

# VITA dental furnaces

Cost-efficient systems with the highest functionality.



VITA shade determination

VITA shade communication

VITA shade reproduction

VITA shade control

Date of issue: 02.19



VITA – perfect match.

**VITA**

## VITA VACUMAT® 6000 M/MP and VITA ZYRCOMAT® 6100 MS

Customize for individual requirements

**Three furnaces, one solution:**

**Modular construction for maximum flexibility and cost-effectiveness**

Reliable tools and systems are key to satisfaction. VITA's custom dental furnaces are designed to meet your individual needs. VITA dental furnaces allow customers to serve as the architect of their own furnace systems, comprehensively meeting the demand for cost-effective device technology and optimized processes. Thanks to its modular structure, this innovative concept enables users to achieve the ideal custom solution when configuring their own firing system.



Unparalleled in the dental industry, the system is comprised of the VITA VACUMAT 6000 M premium firing unit, the VITA VACUMAT 6000 MP combipress and firing unit and the HighSpeed sintering furnace VITA ZYRCOMAT 6100 MS. A choice of two different control units and various accessories complete the system. All VITA devices are developed and manufactured in Germany.

Simply choose the specific modules that you require – your system can be upgraded at any time. The VITA dental furnaces provide individuality and flexibility, and thanks to VITA Energy Efficiency, offer excellent cost-effectiveness.



## VITA VACUMAT® 6000 M Premium quality is standard



Standard accessories: VITA VACUMAT 6000 M



LED light bar

### User-focused

The fully automatic, microprocessor-controlled firing unit is ideal for all dental ceramic firing requirements. The dental furnace impresses with superb quality and esthetics, and offers outstanding firing results, user safety and convenience.

### Convincing down to the very last detail

Thanks to its optimum ergonomic design, the furnace takes up a minimum amount of space. Two integrated cooling trays support safe storage of fired objects, while the clearly visible operating status display and a choice of acoustic alerts reliably provide information on the operating status, even across longer distances.

The captivating design, available in one of six quality contemporary finishes (anthracite, crimson, sky blue, jet black, turquoise blue, traffic white), is esthetically pleasing for your work area.



New firing chamber materials

### **The latest generation of firing technology**

All materials and technical details have been tailored to customer and material requirements and optimized for the following goals:

- Perfect function
- Maximum service life with optimum reliability
- Support for the user in all tasks

### **With VITA VACUMAT 6000 M, you benefit from:**

- Innovative firing technology and high-tech materials inside the firing chamber for even better homogenous heat distribution
- A firing muffle with maximum durability ("Made in Germany") and reliable electronics for consistently excellent firing results
- An ergonomically optimized structure and modern design
- A variety of monitoring and service programs are included for maximum safety, speed and convenience while working. For example:
  - Automatic prevention of condensation in the firing chamber (VITA AntiCon)
  - Automatic temperature adjustment to  $\pm 1$  °C every time a program is started (VITA AutoAdjust)
  - An automatic cleaning function (VITA SpecialClean)
  - Controlled fast cooling and energy-saving night mode (VITA Energy Efficiency)
  - Power supply failure protection



**VITA VACUMAT® 6000 MP** Our maxim is efficiency



Pressing attachment

**Firing and pressing perfectly combined**

This combipress unit combines all the advantages of a modern firing and press furnace with a compact design that sets new standards. VITA VACUMAT 6000 MP features all the programs and functions of VITA VACUMAT 6000 M. It can also be used to press all commercially-available press ceramics, and is suitable for a wide variety of muffle systems. The automatic detection of the number of pellets that have been used prevents any pressing errors (VITA PressControl).





Standard accessories: VITA VACUMAT 6000 MP

### **Maximum reliability.**

With the ceramic press technology from VITA (VITA CPress), long run times and fault-free operation are standard. Unlike mechanically or electrically-operated press furnaces, VITA furnaces are pneumatically driven. This method is significantly better suited to the required press forces, with almost no wear and tear.

### **With VITA VACUMAT 6000 MP, you can benefit from:**

- all the features of the VITA VACUMAT 6000 M
- VITA-developed fault-free ceramic pressing technology (VITA Cpress)
- Premium quality with innovative firing and press technology
- An ergonomically optimized setup and modern design
- Press path monitoring with automatic detection of the number of pressing pellets used (VITA PressControl)



## VITA ZYRCOMAT® 6100 MS Measurable benefits



**VITA ZYRCOMAT 6100 MS offers a choice of three sintering modes: HighSpeed, conventional and user-defined. The ultimate in flexibility!**



Standard accessories: VITA VACUMAT 6100 MS

### **Unbeatable performance at the highest temperatures Benefit from the VITA ZYRCOMAT 6100 MS.**

Developed and manufactured entirely in Germany, the VITA ZYRCOMAT 6100 MS delivers:

- Homogenous distribution of heat inside the sintering chamber
- Fully automatic calibration with guaranteed temperature accuracy (VITA AutoAdjust)
- Extended service life and long-term energy-saving operation (VITA Energy Efficiency)
- Gentle sintering of all conventional materials, such as white and highly-translucent industrially and manually pre-colored zirconia in all operating modes, for consistent and convincing firing results





LED light bar

### **Acoustic. Optical. Sophisticated.**

An LED light bar and freely adjustable acoustic alerts provide reliable information on firing progress, even across longer distances.

The ventilation system also sets new standards. The unit is cleverly designed so that rising heat is safely routed away from the electronics.

As a result, the electronics are continuously protected against thermal loads.

### **Superior equipment with**

- HighSpeed sintering in 80 minutes (VITA HighSpeed)
- HighSpeed sintering of bridge frameworks with up to 14 units
- Sintering of all ceramic dental framework materials based on  $ZrO_2$  and  $Al_2O_3$
- Gentle, stress-free sintering in all modes through controlled cooling up to 200°C
- VITA PreDry; integrated low-temperature pre-drying with seamless transition to sintering
- VITA SpecialClean – regenerating cleaning function with integrated reconstruction of the glass protective coat of the heating element
- Optional modular system upgrades for greater flexibility and cost-effectiveness
- The quietest, fastest and most compact furnace in its class

### **HighSpeed sintering for everyone**

Fast. Faster. ZYRCOMAT.

You too can maximize your output with VITA ZYRCOMAT 6100 MS.



## VITA vPad Two models for all your requirements.

VITA vPad comfort



VITA vPad excellence



### Options enable flexibility

VITA vPad comfort and VITA vPad excellence – both control units offer an intuitive, user-friendly interface, as well as intelligent software that automatically corrects invalid entries. Making your work easier, more convenient and more reliable. Whether you are a conservative practitioner who wants to simply and safely achieve the perfect firing result, or an individual who wants an exclusive and convenient solution – with VITA vPads, there is something for every requirement.

### Maximum cost-effectiveness

VITA vPads offer maximum cost-effectiveness and efficiency. The VITA vPad excellence allows you to control up to four dental furnaces. There is no need for an additional control unit if further firing, combipress or sintering furnaces are purchased.

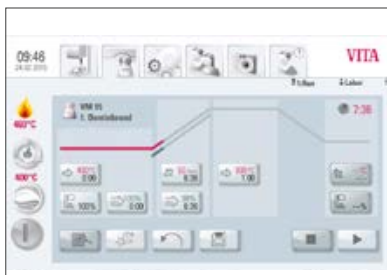
## VITA vPad comfort Easy. Proven. Reliable.



### VITA vPad comfort

The VITA vPad comfort control unit not only boasts an innovative and stylish design, it also offers an unprecedented level of operating convenience. A 10" TFT display of the newest generation with intuitive symbols and an integrated photo viewer offers convenient operation.

### Features and functions

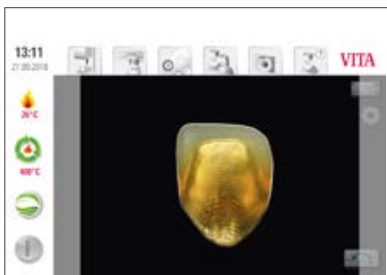


#### Programs

- 500 customizable firing, pressing and sintering programs
- Pre-installed firing programs for immediately starting the firing
- Program modification while a program is running
- Integrated working instructions for all VITA materials

#### USB

- A USB port for connecting a mouse or PC keyboard
- Simple transfer of firing programs to other vPad comforts via a USB flash drive for process optimization
- USB drive for updating



#### Photo viewer

- With various functions for displaying and saving patient photos
- 1 GB of memory

#### Monitoring and service functions

- Proof of quality as all firing data is saved (FDS - Firing Data System)
- Energy-saving night mode (VITA Energy Efficiency)
- Display of operating hours for the unit and firing muffles
- VITA AntiCon – automatic function for prevention of condensation
- PDP\* function (\*Personal Data Protection) for saving custom settings
- Freely selectable acoustic alerts for the current operating status
- **Two**-year equipment warranty

## VITA vPad excellence Say hello to the future



### VITA vPad excellence

The highest quality standards are customary for VITA, and are demonstrated with the top model VITA vPad excellence. This control unit offers the user maximum functionality and operating convenience, for optimal ease of use.

The 10-inch TFT display with self-explanatory symbols and an integrated photo viewer, as well as a host of additional extras, offers even more convenient and exclusive intuitive "one-touch" operation for controlling up to four firing units.

### Features and functions

VITA vPad excellence offers all the options and functions of VITA vPad comfort. The control unit also impresses with the following features:

- Control of up to **four** VITA firing units using a single control unit via a switchbox
- Vacuum supply of up to four VITA dental furnaces with just a single VITA vacuum pump, thanks to VITA MultiPump
- **10"** TFT display
- **1000** customizable firing, pressing and sintering programs
- All VITA materials and many competitor programs are already pre-installed for immediate start of firing
- Configuration of up to **eleven** user profiles with write-protection for personal programs (favorites) and custom settings
- **Two** USB ports for connecting a mouse and PC keyboard, card reader, USB flash drive for software updates or for uploading or downloading photos, profiles and firing programs
- Photo viewer with **two** GB of memory and advanced functions
- Integrated working instructions for all VITA materials
- Intelligent service cycle monitoring
- Digital assistance function, including video function
- 1 SD card slot
- Web browser via WLAN
- Quality assurance through firing data storage
- Freely designed desktops
- Guided initial setup
- Online update function via WLAN



### Programmed for the future

As demands and targets grow, so do VITA vPad options. You can configure up to 1000 customizable firing, pressing and sintering programs for all dental ceramic materials, or import / update these directly using a USB flash drive. The VITA vPad excellence offers you the latest updates via WLAN and the VITA vPad comfort allows you to install the latest updates via a USB drive.

## VITA FURNACE App For the perfect overview

The new VITA FURNACE App offers you the option of using VITA vPad excellence to communicate with the VITA VACUMAT 6000 M, VITA VACUMAT 6000 MP and VITA ZYRCOMAT 6000/6100 MS firing units over a WLAN connection.

The app can be downloaded for free from the App Store. The following system is supported: Android devices (smartphones & tablets) starting from Android 5.0.

The app offers you the following features:



### Status display

- Indicates the progress of the current firing program
- Improves and optimizes your process workflows and personal time management



### Messenger-function

- Sends a notification at the end of the firing program
- Avoids idle time



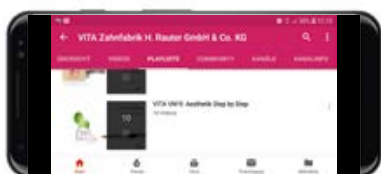
### Device data

- Device data can be viewed and sent directly to the VITA device service team



### Standby function

- Activates or deactivates the standby function via the VITA FURNACE app
- Avoids loss of time



### User videos for VITA materials

- Help tool that includes tips for improved VITA material processing

**VITA V60 i-Line®** Superior performance. No compromises.



**Focused on user-friendly operation.**

VITA combines maximum quality with proven technology. And with VITA V60 i-Line, VITA consistently meets these requirements. VITA V60 i-Line focuses on two key aspects: excellent long-term firing results and ease-of-use.

**Fulfill expectations**

Essential functions and unbeatable value provide effectiveness and ideal performance.

VITA V60 i-Line impresses with its touch display, intuitive user interface and the well-known, long-lasting VITA quartz muffle for perfect firing results. The stable metal housing and attachable cooling trays are extremely resilient and sturdy.





## VITA V60 i-Line® Your benefits



Outstanding firing results



Particularly user-friendly basic, service and control programs

- **User friendly** The touch display and the self-explanatory menu navigation make working with the VITA V60 i-Line very easy. The minimalist design and robust technology direct your focus to one central function: reliable firing.
- **Set up and get started** No complicated assembly process – simply connect, switch on and start working!
- **Made in Germany** Superior engineering skill and outstanding quality.
- **VITA quality:** the finest grade materials and components are used with just one goal: uncompromising reliability.
- **Easy servicing:** modular structure and easy access to all wear parts, as well as an organized arrangement, makes servicing easier and more cost-efficient.
- **High-performance ceramic furnace** A real workhorse. Extremely robust, with integrated protection against current fluctuations, as well as a particularly long-lasting VITA quartz muffle.
- **Focus on the essentials** A definitive, proven furnace concept that intentionally leaves out additional costly functions. This device delivers core functionality in reliable fashion.



"The VITA V60 i-Line is an example  
of everything I value in  
VITA dental furnaces: quality and  
perfect firing results."

*Daniel Sperlich (MDT)*

VITA



**VITA Energy Efficiency** Economy and ecology in harmony



Choose VITA dental furnaces and save money with every firing.



VITA Energy Efficiency offers you the following benefits for switching to the latest generation of VITA dental firing units:

- Reduce your energy bills by up to 70 %, compared to previous VITA models.
- Choose the long-lasting and energy-efficient materials used in VITA dental furnaces.
- Benefit from additional optimization measures, based on ongoing research in the area of VITA Energy Efficiency.



VITA V60 i-Line



VITA ZYRCOMAT 6100 MS



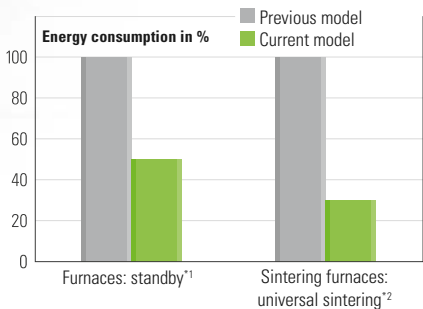
VITA VACUMAT 6000 M



VITA VACUMAT 6000 MP



Productive economic strategies  
and responsible  
resource management are not  
mutually exclusive,  
but go hand in hand.



<sup>1</sup> Comparison between VITA VACUMAT 4000 PREMIUM T and VITA VACUMAT 6000 M, results measured after one hour of operation.

<sup>2</sup> Comparison between VITA ZYrcomat and VITA ZYRCOMAT 6100 MS, results measured after one program cycle.

All measurement results were compiled by VITA Research & Development.

That is why the economical and resource-conscious utilization of energy are increasingly important decision-making criteria, with regard to investing in new equipment

Reductions in energy consumption are often only possible as a result of technical innovations. Thanks to superior-quality and energy-efficient material combinations, VITA dental furnace technology blends optimum product quality and performance with the certified VITA Energy Efficiency strategy.



## VITA VACUMAT® 6000 M/MP and VITA ZYRCOMAT® 6100 MS Your benefits



- **High efficiency** The one-touch operation significantly reduces process time. Operating up to four dental furnaces using a single control unit also offers significant cost savings.
- **Made-to-measure** The firing units are available in up to six designs and can also be further individualized with colored side panels. With VITA vPads, even the user interface can be adapted to suit your needs.
- **Flexible and future-proof** The firing system can be upgraded as required with an additional sintering, firing, or combipress furnace, so that you can also adapt the range of indications supported by your laboratory.
- **Excellent warranty and service package** Two-year warranty and provision of a replacement system within 24 hours (in Europe).
- **Premium is standard** Proven VITA firing technology "Made in Germany." The perfect partnership between heating elements and firing chamber materials, resulting in uniform heat distribution and ensuring consistently impressive firing results.



# VITA dental furnaces Configurator



VITA Zahnfabrik H. Rauter GmbH & Co. KG  
 Spitalgasse 3 · D-79713 Bad Säckingen · Germany  
 Tel.: +49 / 77 61 / 562-0 · Fax: +49 / 77 61 / 562-299

Dental dealer:	Customer:	Purchase order number:
		Date:




Illustration	Designation	Prod. No.	Quantity
	VITA VACUMAT 6000 M, <b>230 V</b>	DV6000M220	
	VITA VACUMAT 6000 M, <b>110 V</b>	DV6000M110	
	VITA VACUMAT 6000 M, <b>100 V</b>	DV6000M100	
	VITA VACUMAT 6000 M, <b>230 V</b>	DV6000MKR220	
	VITA VACUMAT 6000 M, <b>110 V</b>	DV6000MKR110	
	VITA VACUMAT 6000 M, <b>100 V</b>	DV6000MKR100	
	VITA VACUMAT 6000 M, <b>230 V</b>	DV6000MHB220	
	VITA VACUMAT 6000 M, <b>110 V</b>	DV6000MHB110	
	VITA VACUMAT 6000 M, <b>100 V</b>	DV6000MHB100	
	VITA VACUMAT 6000 M, <b>230 V</b>	DV6000MTS220	
	VITA VACUMAT 6000 M, <b>110 V</b>	DV6000MTS110	
	VITA VACUMAT 6000 M, <b>100 V</b>	DV6000MTS100	
	VITA VACUMAT 6000 M, <b>230 V</b>	DV6000MTB220	
	VITA VACUMAT 6000 M, <b>110 V</b>	DV6000MTB110	
	VITA VACUMAT 6000 M, <b>100 V</b>	DV6000MTB100	
	VITA VACUMAT 6000 M, <b>230 V</b>	DV6000MRW220	
	VITA VACUMAT 6000 M, <b>110 V</b>	DV6000MRW110	
	VITA VACUMAT 6000 M, <b>100 V</b>	DV6000MRW100	

## VITA dental furnaces Configurator



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Dental dealer:	Customer:	Purchase order number:
		Date:

Illustration	Designation		Prod. No.	Quantity
	<b>VITA VACUMAT 6000 MP                      combipress unit                      coated, anthracite                      (230 x 630 x 370 mm)</b>	VITA VACUMAT 6000 MP, <b>230 V</b>	DV6000MP220	
		VITA VACUMAT 6000 MP, <b>110 V</b>	DV6000MP110	
		VITA VACUMAT 6000 MP, <b>100 V</b>	DV6000MP100	
	<b>VITA ZYRCOMAT 6100 MS                      firing unit                      coated, anthracite                      (315 x 470 x 500 mm)</b>	VITA ZYRCOMAT 6100 MS, <b>230 V</b>	DZY6100MS220	
	<b>VITA V60 i-Line                      firing unit                      Powder coated                      (260 x 420 x 570 mm)</b>	VITA V60 i-Line, <b>230 V</b>	DV60I220	
		VITA V60 i-Line, <b>110 V</b>	DV60I110	
		VITA V60 i-Line, <b>100 V</b>	DV60I100	

## VITA dental furnaces Configurator

	<b>VITA vPad control unit</b>	<b>VITA vPad comfort</b> (for VITA VACUMAT 6000 M/ VACUMAT 6000 MP/ ZYRCOMAT 6100 MS)	DVPADCV1	
		<b>VITA vPad excellence</b> (for max. four VITA VACUMAT 6000 M / VACUMAT 6000 MP / ZYRCOMAT 6100 MS)	DVPADEV1	

	<b>VITA VACUMAT 6000 M and MP side panels: 1 set comprises 2 items.</b>	Side panel set: <b>blue</b>	D47002	
		Side panel set: <b>mint green</b>	D47003	
		Side panel set: <b>pink</b>	D47004	
		Side panel set: <b>apricot</b>	D47005	
		Side panel set: <b>white</b>	D47006	
		Side panel set: <b>dark gray</b>	D47007	
	<b>VITA ZYRCOMAT 6100 MS side panels: 1 set comprises 2 items.</b>	Side panel set: <b>blue</b>	D53000	
		Side panel set: <b>mint green</b>	D53001	
		Side panel set: <b>white</b>	D53002	
	VITA number set (magnetic, numbers 1-4)		D47008	
	VITA SWITCHBOX for multi furnace operation (for max. 4 VITA VACUMAT 6000 M/MP/ZYRCOMAT 6100 MS units), order as of second furnace.		D47009	
	<b>320 x 210 x 110 mm 6.4 kg</b>	VITA vacuum pump 230 V	DVPU220	
		VITA vacuum pump 110 V	DVPU110	
		VITA vacuum pump 100 V	DVPU100	
	<b>1 CD</b>	FDS software for PC	D34230NG	
	VITA MultiPump (only for VITA VACUMAT 6000 M/MP) for vacuum supply of up to four firing furnaces with only one vacuum pump. To be ordered as an accessory to the VITA vacuum pump from the second dental furnace. Only to be used in combination with VITA vPad excellence. Included in the basic set: 2 USB cables, 10-meter vacuum tube for two firing units. Dimensions: 244.5 x 172.0 x 73.0 mm		D61000	
	VITA MultiPump extension set Two USB cables, 10-meter vacuum tube for the third and fourth firing units		D61004	



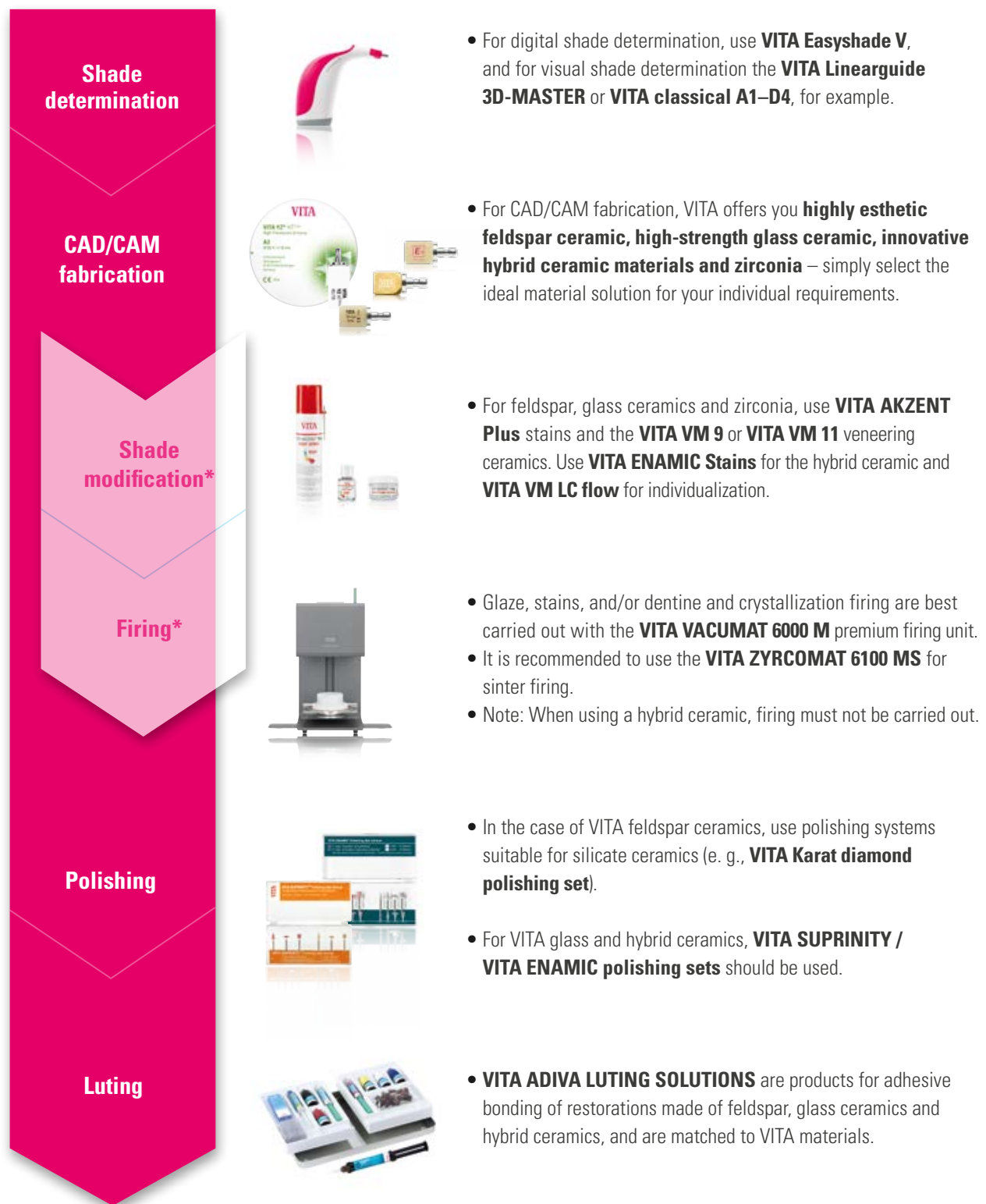






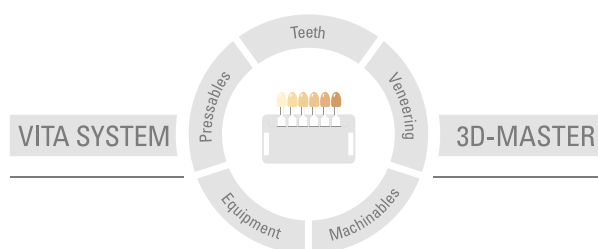
# VITA systems.

## Ideal 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 are 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 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: 02.19

After the publication of this information for use any previous versions become obsolete. The current version can be found at [www.vita-zahnfabrik.com](http://www.vita-zahnfabrik.com)

VITA VACUMAT® 6000 M, VITA VACUMAT® 6000 MP, VITA ZYRCOMAT® 6100 MS and VITA V60 i-Line® are CE marked within the meaning of EC Directives 2006/95/EC, 2004/108/EC und 2011/65/EC.

# VITA

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Tel. +49(0)7761/562-0 · Fax +49(0)7761/562-299  
Hotline: Tel. +49(0)7761/562-222 · Fax +49(0)7761/562-446  
[www.vita-zahnfabrik.com](http://www.vita-zahnfabrik.com) · [info@vita-zahnfabrik.com](mailto:info@vita-zahnfabrik.com)  
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