The tooth shade system that makes shade matching simple
"The Vita 3D-Master Shade Guide has been developed logically, with incremental relationships between the various shade tabs, an organizationally structured series of family and color groupings, and a range that covers the entire tooth-visible color envelope. The 3D-Master Shade Guide is designed for ease of learning and ease of use."

- George Freedman, DDS
  Ontario, CAN

"The 3D-Master shade matching system covers the shades of natural teeth significantly better than any previous shade system and has significantly reduced mistakes."

- Ed McLaren, DDS
  Director, UCLA Center for Esthetic Dentistry

"The Vita 3D-Master Shade Guide is as close to nature as you can get. Great results have never been easier!"

- Nelson A. Rego, CDT
  Downey, CA

"The 3D-Master Shade System is the most thought out shade system that I have ever seen. An unbelievable tool in mastering natural dentition."

- Arne Larsen, CDT
  Seattle, WA

"The Vita 3D Shade Guide incorporates the concepts of lightness, saturation and color in an easy systemic way."

- Dr. Fay Goldstep, DDS
  Ontario, CAN
For 50 years, dentists around the world have used the VITA® Classical (Lumin Vacuum) shade guide for their shade selection needs. The 16 shades in this revolutionary guide have earned a permanent home in the international lexicon of dental terminology; whenever a familiar shade from this invaluable guide is prescribed (such as A2 or C1), it is for the sole purpose of providing satisfaction to both dentist and patient.

Now, VITA has opened a completely new chapter in the area of tooth color selection: The 3D-Master® Shade System. For the first time, a shade system provides a systematic arrangement of virtually all existing natural tooth shades and integrates them into one easy-to-use shade guide. The VITA 3D-Master Shade System dramatically improves the communication between the dentist and dental technician.

Explore the VITA 3D-Master Shade System for yourself and discover how easy it is to determine incredibly precise, natural shades.
The “correct” shade is more than a question of perception

The 3D-Master Shade Guide addresses the critical elements of tooth shade measurement, which have previously been unexplored by other shade systems, such as a systematic arrangement of shades within the natural tooth color space and an objective, numerical measure of color.

All of the colors that can be perceived by the naked eye are contained in the color sphere pictured below. The vertical axis is a measure of VALUE, or the amount of black or white in a color. The horizontal axis is a measure of CHROMA, or the intensity of the color, and the axis that swivels around the sphere is the HUE, or the color itself.

VITA studied many thousands of patients around the world and found that the range of natural tooth shades are contained in a banana-shaped area of the color sphere; teeth are white in value, with a slight reddish-orange hue and of moderate chroma.
When measured with a digital color spectrophotometer, the shades of the VITA Classical (previously Lumin Vacuum) shade guide are shown to inconsistently cover the banana-shaped area of natural tooth shades. Note the clustering of shades and gaps; some shades even fall outside the range of what is considered a natural tooth color.

The VITA 3D-Master shade guide offers consistent, even distribution of shades within the tooth color area, providing consistent coverage of the range of natural tooth color as well as making the determination of intermediate shades much easier.
The VITA 3D-Master Shade System makes shade taking fast and easy

When taking a patient’s shade, the dentist has three simple steps to follow: First, determine the value (lightness) by selecting the closest match from one of five value groups. Second, determine the Chroma within the value group from three choices. Third, pick the hue by determining if the tooth has a more yellow or red cast.

1. **Determine the lightness level (value)**
   - Hold shade guide to patient’s mouth at arms length
   - Start with darkest group moving right to left
   - Select Value group 1, 2, 3, 4, or 5

2. **Select the chroma**
   - From your selected Value group, remove the middle tab (M) and spread the samples out like a fan
   - Select one of the three shade samples to determine Chroma

Alternative method for determining lightness level (step 1):
- Remove all tabs except the middle “M” tabs
- Select Value group
  (Pictured with bleach “0” tabs)
Determine the hue
- Check whether the natural tooth is more yellowish or more reddish than the shade sample selected.

3

Final shade!

Bleached and Intermediate shades are easily reproduced

1:1 mixture of adjacent shades creates an exact intermediate shade

In the exceptional situation where a shade falls between two 3D-Master shades, it is easy to determine and reproduce an exact intermediate shade by mixing the materials of the two adjacent shades in a 1:1 ratio. Unlike other shade systems there is only one discernable intermediate shade system between any two adjacent shade tabs with the VITA 3D-Master Shade System.

The VITA 3D-Master Shade System bleached tab allows dentists to create bleached restoration shades. The bleached tab follows the same scientific principle as the 3D guide, permitting very precise restorations for those “whiter-than-white” smiles.
Now there’s an even faster and easier way to measure accurate shades regardless of differences in color perception

The VITA Easyshade® incorporates multiple color spectro-photometers at varying angles for the measurement of exceptionally accurate shades. In fact, the VITA Easyshade precisely measures 16 VITA Classical shades, 29 VITA System 3D-Master® shades and even those hard-to-see intermediate shades. Bleached shades are easy to measure as well!

You are free to prescribe over 100 shades... shades that your lab can easily reproduce.

“Our ceramists and quality control people find the VITA Easyshade easiest and most accurate and give it a 9 (out of 10).

- Rudy Ramirez, CDT
  General Manager
  Fixed Prosthodontics
  Glidewell Laboratories
  Newport Beach, CA

“Often teeth dehydrate during the visual shade assessment, this machine takes only seconds”

- J. Braun, DDS, MS
  Private Practice, Saginaw, MI

“The age-old challenge of taking an accurate shade has been simplified. The VITA Easyshade has relieved my middle-aged eyes of having to zero in on just the right porcelain shade.”

- Martin B. Goldstein, DMD
  Private Practice
  Wolcott, Connecticut

“The VITA Easyshade offers fast, accurate shade measurements with no loss of ‘down time’ that is typical with alternative devices. The payoff... exceptional aesthetic results!”

- Edward Lowe, DMD
  Private Practice, Vancouver, BC, Canada
The VITA Easyshade® measures a precise shade instantly and prescribes the best VITA shade under any lighting condition.

Measurements during the buildup process display the accuracy of the shade and where adjustment may be required.

The ceramist can verify any shade discrepancies from the initial build up bisque firing and know what to specifically adjust, regardless if the crown is in the bisque bake or pre-glazed, wet or dry!
The VITA 3D-Master System of Materials

The Perfect Choice for every indication

VITA's range of materials are designed to meet every restorative challenge. The VITA 3D-Master System offers exceptionally biocompatible, esthetic materials designed to satisfy the long-term and esthetic needs of even the most discriminating patient and doctor.

- VITA VM®7 - alumina - veneering porcelain
- VITA VM®9 - zirconia - veneering porcelain
- VITA VM®13 - alloy - veneering procelain
- 3D-Direct® microhybrid direct composite
- VITA Vitapan and Physiodens denture teeth
- VITA MARK II BLOCS for CEREC 3
- CEREC VITABLOCS® for CEREC 3
- VITA TriLuxe BLOCS for CEREC 3
Results that speak for themselves...

Tooth #8 restored with an inLab® milled In-Ceram Alumina coping veneered with VITAVM®7; tooth #9 restored with 3D-Direct composite.

courtesy of Dr. Todd Snyder and Mark Baker, CDT

Amalgam filling replaced with milled CEREC® onlay using VITABLOCS.

courtesy of Dr. Richard Masek

Prescribe 3D-Master Shades by name!
Clinical shade taking tips

Shade-taking should be carried out before the preparation since, due to dehydration, the tooth shade appears to be too white after the preparation.

Tooth shades should be determined in daylight or under standardized daylight lamps (e.g. OSRAM LUMILUX® DELUXE daylight 12-950) and not under operation lamps.

Make a swift selection; always accept your first decision, as eyes tire after 5-7 seconds.

Avoid bright colors in the shade-taking environment; no lipstick, tinted eyeglasses or bright clothes.

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<tr>
<th>ORDER NO.</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>GX69-900</td>
<td>VITA 3D-Master® Shade Guide</td>
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<tr>
<td>GX69-950</td>
<td>VITA 3D-Master® Bleached Shade Guide</td>
</tr>
<tr>
<td>E75-001</td>
<td>VITA Easyshade® Complete System</td>
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