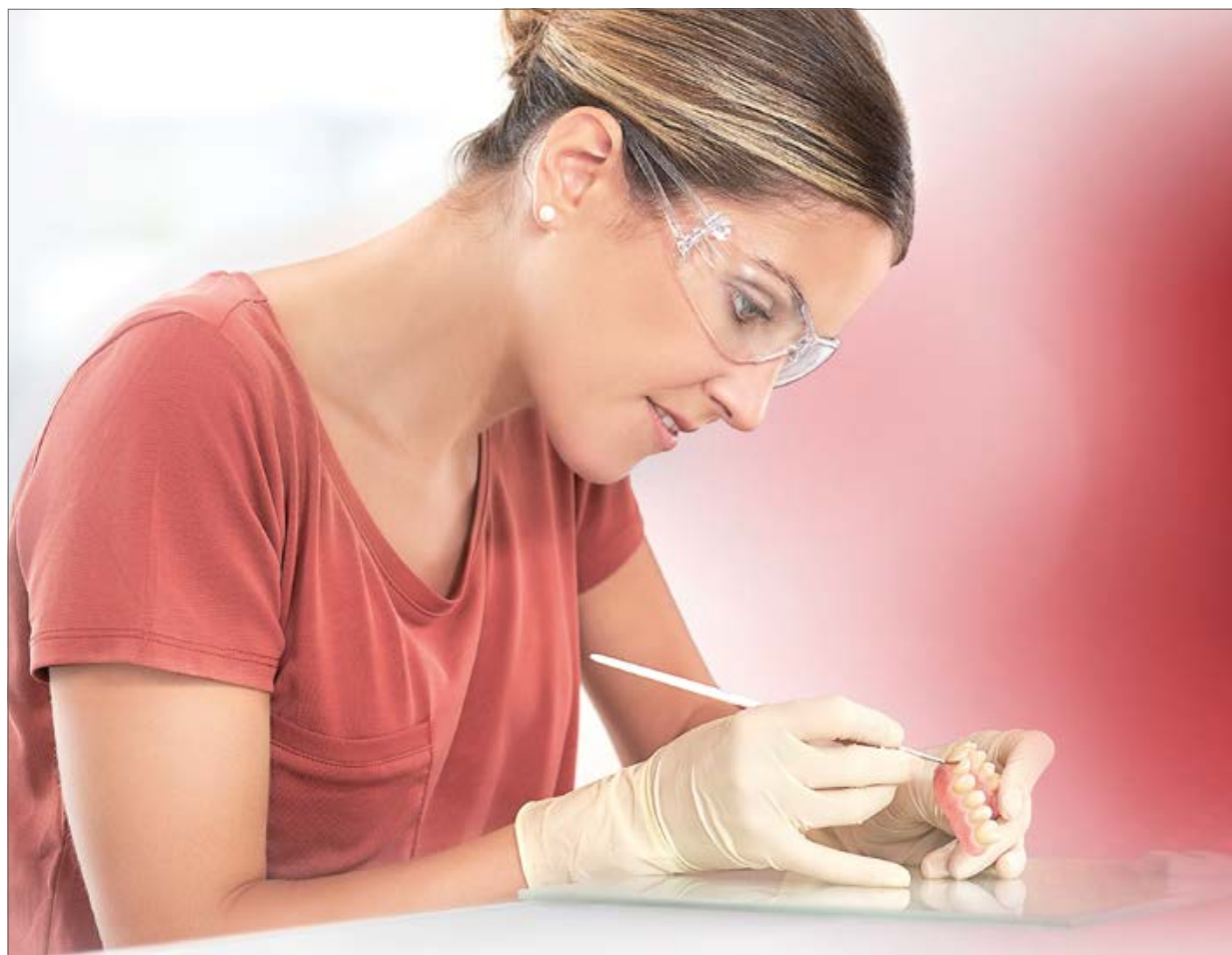


VITA AKZENT® LC

Instructions for use for characterization of the shade of denture bases



VITA shade determination

VITA shade communication

VITA shade reproduction

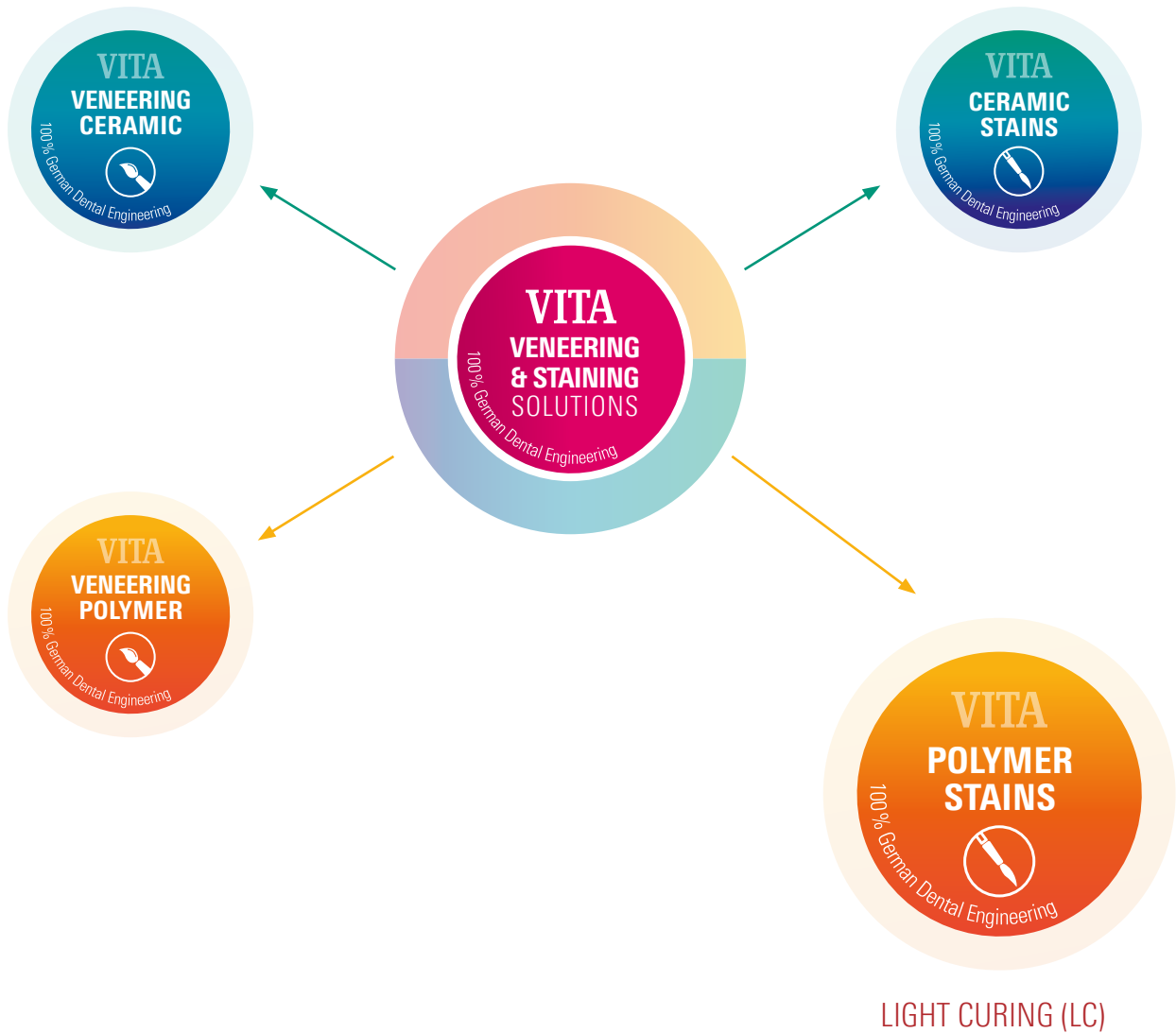
VITA shade control

Date of issue 2023-04

VITA – perfect match.

VITA

VITA VENEERING & STAINING SOLUTIONS – For a lifelike play of shade and light in all facets of nature.



> 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.

Explanation of symbols:

 System/technology info

 Note

 Links/Tutorials

 Please note

 Process

 Note

 Tips

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1. Material system/processes

1.1 Intended purpose



Intended purpose:

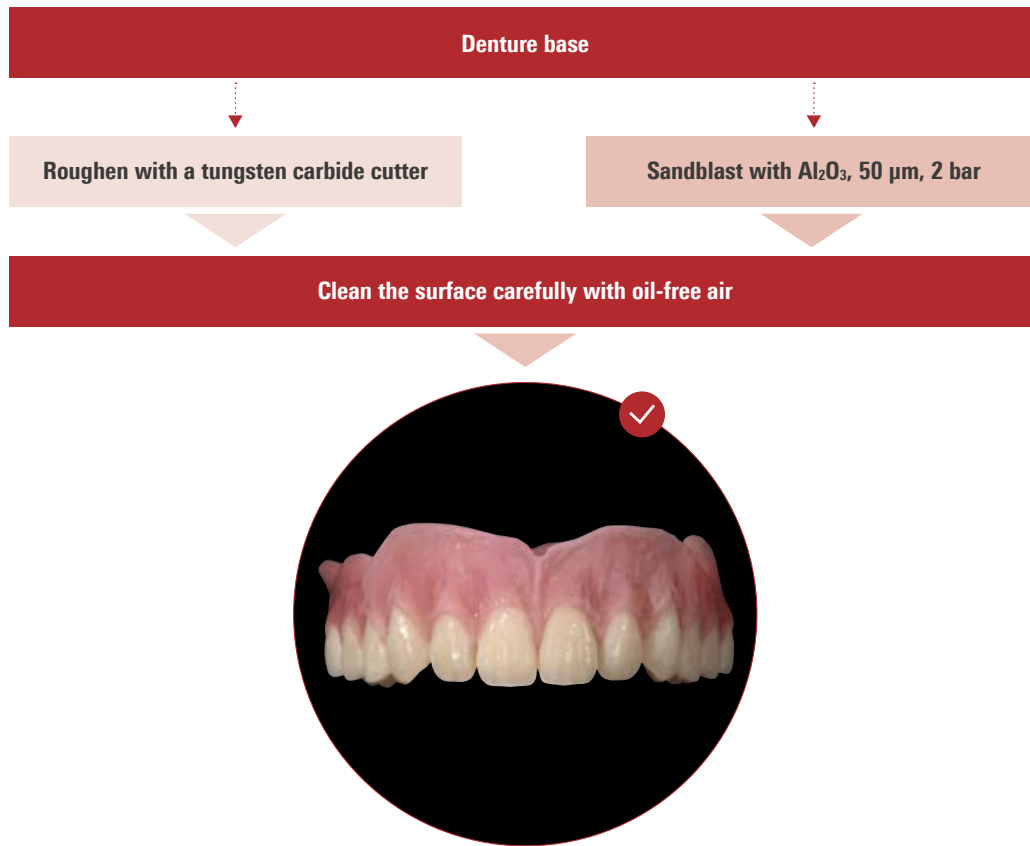
- VITA AKZENT LC products are dental materials for sealing or coating acrylics.

Note:

- What? VITA AKZENT LC is a light-curing, methacrylate-based composite stain and glaze system for extraoral reproduction of individual shade effects and shade corrections of dental materials with a polyacrylic content.
- 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.
- The stain/glaze system includes 14 multifaceted effect stains, four glazing chroma stains (for each shade system) and a glaze paste for surface sealing.








2. Surface pretreatment

▶ Pretreatment of the denture base before characterization



3. Characterization of the shade

3.1 Overview of VITA AKZENT LC stains for characterizing the shade of a denture base

VITA AKZENT® LC EFFECT STAINS		Stains*	Area of application
		white	1:1 mixture for characterization of the labial frenulum and alveolar arches
		pink	1:1 mixture for characterization of the labial frenulum and alveolar arches
		dark-red	For the imitation of fine arterial vessels
		blue	For the imitation of fine venous vessels
VITA AKZENT® LC GLAZE		Stains	Area of application
		glaze	To achieve a uniform surface gloss

* All stains available individually

- blue and Glaze included in STANDARD KIT
- pink and dark-red included in EXPERT KIT

Note:

- The VITA AKZENT EFFECT STAINS can be mixed with GLAZE to reduce the chroma level.
- Shake bottle well before use (for 10 seconds). The mixing ball must be clearly heard!
- Close bottles immediately after use.
- The included brushes included are recommended for applying the stains.
- Apply the stains in a thin layer.
- **Subsequent coating with GLAZE is not absolutely necessary.**

Tip:

- Before characterization with the EFFECT STAINS, the sandblasted surfaces of the denture base to be characterized can first be wetted with a thin layer of GLAZE and prepolymerized for better assessment of the shade effect of characterization.
- Then carry out final polymerization of GLAZE together with the EFFECT STAINS.
- Polymerize individual stain layers in steps.

! Please note:

- The processing time of the stains depends on the room temperature and exposure to light.
- Cover the mixing tray with the lightproof lid in order to avoid premature polymerization of the stains.
- Do not reuse any polymerized stain.
- Close the bottles immediately after use.
- Dry the brush thoroughly after cleaning with CLEANER.
- CLEANER adhering to the brush prevents proper polymerization of the stain.

👍 Tip:

- VITA VM LC flow GINGIVA materials G1 - G5 can be used for individualizing the shade of denture bases. See VITA VM LC Instructions for use, No. 1200.
- The VITA AKZENT LC EFFECT STAINS can be mixed with the VITA VM LC flow materials in a max. ratio of 1:10.

➤ 3.2 Step-by-step use



1 Recontoured and sandblasted denture.



2 Apply VITA AKZENT LC GLAZE and cure briefly for better assessment of the subsequent shade application



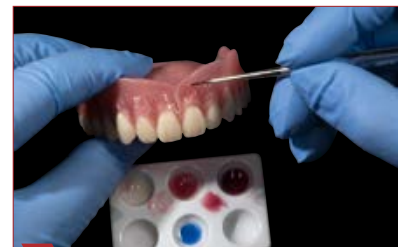
3 1:1 mixture of VITA AKZENT LC EFFECT STAINS white and pink for characterization of the labial frenulum and the alveolar arches.



4 The labial frenulum is delicately contoured with the mixture VITA AKZENT LC EFFECT STAINS white and pink using a brush.



5 The alveolar arches are then recontoured with the mixture of VITA AKZENT LC EFFECT STAINS white and pink.



6 Below the tapering alveolar arches, the exposed gingiva is reproduced in a reddish (dark-red) shade.



7 In the area of the oral mucosa, fine arterial vessels are simulated with VITA AKZENT LC EFFECT STAIN dark-red.



8 Fine venous vessels on the labial shield are simulated with VITA AKZENT LC EFFECT STAIN blue.



9 Result after anatomical reproduction on the labial shield of the denture.



10 Then apply VITA AKZENT LC GLAZE to achieve a homogeneous surface gloss.



11 Uniform application of VITA AKZENT LC GLAZE to the individualized labial shield.



12 Intermediate curing with a polymerization lamp.



13 Denture base with characterized shade after complete curing in the polymerization device.

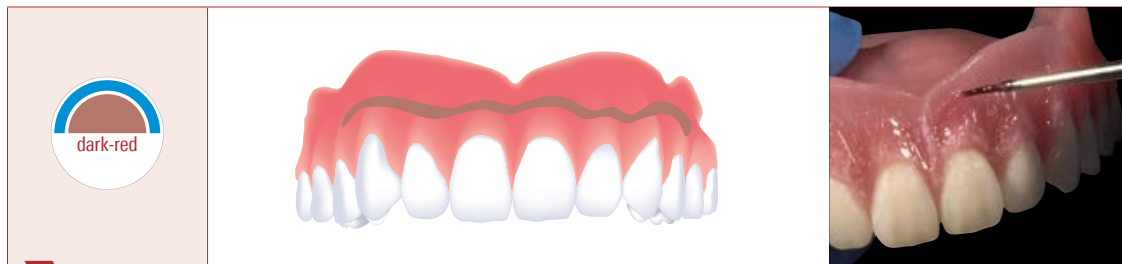
3.3 Application examples



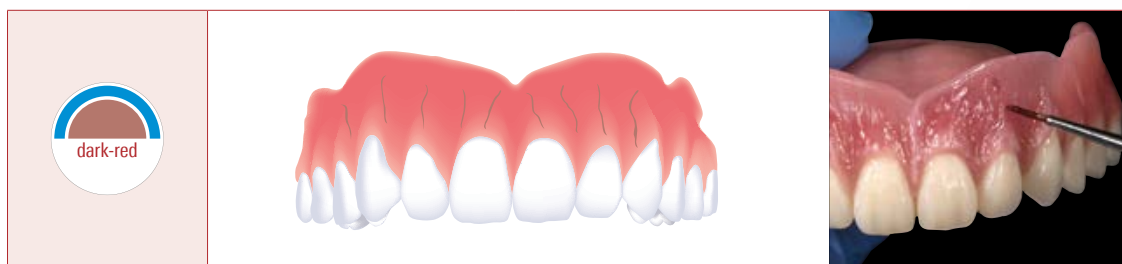
The labial frenulum is delicately contoured with the 1:1 mixture of VITA AKZENT LC EFFECT STAINS white and pink using a brush.



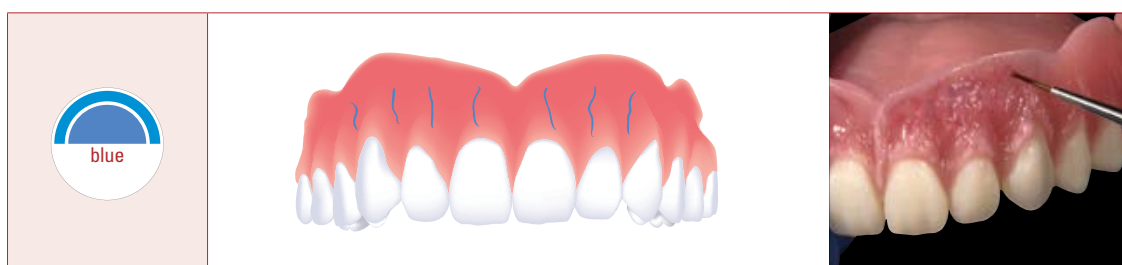
The alveolar arches are then recontoured with the mixture of VITA AKZENT LC EFFECT STAINS white and pink.



Below the tapering alveolar arches, the exposed gingiva is reproduced with dark-red.



In the area of the oral mucosa, fine arterial vessels are reproduced with VITA AKZENT LC EFFECT STAIN dark-red.



Fine venous vessels on the labial shield are imitated with VITA AKZENT LC EFFECT STAIN blue.



➤ Result after anatomical reproduction on the labial shield of the denture.



4. Polymerization

Please note:

- All surfaces must be completely polymerized and hard. There must be no sticky surfaces.

Tip:

- After final polymerization, polish the glazed surface with a suitable polishing paste (such as VITA Polish Hybrid, for example) and a soft goat hair brush. Then use a dry cotton buff to achieve the final gloss.

Note:

- **For polymerization of VITA AKZENT LC, a light-curing device is required with light sources that emit rays in the wavelength range of < 430 nm!** This requirement is met by numerous common light-curing units that emit light in the wavelength range of 350 to 500 nm.
- For fast and safe curing, temperatures of 60 °C - 80 °C in the polymerization chamber must be ensured. Temperatures above 90 °C must be avoided.

For information about polymerizing, please refer to the VITA AKZENT LC Instructions for use, No. 10613.

Note:

- You can find the latest information on the recommended polymerization devices at: www.vita-zahnfabrik.com/akzentlc



5. Technical data/information

Patient target group:

- No restrictions

Intended user

- Dental professionals only: dentist and dental technician

5.1 Indication

VITA AKZENT LC
Approved for:
<ul style="list-style-type: none"> ◦ Restorations made of hybrid ceramic (VITA ENAMIC) ◦ Restorations made of light-curing material (e.g., VITA VM LC) ◦ Restorations made of CAD/CAM composites (e.g., VITA CAD-Temp) ◦ Prefabricated teeth (e.g., VITAPAN) ◦ Denture bases (e.g., VITA VIONIC BASE) ◦ Restorations and denture bases made of 3D-print acrylic polymers

5.2 Contraindications







VITA AKZENT LC
Not approved for:
<ul style="list-style-type: none"> ◦ Intraoral use ◦ Patients with allergies or sensitivities to the ingredients ◦ Do not use on occlusal contact points of restorations

5.3 Storage information


Note:

- Store VITA AKZENT LC at 4 °C to 25 °C (39 - 77 °F).
- Storage in a refrigerator is recommended.
- Do not use after the expiration date.
- The products labelled with a pictogram for hazardous substances are to be disposed of as hazardous waste. Recyclable waste (such as attachments, paper and plastics) must be disposed of using appropriate recycling systems. If necessary, contaminated product residues should be pretreated in accordance with regional regulations and disposed of separately.


5.4 Symbol explanations

Manufacturer VITA Zahnfabrik		Manufacturing date	
Shelf life		Protect from sunlight	
Storage temperature		Lot number (batch)	LOT
Product number	REF	Medical device	MD
Refer to instructions for use			

5.5 Safety at work/health protection

	<p>Safety at work and health protection</p>	<p>When working with the product, wear suitable safety goggles/face protection and light respiratory protection.</p>
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5.6 Safety data sheets

VITA AKZENT LC EFFECT STAINS/CHROMA STAINS/GLAZE		
	Danger	<ul style="list-style-type: none"> • Highly flammable liquid and vapor. • Causes skin irritation. • May cause allergic skin reactions. • Causes serious eye damage. • May cause respiratory irritation. • Harmful to aquatic life with long-lasting effects • Wear protective gloves/protective clothing/eye protection. • Keep the container tightly closed. • Protect from heat. No smoking.

! Please note:

- Avoid contact of uncured material with the skin.
- Avoid contact of the material with clothing.
- VITA AKZENT LC is volatile and may cause respiratory irritation. Use the product in a well-ventilated room. Put the cap back on after use.

📖 Note:

- Please refer to the corresponding safety data sheets for detailed information.
- The corresponding safety data sheets can be downloaded at www.vita-zahnfabrik.com/sds.



5.7 General notes on handling

Product safety:

- Information on reporting serious incidents in connection with medical devices, general risks associated with dental treatments, residual risks and (if applicable) short clinical safety and performance reports (SSCPs) can be found at https://www.vita-zahnfabrik.com/product_safety



5.8 VITA system solutions

Shade determination



- For digital shade determination, use **VITA Easyshade V**, and for visual shade determination, use a **VITA shade guide**.

Manufacturer restorations



- Create metal substructures or monolithic restorations using **VITA ENAMIC** hybrid ceramic, as well as composites and full/partial dentures using VITA prefabricated teeth and VITA VIONIC BASE or acrylic polymers for 3D printing.

Veneering



- Veneer metal substructures and anatomically reduced restorations made of hybrid ceramic or composite with the **VITA VM LC** veneering resin.

Characterization Glaze



- Shade the restorations using **VITA AKZENT LC STAINS** and seal the surfaces using the light-curing glaze **VITA AKZENT LC GLAZE**.

Polymerization



- Use a **polymerization device recommended** by VITA for light curing.

Polishing



- Use **VITA Polish Hybrid** to repolish surfaces characterized with **VITA AKZENT LC**.

Bonding



- Apply full or self-adhesive bonding with **VITA ADIVA LUTING SOLUTIONS**.

WE ARE HAPPY TO HELP

More information about the products and processing is also available at www.vita-zahnfabrik.com



Hotline Sales Support

Mrs. Carmen Holsten and her (Internal Sales Department) will be glad to assist you with orders or questions about the delivery, product data and marketing materials.

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Technical Hotline

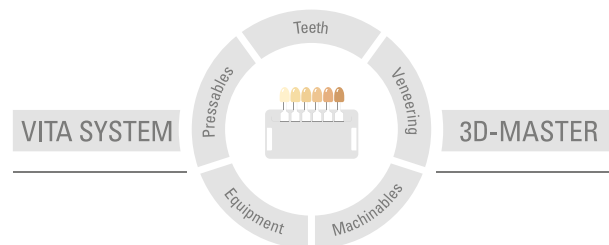
If you have technical questions concerning VITA product solutions, you can contact Dr. Michael Tholey and his technical service team.

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Additional international contact information can be found at www.vita-zahnfabrik.com/contacts



You can find more information on VITA AKZENT LC at:
www.vita-zahnfabrik.com/akzentlc



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: 2023-04

After the publication of this information for use any previous versions become obsolete. The current version can be found at www.vita-zahnfabrik.com

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

CE0124
VITA AKZENT® LC

Rx only (only for professional use)  

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