

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: 11.17



VITA – perfect match.

VITA

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

Customize for individual requirements

Three furnaces, one response:

Modular construction for maximum flexibility and cost-effectiveness

Reliable tools and systems are key to satisfaction. And thanks to VITA, a custom dental furnace system is available to meet your individual needs. With VITA dental furnaces, VITA has focused on its customers 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 perfect custom solution when configuring their own firing system.



Unparalleled in the dental industry, VITA dental furnace systems are 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 6000 MS. A choice of two different control units and various accessories complete the solution. Allowing up to four dental furnaces to be operated using a single control unit, VITA dental furnaces inspire every user with intuitive menu guidance and ingenious technical features.

Simply choose the specific modules that you require – your system can be upgraded at any time. 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 bar light

The user in focus

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 only 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 either in stainless steel or 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
- The unique VITA MultiPump allows you to supply up to four furnaces with the required vacuum using only one vacuum pump
- 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 ± 1 °C every time a program is started (VITA AutoAdjust)
 - An automatic cleaning function (VITA SpecialClean)
 - Controlled fast cooling and energy-savings night mode with energy cost savings of up to 70% (VITA Energy Efficiency)
 - Integrated working instructions for all VITA materials



VITA VACUMAT® 6000 MP Our motto 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 has been used prevents any pressing errors or damage to the firing muffle as a result of an insufficient load (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.

VITA VACUMAT 6000 MP offers the following benefits:

- All the features of the VITA VACUMAT 6000 M
- Future-proof – the system can be upgraded with new modules at any time
- Premium quality with innovative firing and press technology
- Automatic temperature adjustment every time a program is started (VITA AutoAdjust)
- Temperature accuracy +/- 1 °C
- Automatic press path monitoring (VITA PressControl)
- Detection of the number of pressing pellets used (VITA PressControl)



VITA ZYRCOMAT® 6000 MS Measurable benefits



VITA ZYRCOMAT 6000 MS offers a choice of three sintering modes: HighSpeed, conventional and user-defined. The ultimate in flexibility!



Standard accessories: VITA VACUMAT 6000 MS

Unbeatable performance at the highest temperatures

Developed and manufactured entirely in Germany, you can trust the VITA ZYRCOMAT 6000 MS to deliver:

- Homogenous distribution of heat inside the sintering chamber
- Fully automatic calibration with guaranteed temperature accuracy (VITA AutoAdjust)
- An 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, reliably provide 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, ensuring long-term protection of the heating elements and the electronics.

Superior equipment

- 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
- Intuitive one-touch user control for convenient furnace operation
- Optional operation of multiple furnaces using a single VITA vPad control unit
- 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 6000 MS.



VITA ZYRCOMAT 6000 MS

VITA vPad Two models for all your needs.

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 achieve simple and safe fabrication of the perfectly fired object, or an individualist who wants an exclusive and convenient solution – VITA vPads are the answer for any requirements.

Our motto is cost-effectiveness

VITA vPads offer maximum cost-effectiveness and efficiency. Up to four dental furnaces can be operated using a single control unit. There is no need for an additional control unit if further firing, combipress or sintering furnaces are purchased.

VITA vPad comfort Comfort and convenience



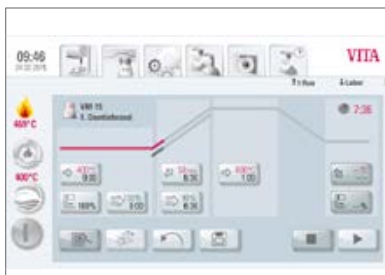
VITA vPad comfort

Convenience is an important benefit. When implemented correctly, it improves efficiency and saves time. VITA vPad comfort is the perfect example. The control unit not only boasts an innovative and stylish design, it also offers an unprecedented level of operating convenience. The 7-inch LED color touchscreen with self-explanatory symbols and an integrated photo viewer offers convenient, intuitive "one-touch" operation for controlling up to two VITA dental ovens. The special VITA clinical mode is already pre-installed as a special user profile for all dental practices and laboratories.

Features and functions

Programs

- **500** customizable firing, pressing and sintering programs
- Configuration of up to **four** user profiles with write-protection for personal programs (favorites) and custom settings
- Support for PC-based programming
- Program modification while a program is running
- Integrated clinical function for special chairside materials for the dental practice.



USB

- A USB port for connecting a mouse and PC keyboard
- Possible connection of a card reader
- Simple transfer of user profiles to other control units via a USB flash drive for process optimization
- Fast update via a USB flash drive

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
- 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 Highly exclusive



VITA vPad excellence

For VITA, high standards are the norm. The top-of-the-range VITA vPad excellence control unit offers impressive proof in this respect. This control unit offers the user maximum functionality and operating convenience, for optimal ease of use.

The 10" 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 the switchbox
- **10"** TFT display
- **1000** customizable firing, pressing and sintering programs
- Configuration of up to **twelve** 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 photos
- Photo viewer with **two** GB of memory and advanced functions
- Integrated working instructions for all VITA materials
- Supply of up to four dental furnaces with just a single VITA vacuum pump thanks to VITA MultiPump
- Intelligent service cycle monitoring
- Individual backgrounds
- 1 SD card slot



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.

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



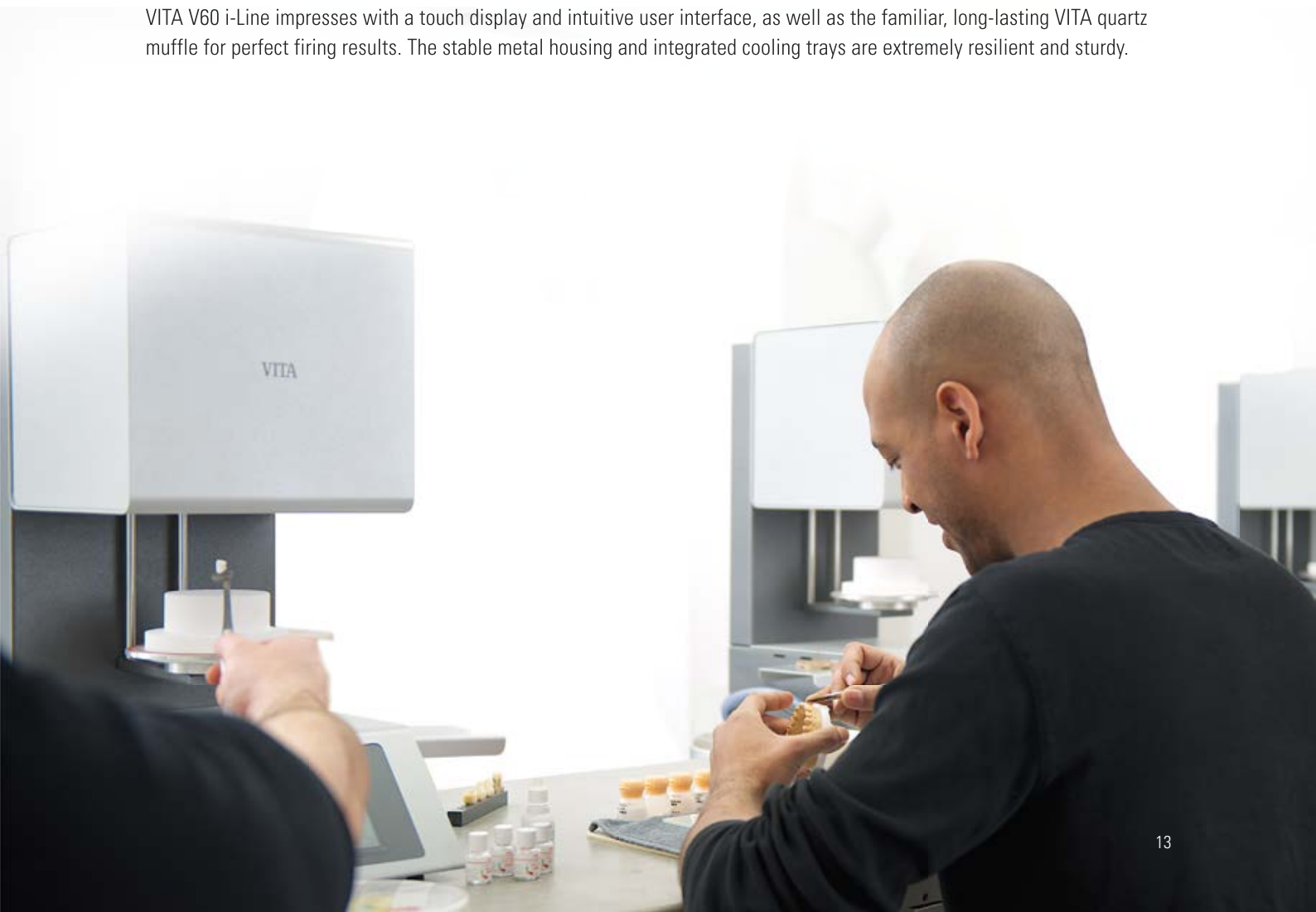
User-friendly operation in focus

VITA combines maximum quality with proven technology. And with VITA V60 i-Line, VITA consistently meets these requirements. VITA V60 i-Line emphasizes two core aspects: outstanding firing results in the long term, as well as user-friendly operation.

Fulfill expectations

Essential functionality and unbeatable value stands for effectiveness and perfect performance.

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



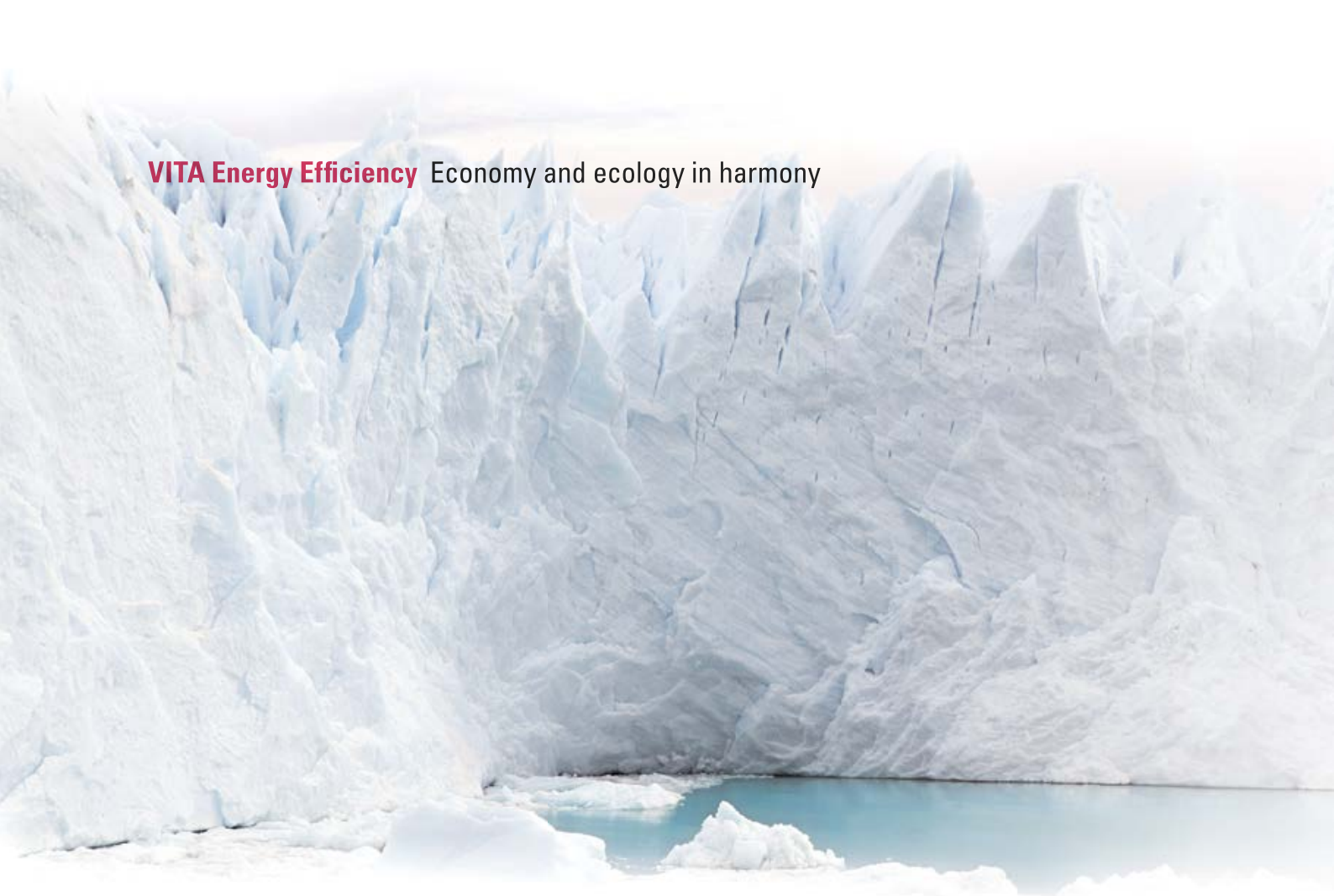
"The VITA V60 i-Line is an example
of everything I value in
VITA dental furnaces: quality and
perfect firing results."

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 6000 MS

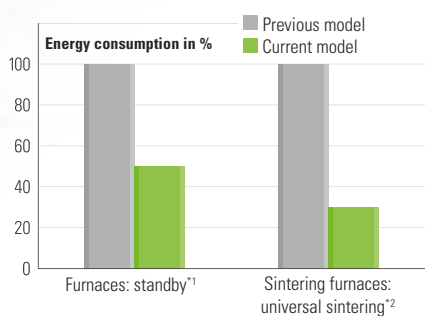


VITA VACUMAT 6000 M



VITA VACUMAT 6000 MP

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



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

² Comparison between VITA ZYrcomat and VITA ZYRCOMAT 6000 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® 6000 MS Your advantages



- **Superior cost-effectiveness** One-touch operation not only saves considerable processing time, but operating up to four dental furnaces using a single control unit also saves you a great deal of money.
- **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 or practice.
- **Premium is standard** Proven VITA firing technology "Made in Germany." The perfect partnership between heating elements made of molybdenum disilicide and the sintering chamber materials significantly increases heat distribution and ensures consistently impressive firing results.
- **Made-to-measure** The firing units are available in up to six designs with a stainless steel or powder-coated finish in up to five attractive colors, and with colored side panels for further individualization. With VITA vPads, even the user interface can be adapted to suit your needs.
- **Excellent warranty and service package** Two-year warranty and provision of a replacement system within 24 hours (in Europe).
- **HighSpeed sintering**
 - In 80 minutes
 - Up to 14-unit bridges can be sintered
 - Reductions in energy consumption of up to 70% compared to the previous model
 - All dental ceramic sintering materials (white and highly translucent, industrially and manually pre-colored ZrO₂)
 - Gentle/stress-free sintering with a cooling temperature of up to 200°C

VITA V60 i-Line® Your benefits



Outstanding firing results



Especially 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, easy access to all wear parts, as well as an organized arrangement of parts, 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 deliberately leaves out costly additional functions. This device delivers core functionality in reliable fashion.



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, 230 V	DV6000M220	
	VITA VACUMAT 6000 M, 110 V	DV6000M110	
	VITA VACUMAT 6000 M, 100 V	DV6000M100	
	VITA VACUMAT 6000 M, 230 V	DV6000MKR220	
	VITA VACUMAT 6000 M, 110 V	DV6000MKR110	
	VITA VACUMAT 6000 M, 100 V	DV6000MKR100	
	VITA VACUMAT 6000 M, 230 V	DV6000MHB220	
	VITA VACUMAT 6000 M, 110 V	DV6000MHB110	
	VITA VACUMAT 6000 M, 100 V	DV6000MHB100	
	VITA VACUMAT 6000 M, 230 V	DV6000MTS220	
	VITA VACUMAT 6000 M, 110 V	DV6000MTS110	
	VITA VACUMAT 6000 M, 100 V	DV6000MTS100	
	VITA VACUMAT 6000 M, 230 V	DV6000MTB220	
	VITA VACUMAT 6000 M, 110 V	DV6000MTB110	
	VITA VACUMAT 6000 M, 100 V	DV6000MTB100	
	VITA VACUMAT 6000 M, 230 V	DV6000MRW220	
	VITA VACUMAT 6000 M, 110 V	DV6000MRW110	
	VITA VACUMAT 6000 M, 100 V	DV6000MRW100	

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	VITA VACUMAT 6000 MP, 110 V	DV6000MP110	
	VITA VACUMAT 6000 MP, 100 V	DV6000MP100	
	VITA VACUMAT 6000 MP, 230 V	DV6000MPE220	
	VITA VACUMAT 6000 MP, 110 V	DV6000MPE110	
	VITA VACUMAT 6000 MP, 100 V	DV6000MPE100	
	VITA ZYRCOMAT 6000 MS, 230 V	DZY6000MS220	
	VITA ZYRCOMAT 6000 MS, 110 V	DZY6000MS110	
	VITA ZYRCOMAT 6000 MS, 230 V	DZY6000MSE220	
	VITA ZYRCOMAT 6000 MS, 110 V	DZY6000MSE110	
	VITA V60 i-Line, 230 V	DV60I220	
	VITA V60 i-Line, 110 V	DV60I110	
	VITA V60 i-Line, 100 V	DV60I100	

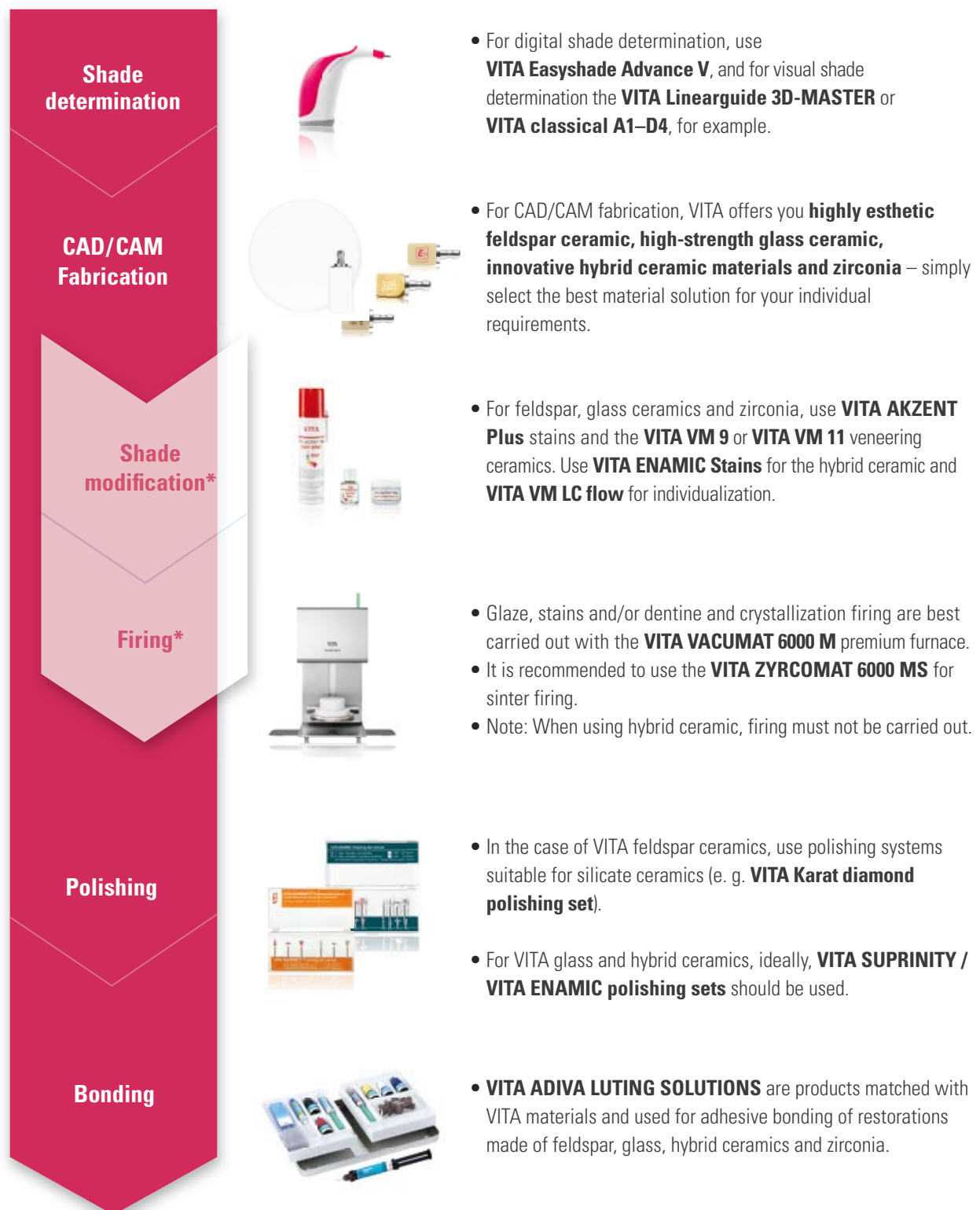
VITA dental furnaces Configurator

	VITA vPad control unit	VITA vPad comfort (for max. two VITA VACUMAT 6000 M / VACUMAT 6000 MP / ZYRCOMAT 6000 MS)	DVPADC	
		VITA vPad excellence (for max. four VITA VACUMAT 6000 M / VACUMAT 6000 MP / ZYRCOMAT 6000 MS)	DVPADEV1	

	VITA VACUMAT 6000 M and MP side panels: 1 set comprises 2 items.	Side panel set: blue	D47002	
		Side panel set: mint green	D47003	
		Side panel set: pink	D47004	
		Side panel set: apricot	D47005	
		Side panel set: white	D47006	
		Side panel set: dark gray	D47007	
	VITA ZYRCOMAT 6000 MS side panels: 1 set comprises 2 items.	Side panel set: blue	D53000	
		Side panel set: mint green	D53001	
		Side panel set: white	D53002	
	VITA number set (magnetic, numbers 1-4)		D47008	
	VITA Switchbox for operating multiple furnaces (for max. 4 VACUMAT 6000 M/MP/ZYRCOMAT 6000 MS units), order as of second furnace.		D47009	
	320 x 210 x 110 mm 6.4 kg	VITA vacuum pump 230 V	DVPU220	
		VITA vacuum pump 110 V	DVPU110	
		VITA vacuum pump 100 V	DVPU100	
	1 CD	FDS software for PC	D34230NG	
	VITA MultiPump (only for VITA VACUMAT 6000 M/MP) for supplying 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 2 USB cables, 10-meter vacuum tube for the 3rd and 4th firing units	D61004	

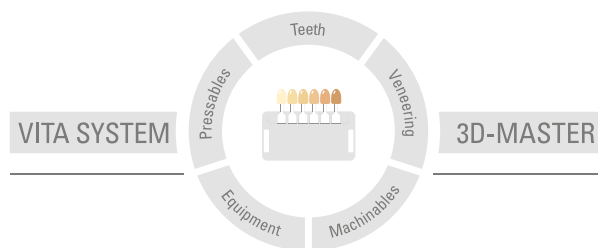
VITA systems.

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 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. 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: 11.17

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 VACUMAT® 6000 M, VITA VACUMAT® 6000 MP, VITA ZYRCOMAT® 6000 MS and VITA V60 i-Line® 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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