

VITA tooth shade determination

Always on the cutting edge for the perfect contemporary tooth. Since 1924.



VITA shade determination

VITA shade communication

VITA shade reproduction

VITA shade control

Date of issue: 02. 17

VITA shade, VITA made.

VITA

VITA classical A1–D4®

VITA Toothguide 3D-MASTER®

VITA Linearguide 3D-MASTER®

VITA Bleachedguide 3D-MASTER®

VITA Easyshade® V

To deliver superior performance, experience is required. A forward-looking approach depends on traditional values as well.



Dear business partners, customers and industry professionals from the world of esthetic dentistry and dental technology,

Every technological development we have launched on the market over the course of our nearly 100 years of company history, was and is, the result of our unique experience in this field. Passion for our core competency in tooth shade determination, state-of-the-art expertise and a desire for optimization, are the powerful values driving this experience. Motivated by your trust in our solutions, we use the comprehensive knowledge that we have accumulated to shape the future each day, to set new benchmarks, and where possible, to exceed your expectations in providing tooth shade determination that is second to none.

Our focus is on precise tooth shade reproduction. This also includes establishing reliable processes in laboratories and dental practices, improving the workflow, saving time and money, and ultimately, producing esthetic results. As a company that is focused both on research and on solution development, these are the principles that we follow. We do this by providing dentists and dental technicians worldwide with technically outstanding innovations that support the entire life cycle of dental prosthetics. When we talk about customer satisfaction, we are also talking about the satisfaction of our customers' customers. As I said, our goal is to provide solutions. And the best solutions are those that are developed collaboratively.

As an independent, family-run company, we have remained true to our values and are focused on our relationship with our customers. Reliability and partnership are factors that we cultivate, and are cornerstones that are firmly anchored in our tradition and role as a market leader.

In the spirit of tradition and innovation, warm regards from

Henry Rauter
Managing Partner



1956 Introduction of the first uniform shade standard VITAPAN classical A1–D4, later followed by VITA classical A1–D4®.



2004 VITA Easyshade® 1st generation

1924 Targeted research of tooth shades as well as the first shade guides



1998 VITA SYSTEM 3D-MASTER® VITA Toothguide 3D-MASTER®
Tooth shades could be systematically determined and reproduced for the first time



A company with added value. And with roots and vision.

Change equals motion, which equals the future. This is a phrase that describes the dynamic process we've taken since our foundation in 1924, and the path we've followed to develop into an internationally renowned specialist in tooth shades. For example, we were the first dental company to describe natural tooth shades in scientific fashion and to document them in the form of shade guides that have become the international standard.

Firmly grounded in this competency, VITA is a strong and reliable partner for dental practices and laboratories. The fact that internationally, 4 out of 5 tooth shades are now determined using one of our systems, underlines the importance of our solutions in natural, esthetic tooth reproduction. We consider this to be both a motivational factor as well as a responsibility in terms of quality assurance and with regard to our consistent, innovative commitment at VITA. This dedication provides you with clear benefits that offer considerable potential for added value:

- **Fast and reliable tooth shade determination**
- **Precise and complete communication of the correct tooth shade**
- **Two established shade systems for all your needs – from standard dental prosthetics to highly-esthetic restorations**

OVERVIEW

- Highly experienced: For almost 100 years, we have been the leading, worldwide provider of solutions for tooth shade determination
- Thinking constructively, thinking ahead: our solutions always focus on the procedural benefits for laboratories and dental practices
- We put our heart and soul into our business: as an independent, family-run company, we remain true to our values, including our solution-oriented approach, awareness of quality and customer proximity.



2008 VITA Linearguide 3D-MASTER®
VITA Easyshade® Compact



2015 VITA Easyshade® V

2007 VITA Bleachedguide 3D-MASTER®
Tool for planning and monitoring
the tooth whitening process

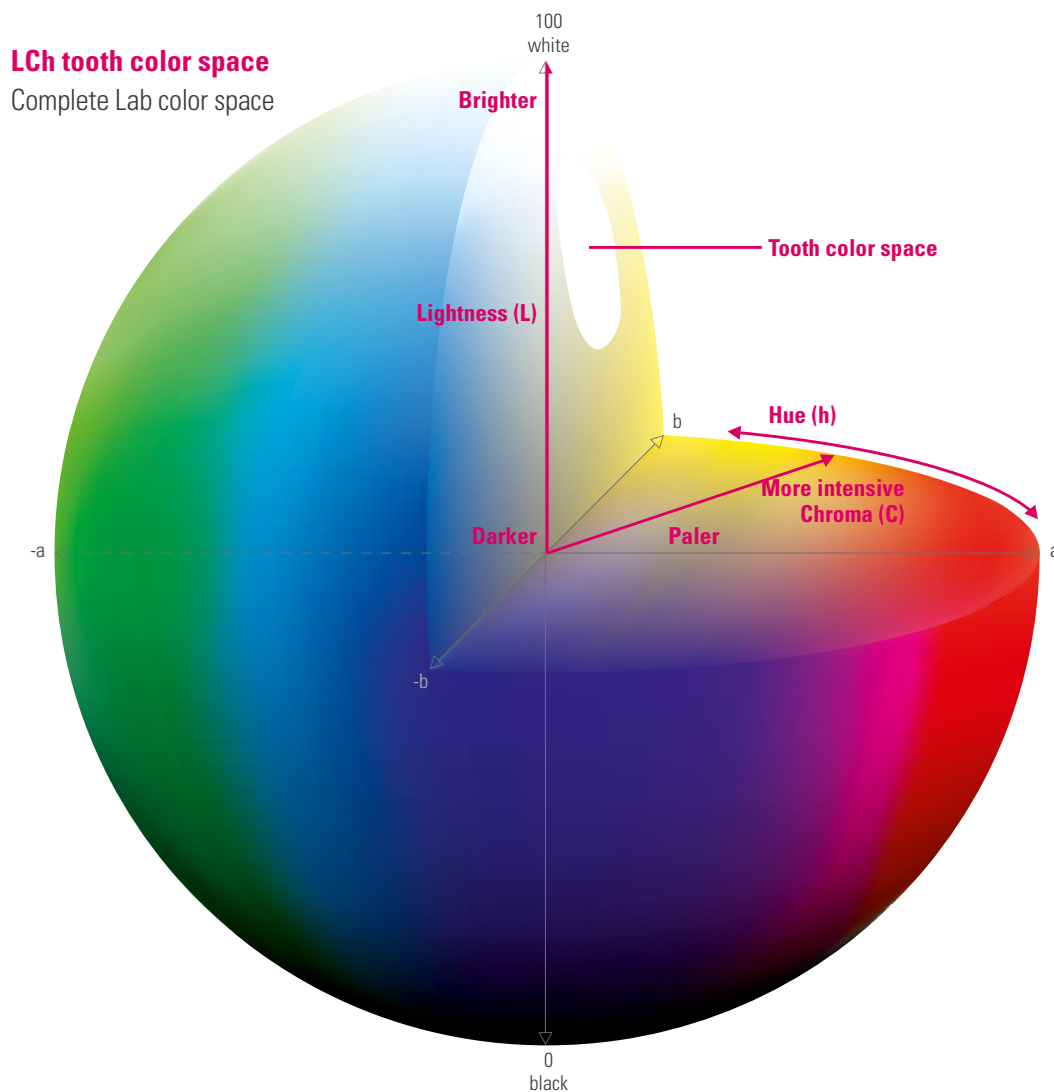


2013 VITA Easyshade® Advance 4.0



Scientific background.

From the color space to the tooth shade system.



A world of colors. A color for life.

Lightness, chroma and hue are the characteristics, and the basis, on which all natural shades can be uniquely defined. The entire color spectrum can be represented as a sphere, which is effectively a globe of colors. It contains an area comprised of natural tooth shades; a small section in the yellow-red range.

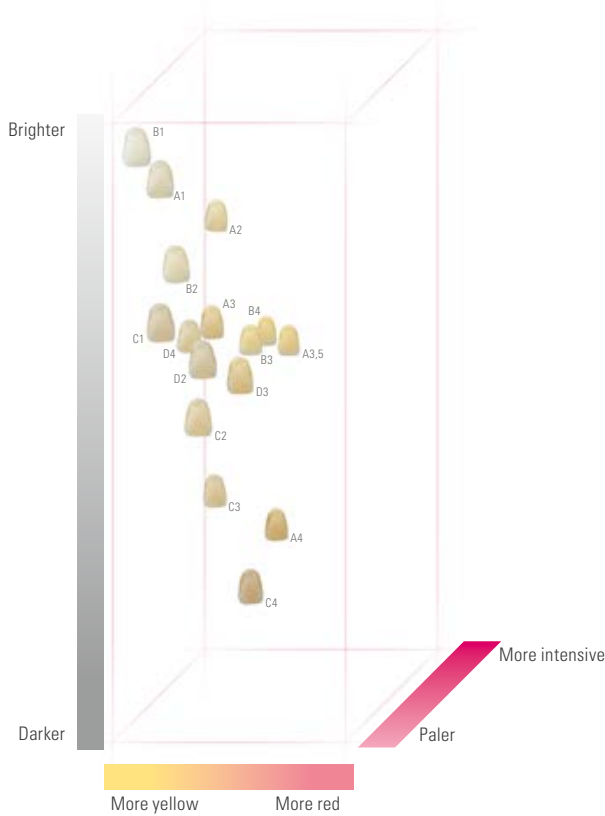
Colors can be uniquely described in quantitative fashion by specifying numerical values for the three mutually independent elements of L (lightness), C (chroma) and h (hue). On the basis of this scientific finding, VITA developed solutions for tooth shade determination and communication that provide a crucial foundation for laboratories and dental practices in order to facilitate dental prosthetics that offer precisely the right shade for every patient. For patients, this plays an incredibly important role in their confidence and comfort level.

VITA classical A1–D4® and VITA SYSTEM 3D-MASTER®

On the market since 1956, the 16 shades of the VITA classical A1–D4 shade guide provide a worldwide standard, acting as a reference system in tooth shade determination. Their effective reproduction of natural tooth shades was raised to a whole new level with VITA SYSTEM 3D-MASTER. Based on systematic research of the distribution of natural tooth shades within the color space, the development of VITA SYSTEM 3D-MASTER provides a solution that facilitates the exact description, communication and reproduction of each patient's tooth shade.

VITA solutions.

The route to the right tooth shade must be a reliable one.

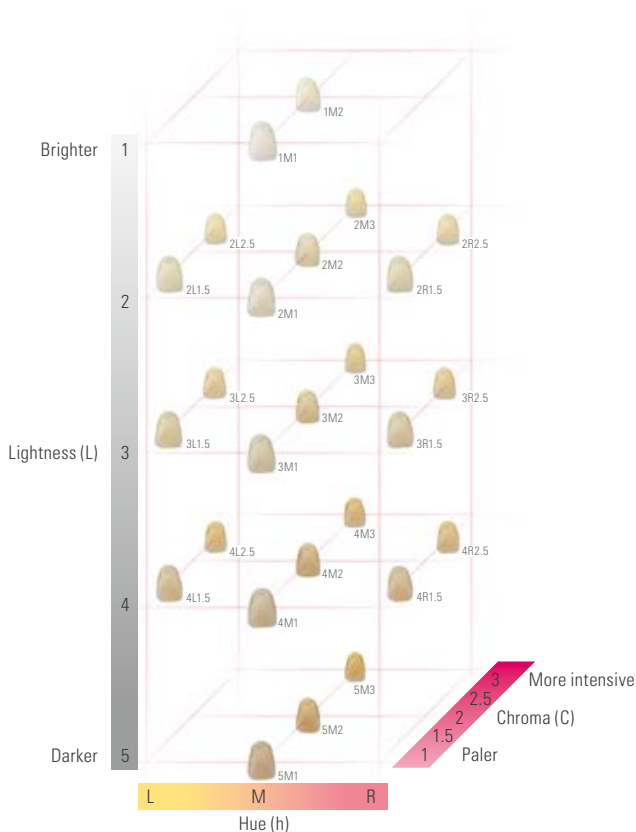


Schematic, simplified representation

VITA classical A1-D4®. A simple yet effective basis.

The most important facts and system characteristics:

- Tooth shade determination in just a single step
- An internationally established system for more than 50 years
- 16 shade samples
- Practical shade sample sequence based on hues and empirical findings

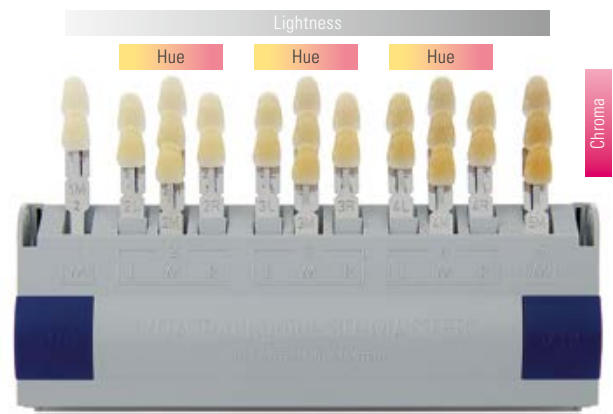


Schematic, simplified representation

VITA SYSTEM 3D-MASTER®. Modern efficiency

The most important facts and system characteristics:

- Shade sample sequence for optimum coverage of the color space of natural teeth in accordance with scientific rules
- Reliable tooth shade reproduction, also of intermediate hues
- 26 natural shade samples comprehensively cover the natural tooth color space
- Longstanding and internationally proven system for the most demanding esthetic needs



VITA shade guides.

Beautiful teeth visible at a glance – a million times over.

Performance based on a reliable system.

Establishing and maintaining esthetic and healthy teeth – that is always the focus of individual consultations, examinations and treatments.

The tooth shade provides the finishing touch in superior quality for services of this kind, and is the mark of quality that is always visible. Natural reproduction in this respect is a daily challenge. After all, natural tooth shades differ in terms of lightness, hue and chroma. And depending on the individual interplay of these factors, this has an impact on the entire restoration process. It is good to have a partner like VITA at your side who offers efficient, proven support.

Tips on determining tooth shade with a VITA shade guide.

By practitioners for practitioners.

- Wherever possible, determine the tooth shade using a standardized daylight lamp
- Make sure that the surroundings are neutral in terms of color. Lipstick and cosmetics should be removed, and bright clothing covered by a grey cape
- Make your selection quickly. In case of doubt, trust your initial decision as the eye already tires after approx. 5 - 7 seconds
- Disinfect the shade guide every time after performing shade determination

"VITA tooth shade systems enable reliable, clinically-proven tooth shade determination"

Dr. Karl Martin Lehmann,
Associate professor

University Medical Center of Johannes
Gutenberg University in Mainz and
Dr. Lehmann's dental practice in Bonn



VITA classical A1–D4®

The basic solution with a bonus.



VITA classical A1–D4® shade guide with VITA Bleached Shades

- Tooth shade determination in a single step
- 16 natural, empirically induced tooth shades
- In addition, three shades for tooth whitening using VITA Bleached Shades
- Simple shade selection thanks to quick comparison of shade samples with the natural tooth
- Possibility of sorting in accordance with visually perceived levels of lightness

VITA SYSTEM 3D-MASTER®

Linearguide, Bleachedguide and Toothguide. Efficient shade determination.



VITA Linearguide 3D-MASTER®

- Tooth shade determination in two steps
- Trusted tooth shade determination thanks to classic, linear handling
- 26 natural and systematically arranged tooth shades; in addition, three shades for tooth whitening (VITA Bleached Shades)
- Clear organization of the shade samples in terms of lightness, chroma and hue
- Easy use that is self-explanatory
- Possibility of creating intermediate shades by mixing



VITA Bleachedguide 3D-MASTER®

- Instrument for determining the level of lightness for the tooth whitening process (bleaching) in just a single step
- 29 levels of lightness based on VITA SYSTEM 3D-MASTER
- Realistic depiction of tooth whitening, as well as simple communication with the patient, thanks to a clear and transparent structure



VITA Toothguide 3D-MASTER® with Bleached Shades

- Tooth shade determination in three steps
- 26 natural and systematically arranged tooth shades; in addition, three shades for tooth whitening (VITA Bleached Shades)
- Clear organization of the shade samples in terms of lightness, chroma and hue
- Possibility of creating intermediate shades by mixing

OVERVIEW

- Small but significant: the area comprising the natural tooth shades is just a small section within the entire color spectrum. However, it provides its own world of color based on the factors of lightness, chroma and hue
- Simple and good: the VITA classical A1–D4 system is a basic solution that offers 16 natural tooth shades and one that has been internationally established for decades
- Structured, enhanced, established: the VITA SYSTEM 3D-MASTER, which offers 26 natural tooth shades, has also been used successfully around the world for many years

VITA Easyshade® V

Perfect shade determination, maximum reliability.

VITA Easyshade V is a digital shade measurement device for determining the shade of natural dentition, whitened teeth and ceramic restorations precisely, quickly and independently of the ambient environment.

VITA Easyshade V supports dentists and dental technicians with everything from tooth shade determination and communication, to reproduction and checking the shade of the finished ceramic dental restoration, improving process reliability.

VITA Easyshade V offers dental practices and laboratories efficient and reliable support with:

- optimum selection of suitable composites for direct restorations, CAD/CAM and veneering materials and prosthetic teeth
- professional planning and documentation of whitening treatments
- manufacturing of layered ceramic restoration thanks to display of shade gradients and deviations
- quality testing of layers ceramic restorations with regard to a target tooth shade
- smooth communication between practice and laboratory thanks to professional communication tools





PRODUCT DETAILS:

- Spectrophotometer with a measuring range of 400 - 700 nm
- Basic shade measurement, average measurement and tooth area measurement
- Measurement results in the worldwide established standard shade systems VITA classical A1 -D4, VITA SYSTEM 3D-MASTER and VITABLOCS shades as well as indication of tooth bleaching shades in accordance with the American Dental Association standard
- Display of lab and LCh values
- Bluetooth interface for wireless communication with the VITA Assist PC software and VITA mobileAssist app
- Ergonomic, seamless design for maximum hygiene
- Intuitive operating concept and brilliant color touch display
- Inductive loading station with durable AA batteries incl. self-discharge protection

"Tooth shade determination is a key factor in the success of prosthetics; in this respect, correct shade determination is crucially important for the dentist, the laboratory and the patient. In terms of cost, accuracy and clinical process reliability, this is best achieved using VITA Easyshade Advance 4.0"

Prof. Dr. Alexander Hassel,
University of Heidelberg and
the "Augustaanlage" dental practice and
clinic in Mannheim

VITA mobileAssist. Mobile communication of tooth shades couldn't be simpler.

Thanks to the convenient smartphone app VITA mobileAssist, transferring tooth shade information between the practice and the laboratory just got easier. The data of the VITA Easyshade V, as well as of VITA Easyshade Advance 4.0, is wirelessly transmitted to the app in a few seconds, via an internal Bluetooth interface, and can be combined with a patient photo and sent using email. In this way, you can perform tooth shade communication using mobile technology at any time and can transfer all relevant information conveniently with your smartphone or tablet.



VITA Assist. Professional tooth shade communication and documentation for the practice and laboratory

- PC software with VDDS interface
- Wireless transmission of the VITA Easyshade data
- Combination of the tooth shade information with digital patient photos
- Professional graphics processing of patient photos for optimum documentation
- Integration option of digital X-ray images, detail photos and contour images
- Versatile comment functions



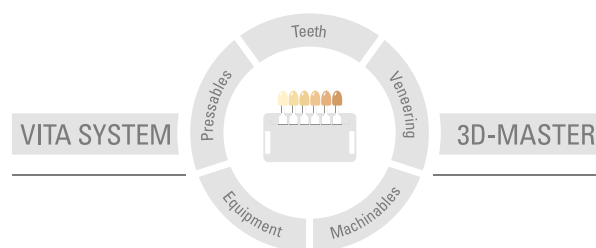
VITA systems.

Perfect solutions during processing



* Note "Optional process steps/firing": The feldspar and hybrid ceramic materials can be seated directly after milling and polishing. The following process steps mentioned above are optional for feldspar ceramic. The same steps are required for the hybrid ceramic, but with the hybrid ceramic, firing must not be carried out. When using zirconia, sinter firing is carried out prior to characterization/individualization.

With the unique VITA SYSTEM 3D-MASTER®, all natural tooth shades can be systematically determined and perfectly reproduced.



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 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. Furthermore, our liability for the accuracy of this information is independent of the legal basis and, in as far as legally permissible, shall always be limited to the value as invoiced of the goods supplied, excluding value-added tax. In particular, as far as legally permissible, we do not assume any liability for loss of earnings, indirect damages, ensuing damages or for third-party claims against the purchaser. Claims for damages based on fault liability (culpa in contrahendo, breach of contract, unlawful acts, etc.) can only be made in the case of intent or gross negligence. The VITA Modulbox is not necessarily a component of the product.

Date of issue of this information: 02.17

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

VITA Easyshade® **V** bears the CE mark in accordance with the EC directives 2006/95/EC, 2004/108/EC and 2011/65/EC.

VITA

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