

# VITA AKZENT® LC

Composite stains for reliable reproduction of all shade nuances



VITA shade determination

VITA shade communication

VITA shade reproduction

VITA shade control

Date of issue 2023-02



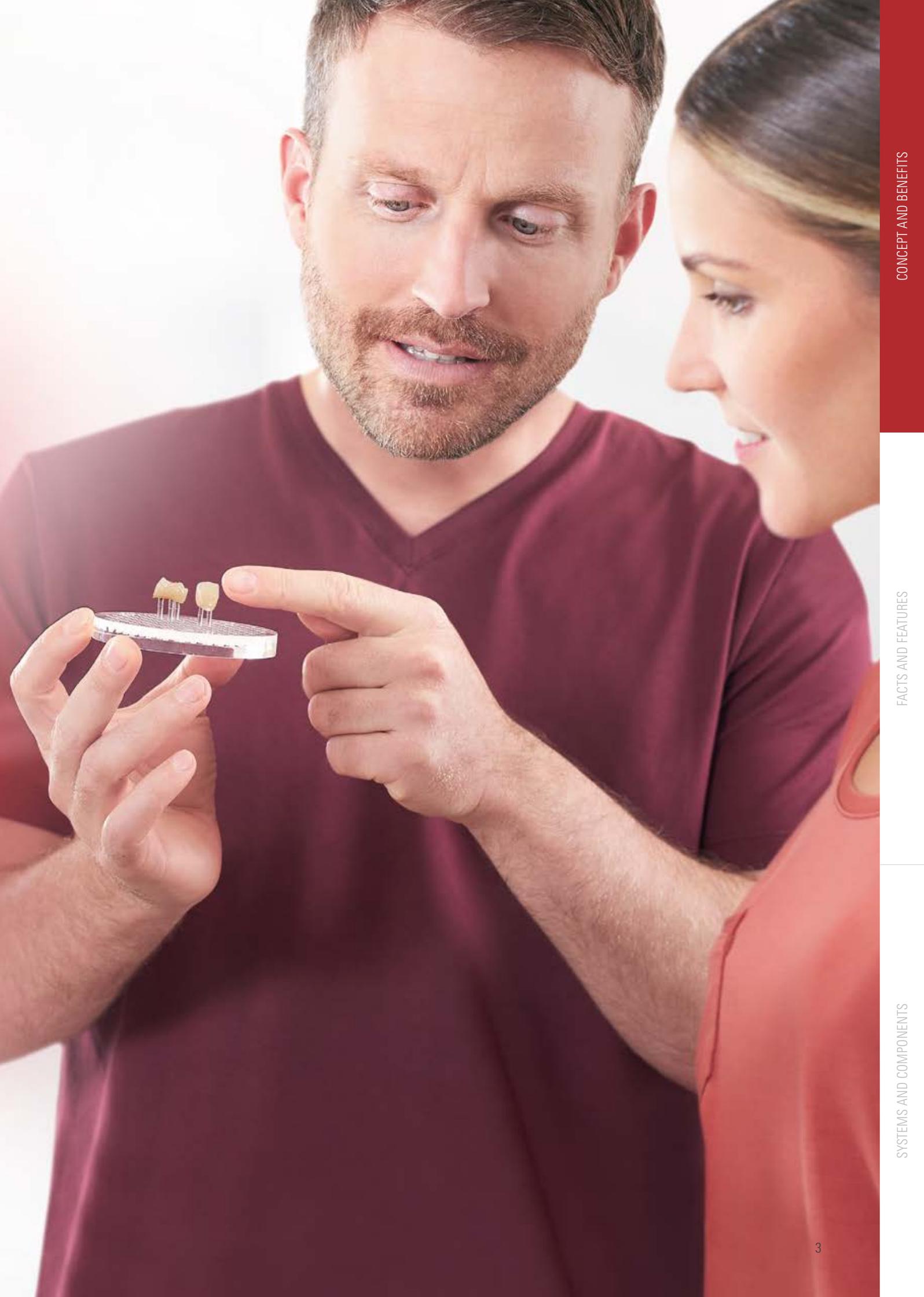
VITA – perfect match.

**VITA**



## CONCEPT AND BENEFITS

**VITA AKZENT® LC** is a stain/glaze system for characterizing all indirect restorations made of composite, polymer and hybrid ceramic. The stains enable precise effect reproduction and reliable shade correction.



## VITA AKZENT® LC – NATURAL REPRODUCTION OF INDIVIDUAL SHADE EFFECTS



### What?

- VITA AKZENT LC are light-curing composite stains for reproducing individual shade effects, as well as applying shade corrections
- In addition to offering a variety of nuances, the stain system impresses with efficient and precise shade application and effective shade and gloss retention

### What for?

- The stains are universally suitable for extraoral characterization of dentures made of hybrid ceramic, CAD/CAM and veneering composites, denture bases, 3D-print acrylic polymers and prefabricated teeth, and can be used for internal characterization with the veneering technique.

### With what?

The stain/glaze system includes:

- 14 richly nuanced effect shades, four glazing chrome shades and a glaze paste for surface sealing
- perfectly matched system components such as brushes, mixing plate, modeling and cleaning liquid



## VITA AKZENT® LC – STAINS FOR COMPOSITE, POLYMER & HYBRID CERAMIC



### VITA AKZENT® LC

- Can be used universally for characterizing restorations made of hybrid ceramic, CAD/CAM and veneering composites, as well as acrylic dentures
- Can be used in various ways for all indirect restorations from the above-mentioned materials: For example, CAD/CAM-fabricated crowns, composite veneered bridge restorations, full/partial dentures and long-term temporary restorations



*With VITA AKZENT LC, I can characterize exactly the way I am used to with ceramics.*

*Peter Eiselt, Laboratory Manager,  
Bad Vilbel, Germany, 12/20*



## THE ADVANTAGES

Change shades

Natural effect reproduction

A3

Easy

Reliable reproduction



### Reliable reproduction

- Reliable, natural reproduction of all the shade nuances of natural dentition, thanks to a wide range of brilliant effect stains

### Easy modification

- Simple realization of shade modifications with a brush stroke using chroma shades for plannable, systematic control of the chromaticity of dental restorations

### Efficient processing

- Apply individual shade effects with pinpoint accuracy and apply shades efficiently over a large area, thanks to effect and chroma stains with ideally matched viscosities

### Durable results

- Produce restorations with consistently brilliant shade rendering and high-gloss stability, thanks to stains with good wear and resistance to discoloration

with a brushstroke



A3.5

modification



Apply shades with pinpoint accuracy

Efficient processing



VITA AKZENT LC allows me to create highly-customized anterior restorations.

Dr. Bernhild-Elke Stammnitz, Dentist, Langen, Germany, 12/20



## PRECISE EFFECTS FOR NATURAL RESULTS



### **VITA AKZENT® LC EFFECT STAINS**

- Are richly-nuanced shades for natural and precise effect reproduction (e.g., for tooth/fissure discoloration, translucent enamel areas, calcifications and more)
- Enable highly precise, selective shade application, thanks to excellent stability and perfectly adapted viscosity

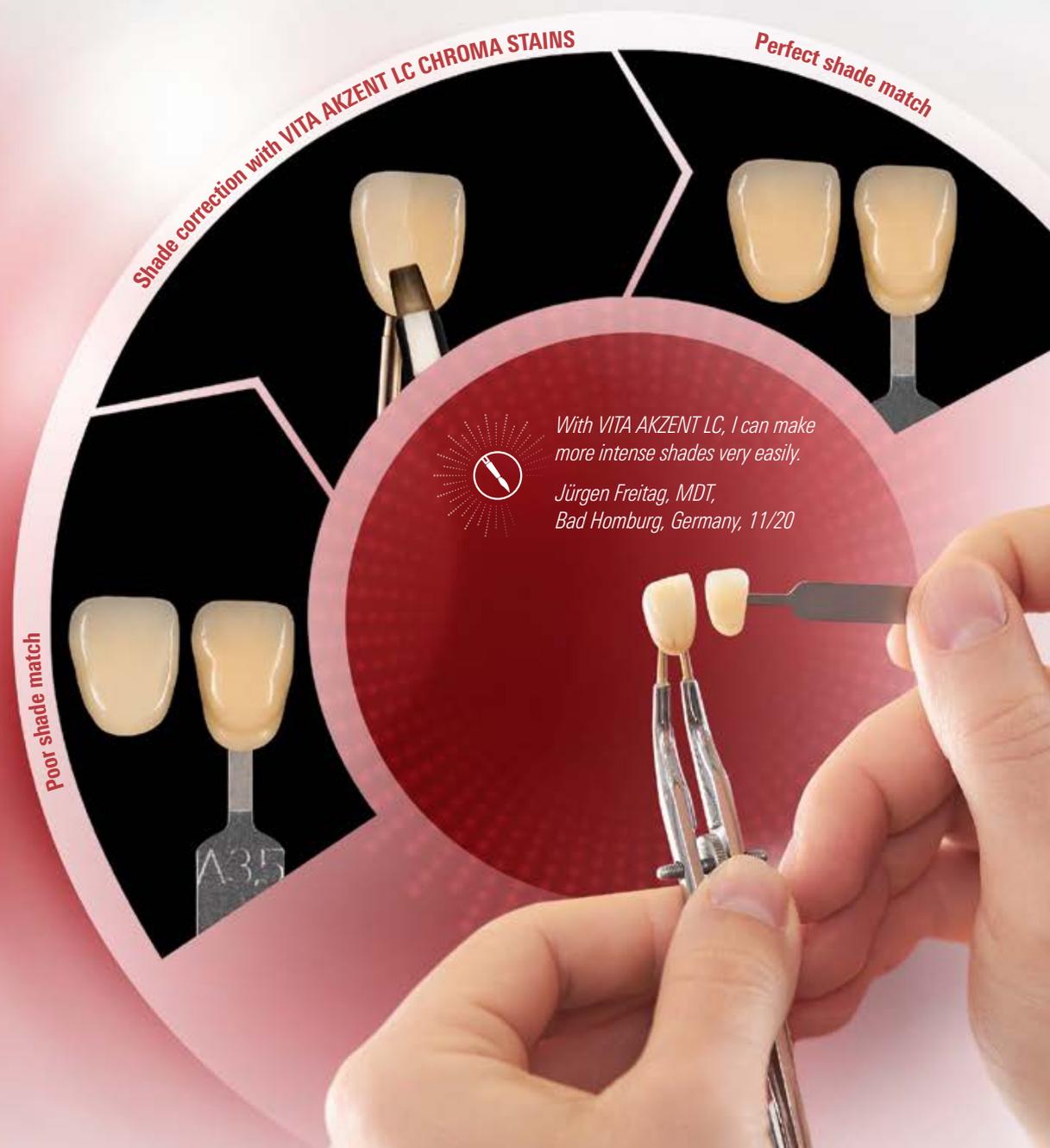


*With VITA AKZENT LC, I can reproduce small shade details very accurately.*

*Dr. Harald Steinbrenner, Dentist,  
Heppenheim, Germany, 02/21*



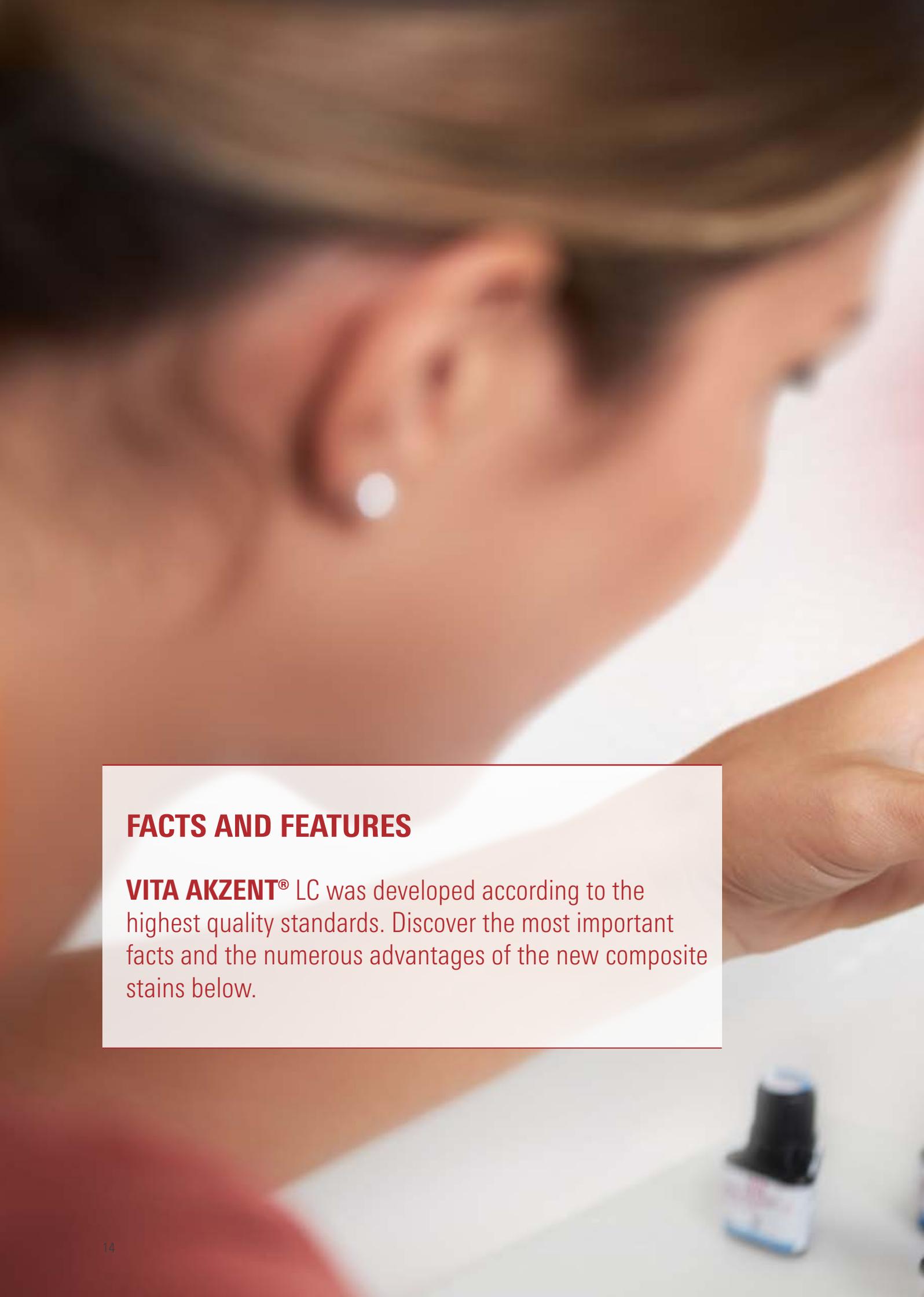
## RELIABLE SHADE CORRECTION FOR THE BEST SHADE MATCH



### VITA AKZENT® LC CHROMA STAINS

- Are custom shades for planable, systematic control of chromacity for reliable application of shade corrections
- Enable streak-free shade layering over a large area for efficient shade application every time





## FACTS AND FEATURES

**VITA AKZENT**<sup>®</sup> LC was developed according to the highest quality standards. Discover the most important facts and the numerous advantages of the new composite stains below.



## REASONS FOR RELIABLE AND PRECISE RESULTS

### 1. Proven, reliable adhesive bond

#### Adhesive bond test

VITA AKZENT LC, VITA

OPTIGLAZE color, GC



Original sample: Stained VITAPAN prosthetic teeth prior to simulated aging

Simulated aging using  
thermocycling  
(5000 cycles, 5 °C / 55 °C)



Result: Stained VITAPAN prosthetic teeth after simulated aging

Source: Internal study, VITA R&D, Report 0628/19, 03/20,  
Dr. M. Gmeuling ([1] see back of brochure)

#### VITA AKZENT® LC

- Ensures an excellent adhesive bond to PMMA-based dental materials
- Shows excellent bond stability to denture teeth (VITAPAN) during testing after simulated aging

## 2. Highly precise shade application with pinpoint accuracy every time

### Stability test

#### VITA AKZENT LC (white)



1. Application of the stain on a glass plate



2. Testing of stability by tilting the plate

Source: Internal study, VITA PM,  
Report 0478/21, 10/21, H. Kimmich ([2]  
see back of brochure)

### VITA AKZENT® LC

- Provides stable effect stains with ideal viscosity for precise shade application with pinpoint accuracy to achieve exact reproduction of all individual shade characteristics



## REASONS FOR OUTSTANDING DURABILITY

### 1. High wear resistance/gloss retention



#### Wear resistance test



Stained crown prior to wear test

#### Simulated wear (20 hours)



Stained crown after wear test

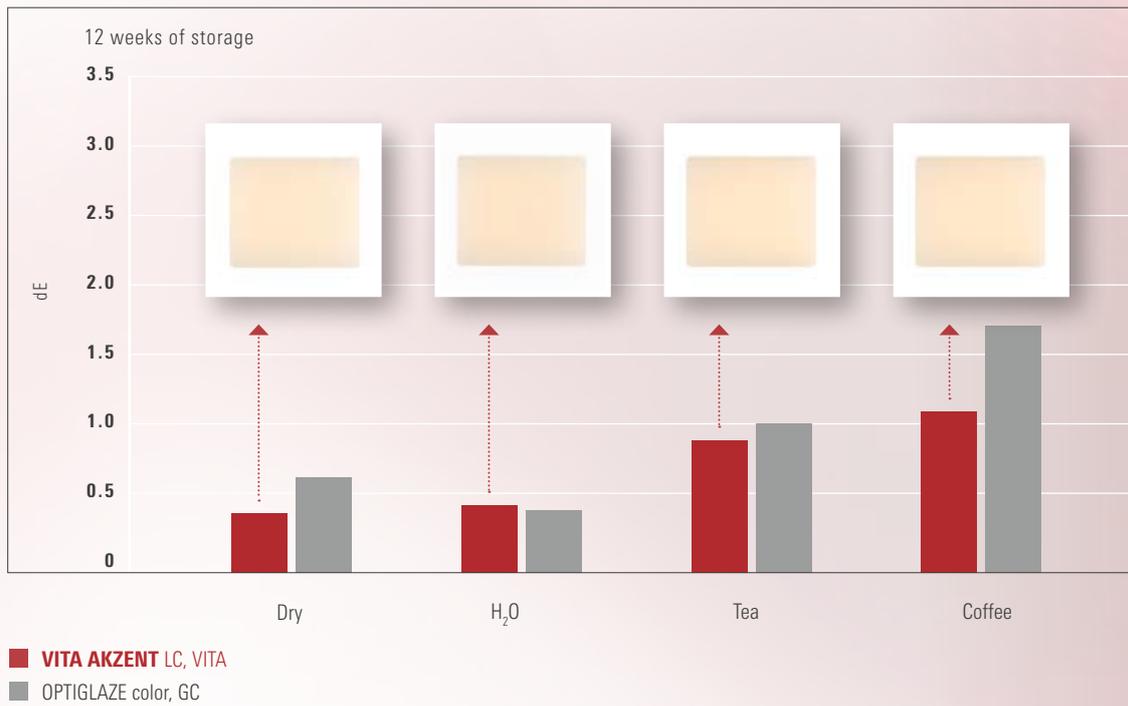
Internal study, VITA R&D, Report 0083/21, 07/21,  
Dr. S. Aechtner ([1] see back of brochure)

#### VITA AKZENT® LC

- Enables very stable, brilliant shade reproduction and high-gloss retention, thanks to a polymer matrix reinforced with silicon dioxide fillers
- Shows excellent gloss levels in testing after 20 hours of simulated wear in a toothbrush abrasion test (20 hours = 200 days of teeth cleaning at two times, three minutes daily)

## 2. Outstanding resistance to discoloration

### Discoloration resistance test



Source: Internal study, VITA R&D, Report 0559/19, 03/20,  
Dr. M. Gmehling ([1] see back of brochure)

### VITA AKZENT® LC

- Shows excellent resistance to discoloration, thanks to its homogenous surface
- Shows excellent shade stability in testing after immersion in water, tea and coffee for 12 weeks

A man and a woman are shown in profile, looking at a smartphone together. The man is on the left, wearing a maroon t-shirt, and the woman is on the right, wearing a red t-shirt. They are both smiling and appear to be engaged in a conversation. The background is a plain, light color.

## SYSTEM AND COMPONENTS

**VITA AKZENT®** LC includes a wide range of shades and variants. Learn more about the entire spectrum of materials and coordinated system components available.



**SYSTEMKOMPONENTEN**

GLAZE

BRUSH-SET

MODELING LIQUID

MIXING-TRAY

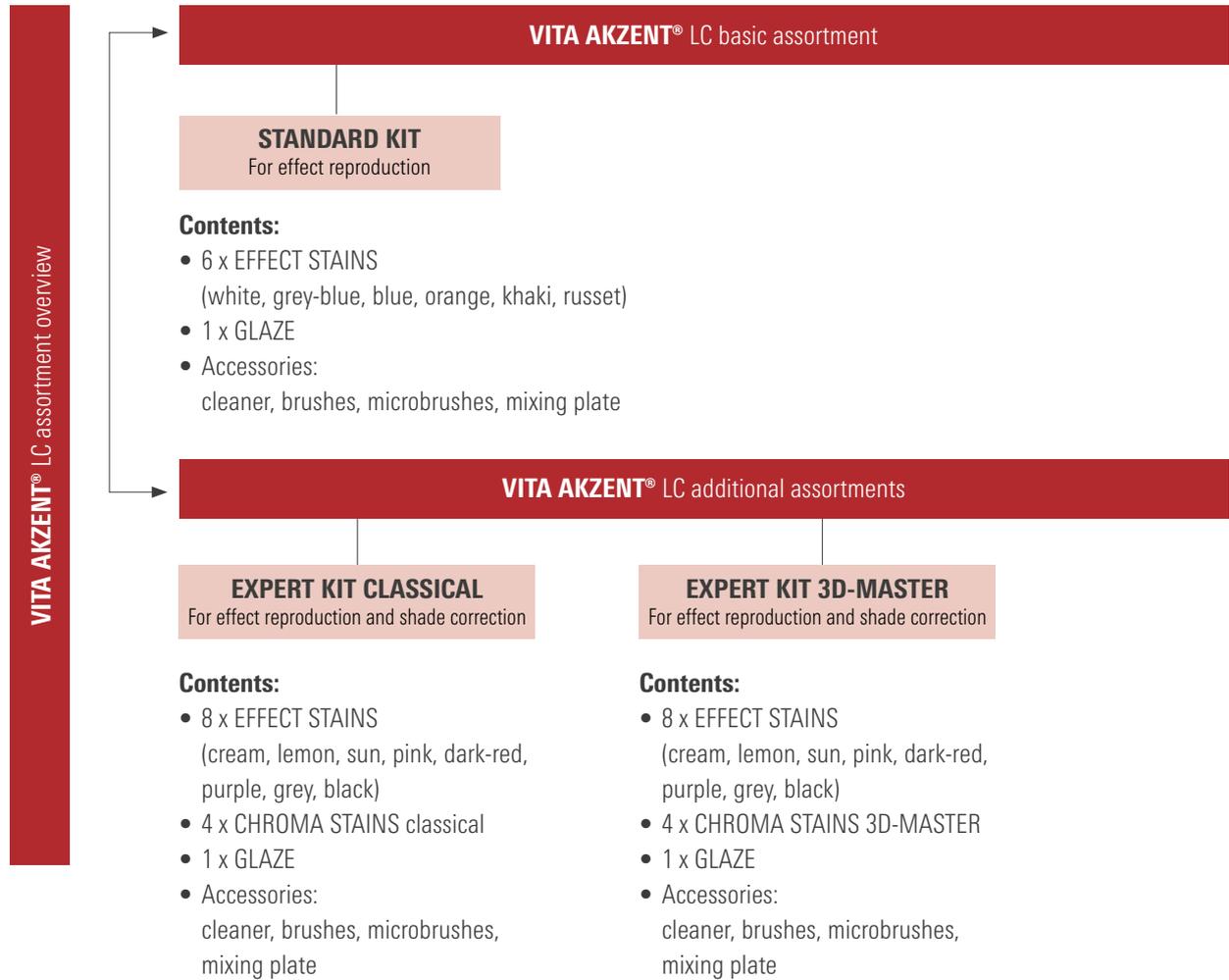
CLEANER

100% HIGH ADHESIVE  
Blue & Red

## OVERVIEW OF SHADES AND VARIANTS

VITA AKZENT® LC portfolio overview																		
VITA AKZENT® LC EFFECT STAINS																		
	<p>For precise reproduction of individual characteristics/ effects</p>	<table border="0"> <tr> <td> white</td> <td> orange</td> <td> dark-red</td> <td> grey</td> </tr> <tr> <td> cream</td> <td> russet</td> <td> purple</td> <td> black</td> </tr> <tr> <td> lemon</td> <td> khaki</td> <td> blue</td> <td></td> </tr> <tr> <td> sun</td> <td> pink</td> <td> grey-blue</td> <td></td> </tr> </table>	 white	 orange	 dark-red	 grey	 cream	 russet	 purple	 black	 lemon	 khaki	 blue		 sun	 pink	 grey-blue	
 white	 orange	 dark-red	 grey															
 cream	 russet	 purple	 black															
 lemon	 khaki	 blue																
 sun	 pink	 grey-blue																
VITA AKZENT® LC CHROMA STAINS																		
	<p>For a systematic increase in chromacity</p>	<p><b>VITA classical A1–D4</b></p> <table border="0"> <tr> <td> A red-brown</td> <td> B red-sun</td> <td> C grey-brown</td> <td> D grey-red</td> </tr> </table> <p><b>VITA SYSTEM 3D-MASTER</b></p> <table border="0"> <tr> <td> L corn-yellow</td> <td> M2 red-yellow</td> <td> M3 dark-yellow</td> <td> R light-red</td> </tr> </table>	 A red-brown	 B red-sun	 C grey-brown	 D grey-red	 L corn-yellow	 M2 red-yellow	 M3 dark-yellow	 R light-red								
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 L corn-yellow	 M2 red-yellow	 M3 dark-yellow	 R light-red															
VITA AKZENT® LC GLAZE																		
	<p>For permanent and brilliant surface sealing</p>	<table border="0"> <tr> <td> glaze</td> </tr> </table>	 glaze															
 glaze																		
VITA AKZENT® LC COMPONENTS																		
	<p>Ideally matched system components for reliable processing</p>	<ul style="list-style-type: none"> <li>• Cleaner</li> <li>• Brushes, microbrushes</li> <li>• Mixing plate</li> </ul>																

## ASSORTMENT OFFER



## SYSTEM COMPONENTS



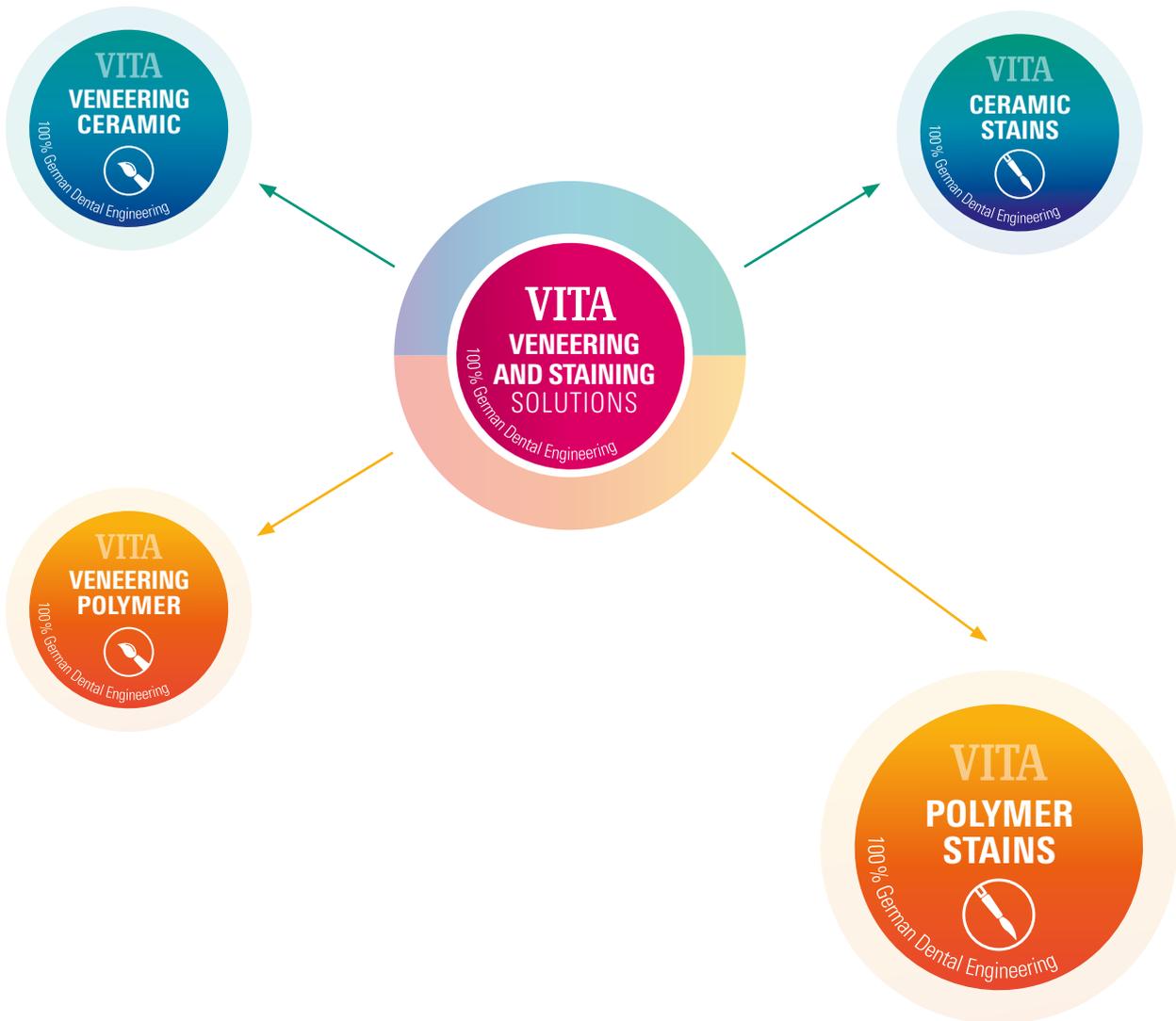
## IDEAL SOLUTIONS FOR THE TREATMENT WORKFLOW



\*) Optional process step: Does not apply when fabricating monolithic reconstructions.

## VITA VENEERING & STAINING SOLUTIONS

For a lively play of shade and light with all the nuances of nature.



LIGHT CURING (LC)

> **VITA AKZENT® LC:**  
**For reliable reproduction of all shade nuances**

Universally applicable composite stains for natural and precise shade effects, accurate shade corrections and high shade/gloss retention.



## 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

Udo Wolfner and his team from 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 product solutions, you can contact Michael Tholey and his 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)

► Further international contacts can be found at [www.vita-zahnfabrik.com/contacts](http://www.vita-zahnfabrik.com/contacts).



You can find more information on VITA AKZENT LC at:  
[www.vita-zahnfabrik.com/akzentlc](http://www.vita-zahnfabrik.com/akzentlc)

#### References

##### 1. Internal studies, VITA R&D:

VITA Zahnfabrik H. Rauter GmbH & Co. KG  
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Spitalgasse 3, 79713 Bad Säckingen, Germany  
Dr. Stefan Aechtner, Project Manager VITA R&D, VITA Zahnfabrik, Bad Säckingen  
Dr. Marina Gmehling, Developer VITA R&D, VITA Zahnfabrik, Bad Säckingen

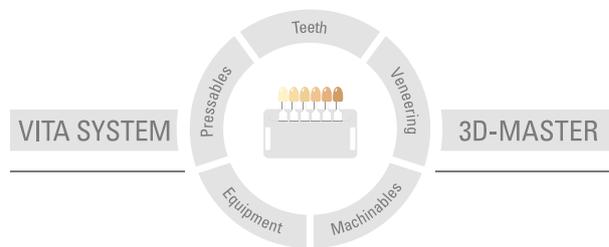
##### 2. Internal studies, VITA product management:

VITA Zahnfabrik H. Rauter GmbH & Co. KG  
Spitalgasse 3, 79713 Bad Säckingen, Germany  
Hartmut Kimmich, Product Manager, VITA Zahnfabrik, Bad Säckingen

For detailed test data, see Technical Information

VITA AKZENT LC;

Download from [www.vita-zahnfabrik.com/akzentlc](http://www.vita-zahnfabrik.com/akzentlc)



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**CE 0124:**

**VITA AKZENT® LC**

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**MD** Rx Only

**CH REP** VITA Zahnfabrik H. Rauter GmbH & Co.KG, Bad Säckingen (Germany)  
Zweigniederlassung Basel c/o Perrig AG, Max Kämpf-Platz 1, 4058 Basel

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