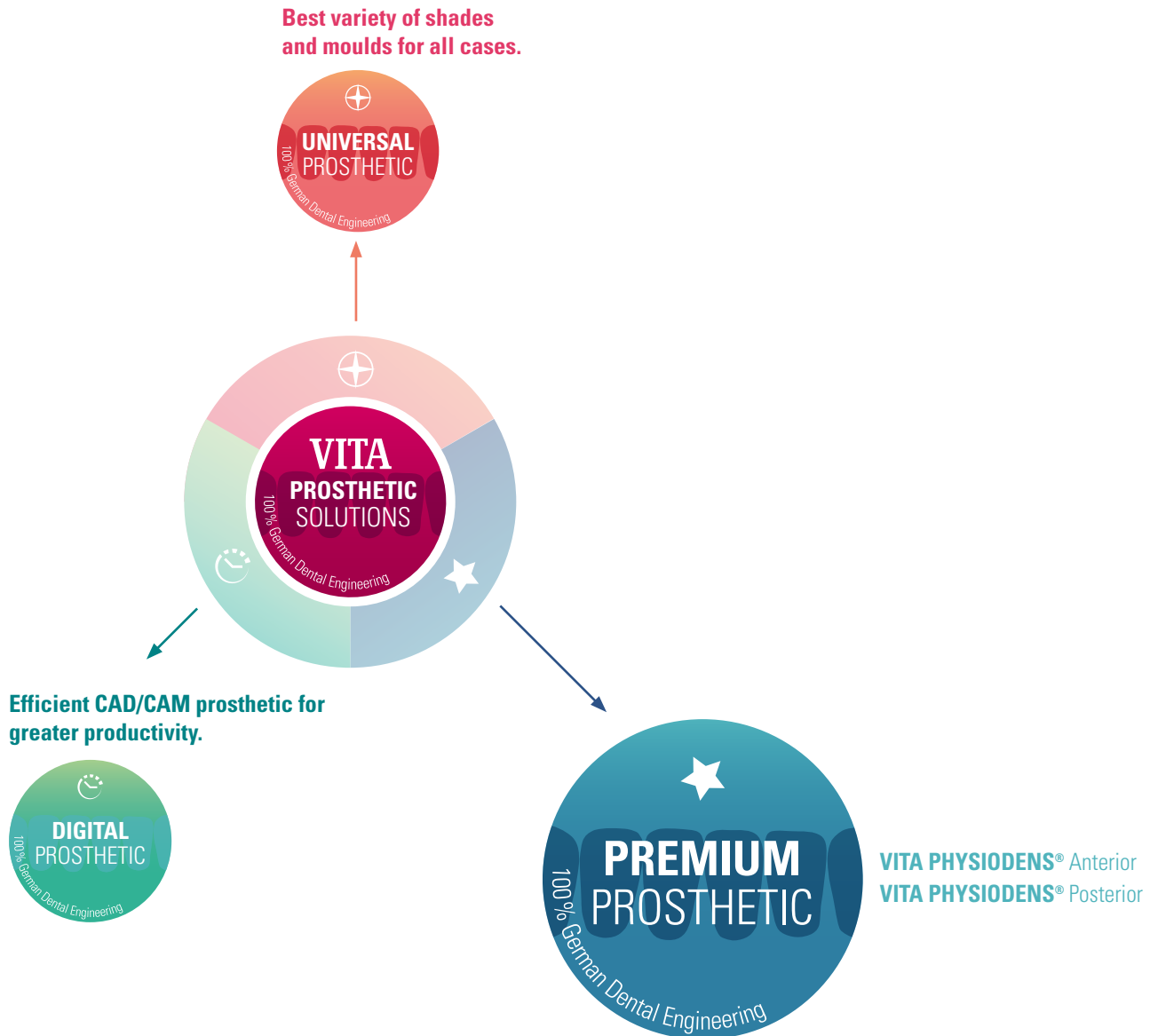
If you have technical questions concerning VITA PROSTHETIC SOLUTIONS, you can contact our technical specialists Mr. Ralf Mehlin or Mr. Daniel Schneider.

▶ **Phone +49 (0) 7761 / 56 22 22**
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8:00 a.m. to 5 p.m. CET
E-mail: info@vita-zahnfabrik.com



VITA PROSTHETIC SOLUTIONS –

For the best dental prosthetics: natural, reliable, rich in variation.



> 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 best, highly esthetic full, partial and implant-retained dentures.

More information about VITA PHYSIODENS is available at
www.vita-zahnfabrik.com/prosthetics

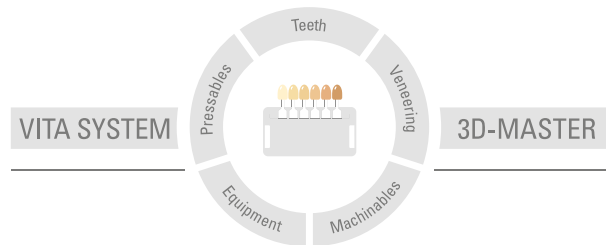
1. Bibliography

1. Abrasion investigation at the University Hospital of Regensburg
Prof. Dr.-Ing. Martin Rosentritt, Head of Research Division,
University Hospital of Regensburg, Polyclinic for Dental Prosthetics,
Regensburg; Report: Test Report Number 280_2, 11/15

2. Shade measurements for prosthetic teeth, University of Mainz
Dr. M.Sc. Christopher Igiel, Research Associate,
Johannes Gutenberg University of Mainz, Polyclinic for Prosthetics,
Mainz; Report: 05/2017

For detailed test data, see technical and scientific documentation
for VITA denture teeth;

Download via www.vita-zahnfabrik.com/prosthetics



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VITA

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