

VITA dental furnaces

Efficient systems, maximum functionality

VITA MultiPump
VITA vPad 2015
VITA V60 i-Line®

NEW



VITA shade determination

VITA shade communication

VITA shade reproduction

VITA shade control

Date of issue: 04.15



VITA shade, VITA made.

VITA

VITA New Generation Aiming for individuality

Three furnaces, one response:

Modular construction for maximum flexibility and cost-effectiveness

Satisfaction is when you can rely on your tools and systems. And thanks to VITA, a custom dental furnace system is available to meet your individual needs. With VITA New Generation, VITA has focused on customers as architects 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.



The system, unparalleled in the dental industry, comprises the VITA VACUMAT 6000 M premium firing unit, the VITA VACUMAT 6000 MP combipress and firing unit, as well as the HighSpeed sintering furnace VITA ZYRCOMAT 6000 MS. A choice of four different control units and various accessories complete the solution. With intuitive menu guidance and ingenious technical features, a single control unit can operate up to four furnaces.

Simply choose the specific modules that you require – your system can be upgraded at any time. With VITA New Generation, you can enjoy job satisfaction, individuality and flexibility, and thanks to VITA Energy Efficiency, furnace systems that offer superb cost-effectiveness.



VITA VACUMAT® 6000 M Premium quality as standard



Standard accessories: VITA VACUMAT 6000 M



LED glowstick

The user in focus

The fully-automatic, microprocessor-controlled firing unit is ideal for all dental ceramic firing requirements. The 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 either in stainless steel or in one of up to six colors (anthracite, red, blue, black, turquoise, white) is a real eyecatcher 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 can 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
- VITA MultiPump - vacuum for up to four furnaces with just one VITA vacuum pump combined with the VITA MultiPump – more than one of a kind
- A variety of monitoring and service programs for maximum convenience, safety and speed, 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-saving night mode (VITA Energy Efficiency)
 - Integrated user manuals for all pre-installed VITA materials



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 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 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 ZYRCOMAT 6000 MS

Unbeatable performance at the highest temperatures

Developed and manufactured entirely in Germany, you can trust 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-transparent industrially and manually pre-colored zirconia in all operating modes for consistent and convincing firing results



LED glowstick

Acoustic brilliance. Visible excellence.

An LED glowstick 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 to 200 °C
- VITA PreDry, integrated low temperature pre-drying program, fluent passage from pre-drying to sintering program
- 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 most compact, quietest and fastest 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. So whether your aim is an easy and reliable fabrication of the perfect fired object, or an exclusive and convenient solution – VITA vPads are the answer, regardless of your requirements.

Cost-effective to the power of two

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

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, making using it a real pleasure.

The 8.5-inch color touchscreen 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 VITA New Generation 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 New Generation firing units using a single control unit via the switchbox
- **8.5-inch** color touchscreen
- **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 more features
- Integrated user manuals for all pre-installed VITA materials
- Vacuum for up to four furnaces with just one VITA vacuum pump – thanks to the VITA MultiPump attachment
- Intelligent display of service cycle
- Individual backgrounds



Programmed for the future

As demands and targets grow, so, too, do VITA vPads. 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® No compromises. Perfect performance



Always focusing on ease of handling

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

Mission accomplished

Reducing functionality to the essentials as well as offering unbeatable value for the money, played a key role in the development of this dental furnace. 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.



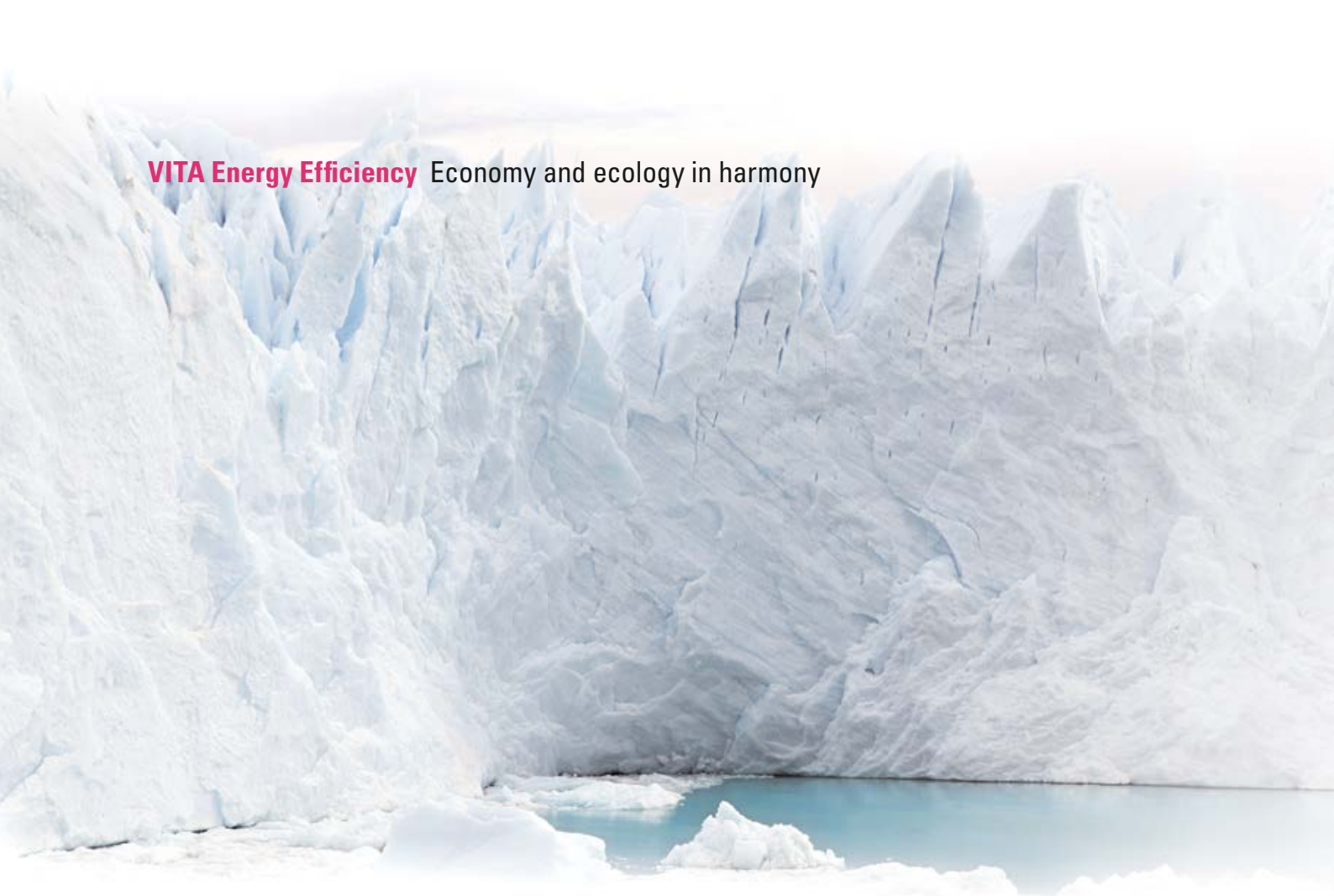
“The VITA V60 i-Line is the best example
of all I appreciate regarding
VITA dental furnaces: quality and
perfect firing results.”

Daniel Sperlich (MDT)

VITA



VITA Energy Efficiency Economy and ecology in harmony



Choose VITA dental furnaces and save money every time you perform firing.



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

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



VITA V60 i-Line



VITA ZYRCOMAT 6000 MS

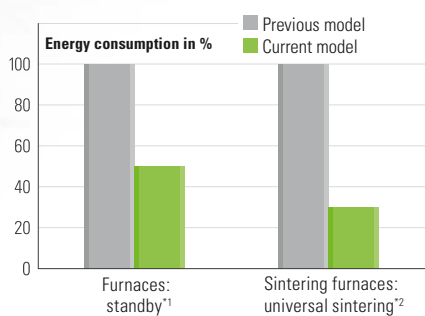


VITA VACUMAT 6000 M



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 and verified by TÜV Austria.

This is why the economical and resource conscious utilization of energy is an increasingly important decision-making criterion with regard to investing in new equipment.

Reductions in energy consumption are often only possible because 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 New Generation Tailored to suit you



- **Superior cost-effectiveness** One-touch operation saves considerable processing time. Operating up to four 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 colored exterior finish, 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 to 200 °C

VITA V60 i-Line® More benefits



Great firing results



User-friendly software with unique service and control programs

- **User-friendly:** the touch display and intuitive menu navigation make working with the VITA V60 i-Line very easy. The minimalist design and robust technology focus on one central function: reliable firing.
- **Plug & play:** no complicated assembly - just plug the furnace in, switch it on and start work!
- **Made in Germany:** state-of-the-art engineering and top quality.
- **VITA quality:** use of the best materials and components with just one goal: uncompromising reliability!
- **Easy to service:** modular design, easy access to all wearing parts and well organized arrangement make it easy to service and reduce your costs.
- **High performance ceramics furnace:** a real workhorse. Extremely robust, integrated power surge protection and long-lasting VITA fused quartz muffle.
- **Reduced to the essentials:** a classic and proven furnace design, which intentionally avoids costly additional functions. The design of this device focuses on an essential quality: absolute reliability.



VITA dental furnaces Configurator



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 Postfach 1338 · D-79704 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 firing unit coated, anthracite (230x440x330 mm)	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 firing unit coated, red (230x440x330 mm)	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 firing unit coated, blue (230x440x330 mm)	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 firing unit coated, black (230x440x330 mm)	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 firing unit coated, turquoise (230x440x330 mm)	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 firing unit coated, white (230x440x330 mm)	VITA VACUMAT 6000 M, 230 V	DV6000MRW220	
		VITA VACUMAT 6000 M, 110 V	DV6000MRW110	
		VITA VACUMAT 6000 M, 100 V	DV6000MRW100	

VITA dental furnaces Configurator



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Dental dealer:	Customer:	Purchase order number:
		Date:

Illustration		Designation	Prod. No.	Quantity
	VITA VACUMAT 6000 M firing unit stainless steel (230x440x330 mm)	VITA VACUMAT 6000 M, 230 V	DV6000ME220	
		VITA VACUMAT 6000 M, 110 V	DV6000ME110	
		VITA VACUMAT 6000 M, 100 V	DV6000ME100	
	VITA VACUMAT 6000 MP combipress unit coated, anthracite (230x630x370 mm)	VITA VACUMAT 6000 MP, 230 V	DV6000MP220	
		VITA VACUMAT 6000 MP, 110 V	DV6000MP110	
		VITA VACUMAT 6000 MP, 100 V	DV6000MP100	
	VITA VACUMAT 6000 MP combipress unit stainless steel (230x630x370 mm)	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 firing unit coated, anthracite (315x470x500 mm)	VITA ZYRCOMAT 6000 MS, 230 V	DZY6000MS220	
		VITA ZYRCOMAT 6000 MS, 110 V	DZY6000MS110	
	VITA ZYRCOMAT 6000 MS firing unit stainless steel (315x470x500 mm)	VITA ZYRCOMAT 6000 MS, 230 V	DZY6000MSE220	
		VITA ZYRCOMAT 6000 MS, 110 V	DZY6000MSE110	
	VITA V60 i-Line firing unit coated (260x420x570 mm)	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)	DVPADEX	

	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 or 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	230 V VITA vacuum pump	DVPU220	
		110 V VITA vacuum pump	DVPU110	
		100 V VITA vacuum pump	DVPU100	
	1 CD	FDS software for PC	D34230NG	
	VITA MultiPump (only for VITA New Generation) Combined with VITA vacuum pump vacuum for up to four furnaces Available to order as an accessory to the VITA vacuum pump after the second furnace. Can only be used in combination with VITA vPad excellence. Standard accessories: 2 USB cables, 10 m for two firing or combipress units. Measurements: 244,5 x 172,0 x 73,0 mm		D61000	
		VITA MultiPump additional accessories 2 USB cables, 10 m for two more firing or combipress units.	D61004	

VITA systems. All from one experienced and competent partner. Solutions and recommendations for the fabrication process.

- For digital shade determination, use VITA Easyshade® **V**, and for visual shade determination **VITA Linearguide 3D-MASTER** or **VITA classical A1–D4®**, for example.



- For CAD/CAM fabrication, VITA offers you **highly esthetic feldspar ceramic, high-strength glass ceramic and innovative hybrid ceramic materials** – simply select the best material solution for your individual requirements.



- For feldspar and glass ceramics, use VITA AKZENT® **Plus** stains and the **VITAVM®9** or **VITAVM®11** veneering ceramics. Use **VITA ENAMIC® STAINS** for the hybrid ceramic and the recommended bonding / veneering composites for correcting the shape.



- Glaze, stains and/or dentine and crystallization firing are best carried out with the **VITA VACUMAT® 6000 M** premium furnace.



- In the case of VITA feldspar ceramics, use polishing systems suitable for silicate ceramics (e. g. **VITA Karat diamond polishing set**).



- For VITA glass and hybrid ceramics, **VITA SUPRINITY® / VITA ENAMIC® polishing instruments** should ideally be used.



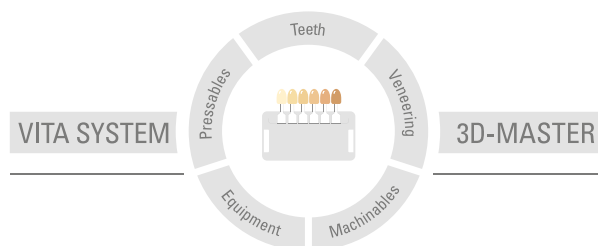
- When bonding VITA feldspar, glass and hybrid ceramics, you can use **VITA DUO CEMENT** or an alternative bonding system recommended by VITA.



- For esthetic results when fabricating full or partial dentures, choose **VITAPAN PLUS®** and **VITA LINGOFORM®**. In doing so, you are selecting prosthetic solutions that are true to nature and made from innovative polymer materials.



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: 04.15

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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