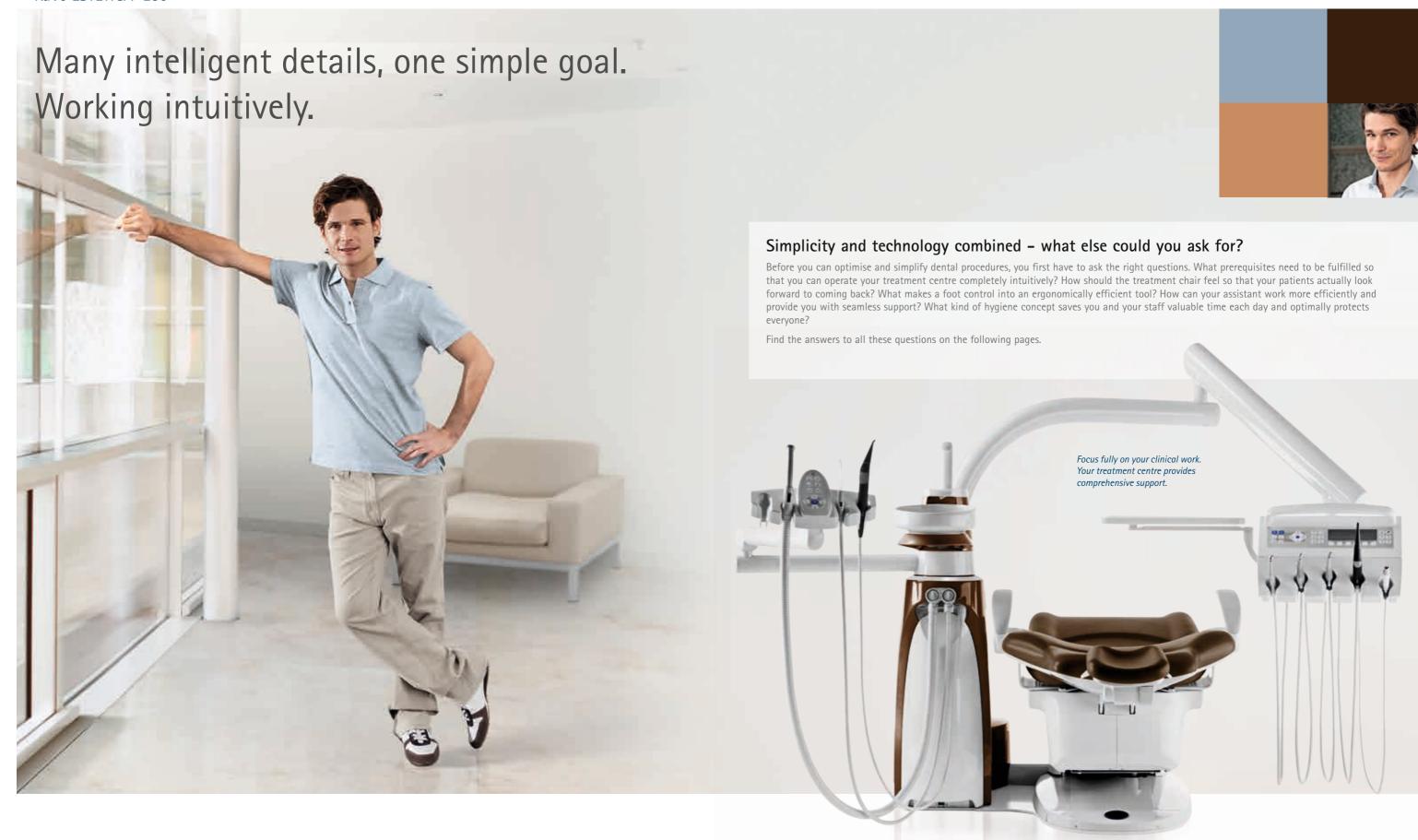


KaVo. Dental Excellence.



If you treat many patients, you mainly need one thing. A treatment centre that may be operated intuitively.

Pure intuition: command all functions rapidly and conveniently.

Though it is obvious, it cannot be taken for granted: All control functions of your dentist's element are where you expect to find them. No time-consuming familiarisation, leafing through the manual or fumbling around during treatment thanks to the intuitive control interface with direct keys free of complicated double functions.

Start working straight away. The new, modern software runs in the background to ensure trouble-free functions. Direct keys for standard functions, the clear design, and the KaVo colour scheme render things even easier for you. Saving you time during each treatment.

The intuitive control panel display, makes your KaVo ESTETICA E50 quick and easy to use. Just take out any handpiece and see all important information with a single glance.

Integrated technologies such as KaVo SMARTdrive motor control mean that you are well prepared for the future. You have the option of upgrading your KaVo ESTETICA E50 with endodontic and HF electrosurgery functions or to extend it e.g. with innovations like the PiezoLED ultrasonic scaler and the most modern drive sys-

tem on the market - the KaVo COMFORTdrive.

You want even more? Use the MEMOdent to rapidly and reliably recall stored parameters for each instrument, for recurring treatment steps (there are 3 program levels for up to 6 dentists).

The freely selectable instruments mean

You are absolutely free to select your preferred instruments and are

you can remain flexible in the future.

always flexible with the KaVo coupling system - your universal

interface. If the focus of your treatments should shift during the

course of time, changes are easy to implement at any future date.



If It's ergonomical, it's a KaVo. It's that simple.

We give you space for more comfort.

You are always able to position your dentist's element where it is most convenient. Thus, you always have control, irrespective of whether you wish to work standing-up, sitting-down, with assistant or without. This applies equally to the table, cart and swing-arm versions of your KaVo ESTETICA E50. Choose one of these ergonomic and well conceived versions, based on your personal requirements.



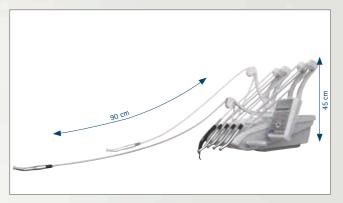
Also the swing-arm version of the dentist element, can be located where it is most convenient for you.

Intuitive treatment centre – highlights and advantages:

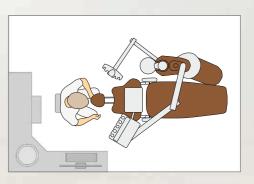
- Intuitive, efficient workflow due to logical and simple operation
- Direct selection key control
- Modular, configurable and expandable
- Relaxed posture as everything is to hand

Optimum reach distances – for maximum movement throughout a variety of hand positions.

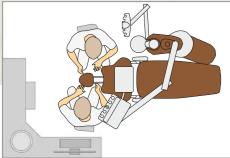
The swing-arm design of your KaVo ESTETICA E50 is both elegant and highly functional. It assures maximum range of movement and ideal hand motion paths. The intelligent supports for single standard tray, 2 standard trays and US tray may be mounted on the right or left side of the table. Your tray may be tracked horizontally. In the swing-arm version, you can also track it in a longitudinal direction and rapidly attach it to either side. These selection options and flexibility provide optimal support for all clinical treatments.



Optimum ergonomics owing to low 45 cm table height and balanced swing-arm clamp. Enjoy the freedom of space provided by a maximum handpiece tubing extension of 90 cm.



Whether you work alone or with an assistant, the dentist's element, the tray support and the assistant's element can be optimally positioned due to the large range of movements.





Make your patients feel comfortable: Just sit down and relax.

Position your patients according to their specific needs.

If your patients are properly positioned on the operating chair and feel comfortable, they tend to fidget much less. The benefit to you: This allows you to work much more efficiently and to fully focus on the treatment at hand. Soft upholstery, ergonomic seat recess and lumbar support ensure optimal patient positioning. Moreover, you can raise the rear of the seat manually, when treating children.

Your working zone is in the optimum position.

Position your patient's head so that you can work optimally – in accordance with the indication and individual patient prerequisites. Simply adjust the 2-joint headrest appropriately. The flexible, two-position head cushion supports the neck and is especially suited for treating children.





Raising the seat elevation allows you to position patients of all sizes comfortably: without stretching, compression of the abdominal muscles or hollow back.



Simply comfortable: The 2-joint headrest can be operated with only one hand has a rotatable head cushion, and provides perfect, comfortable neck support.



Let there be light: we change the way you see.

Natural, innovative and comfortable – the 5-star light for your practice.

An operating light which will change your vision of how things should be: KaVoLUX 540 LED ensures natural white light of the highest quality, of up to 40,000 LUX, from a unique, visual system and with four different-coloured LED's. The even, shadow-free light field, offers the highest level of treatment comfort. The excellent colour reproduction value, also allows you to do an exact comparison of tooth and composite colours, using the operating light directly mounted on your treatment unit. The colour-temperature of the KaVoLUX 540 LED, can be set to your individual needs, on five different levels and the innovative COMPOsave mode, filtersout all blue light wavelengths and thereby slows down the polymerisation of filling materials. Without having to dim the light, curing materials can be moulded in a relaxed way. With the lockable 3D joint, the KaVoLUX 540 LED offers maximum variability in settings and, with its touch-free operation, is both convenient and hygienic in use.

The dentist's element and patient chair – main features and advantages:

- KaVoLUX 540 LED with natural light of the highest quality and comfortable, no-touch operation
- Optimum and flexible positioning for all patients
- Comfortable reclining surface due to soft upholstery and an ergonomic contoured seat recess with integrated lumbar support
- Head support with flexible two-position head cushion for reclining comfort
- Highest position suitable for working when standing



red<mark>dot</mark> design award winner 2012 red dot design award: The design of your KaVoLUX 540 LED is perfectly thought-out. Its modern LED technology produces perfect light even in the most challenging situations to ensure perfect working conditions. "red dot" stands for innovative product solutions and high quality.



Simply hygienic: removable handles and smooth interfaces, allow rapid and thorough disinfection. The touch-free operation ensures minimum risk of cross contamination and maximum safety for your patients.





Multiple elements are made easier for your assistant. Everything is made effective and efficient for you.

This element allows your assistant to maximise his/her performance.

As the pivoting range of the assistant's control element is ergonomically optimised, it is always within easy reach. Your assistant is free to position the control element according to individual need. The optional height adjustment provides optimal support in this context – and even accommodates treatment whilst the assistant is standing.

Now even more flexibility on your E50 – assistant module R/L.

To make life for your dental assistant and yourself even easier if you are left-handed or if you are working on your own, we now offer an assistant's module with right/left swivel function for your KaVo ESTETICA E50.

Its double-jointed arm offers maximum freedom of movement across its entire reach. At the same time it leaves sufficient room for foot controller and treatment chair.

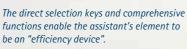
So that tall as well as short practitioners can work in optimal ergonomic positions, we also offer a 5 9/32 inch (135 mm) continuous height adjustment option for the assistant's module.

Direct selection keys promote easy familiarisation and speedy clinical procedures.

The 'key' to enable your assistant to become more efficient is one of the direct selection keys on your treatment centre. Thus your assistance can access all key function at the press of a button; spittoon filler, bowl flushing, intensive disinfection, HYDROclean, light dimmer or light and timer. There are no superfluous keys, only sensible functions.

Assistant element – main features and advantages:

- Simple operation of the assistant's module through direct selection keys
- Healthy, ergonomic posture for your assistant due to the pivotable and height-adjustable assistant element
- Maximum flexibility through right/left swivel function of the assistant module





Perfect comfort from head to toe – standing up and sitting down.

It's all about your back.

For dentists, it is particularly important to assume a steady, ergonomically healthy and comfortable posture. And nothing influences your body posture as much as the work chair upon which you sit every day. KaVo is renowned for making products that optimise ergonomics, aesthetics and comfort. In keeping with this tradition, the new KaVo PHYSIO Evo is designed to perfectly suit the needs and workflows of dentists and dental assistants.

KaVo PHYSIO Evo and foot control – Main features and benefits for you:

- Perfect ergonomics and optimal seating comfort provided by the KaVo PHYSIO Evo
- The KaVo PHYSIO Evo has a modern design and is available in attractive colours
- Relaxed and easy operation of chair, handpiece and multimedia functions by foot control
- Fatigue-free work by foot control due to left-right lateral movement
- Wireless remote foot control for even better hygiene
- Effortless, accurate speed control with MEMOdent

saved easily for each handpiece. Lightly tapping your foot is enough to apidly and reliably recall recurring treatment sequences.

Ergonomic and hygienic.

the MEMOdent.

Unlimited freedom based on KaVo wireless technology.

Your wireless foot control is interference-free, safe, and clean: The high performance rechargeable battery stores energy to last you approx. two months and recharges quickly. There is no self-drain or memory effect. And: It has no cable needing to be cleaned.

Control all chair, handpiece, and multimedia functions simply by the

foot control. Moving your foot to the right and left does not strain

your leg muscles and keeps them relaxed. You reduce the risk of

cross-contamination even more by using your foot to control the

The MEMOdent function of your wireless foot control allows key

parameters such as speed, cooling, and cold light intensity to be

Save time and gain safety through

Cable and wireless versions: Position your foot control to suit your specific needs. The wireless version affords the most freedom and even better hygiene, as there is no cable involved.











Perfect hygiene without compromise. Time-saving and easy.

Optimum hygiene for external components, it's all in hand ...

Your KaVo ESTETICA E50 is very easy to clean. Major components such as the silicone mat,

handpiece holder, swing-arm clamp and spittoon bowl can be detached quickly for disinfection. All surfaces are simple to clean, as are all contaminated parts in the aerosol-disposal area. To ensure that no contamination enters your treatment centre, the top and bottom parts of the housing are completely sealed.

... perfect hygiene, inside out.

The easy-to-clean suction filter system saves your staff valuable time during hygiene procedures. The suction filter is easy and safe to replace.

Ensure the long-term operability with the HYDROclean function.

Prevents clogged filters and obstructions in the suction system. Simply, manually activate the automatic programme for hydromechanical cleaning of the amalgam separator, suction and drainage systems inside and outside of your treatment centre. Clean, fresh water dilutes blood and secretions reliably, to ensure that these contaminants do not become deposited in and block the suction system and outflow. This process reduces breakdown time and costs that may arise from servicing the amalgam separators and air/water separators.

Easy and time-saving: DEKASEPTOL gel.

KaVo DEKASEPTOL gel is supplied pre-mixed and ready to use. This saves valuable time. DEKASEPTOL completely wets the lumens of suction hoses and systems and adheres to the contaminated regions, instead of merely passing straight through.

Hyalene made easy, all surfaces are free of gaps and therefore casy to clean. Hyalene made easy, all surfaces are free of gaps and therefore casy to clean.

Safety has the highest priority. For everyone.

Protect lines from contaminated water.

DVGW has the strictest hygiene standars and KaVo fully endorses those standards. The water block with free water inlet of your KaVo ESTETICA E50 meets DVGW standars and prevents possible reflux contamination in your practice suppy line. Moreover, permanent disinfection with KaVo OXYGENAL 6 ensures permanent reduction of algae and micro-organisms. The additional intensive sterilisation program with a higher OXYGENAL concentration only lasts approx. 45 minutes. It protects your patients against micro-organisms which may accumulate more strongly during downtimes, such as over weekends or vacations. Take no chances with intensive disinfection, especially after treatment of high-risk patients.

Minimise risks by using the RKI (Robert Koch Institute) rinsing program.

Meet the requirements of the current RKI guidelines. Your KaVo ESTETICA E50 performs standardised and automatic rinsing of instruments at the start of the working day and after work on each patient.

The non-return valve provides additional protection for everyone involved.

KaVo instruments and motors are equipped with an automatic nonreturn valve, which reliably protects the water supply system. It prevents contaminated spray water from entering the main supply.













Grab handles, silicone mats, spittoon bowl, instrument holders and swing-arm clamps are easy to remove, disinfect and replace. The suction filters have hygienic handles which makes them easy and safe to clean/replace.

Easy and safe hygiene – highlights and advantages:

- Automated and standardised hygiene
- Time-saving and easy cleaning, as the device components are easy to remove, clean and replace
- Highest standard in accordance with RKI guidelines
- Additional safety afforded by non-return valve
- Improved hygiene since the top and bottom parts of the housing are sealed



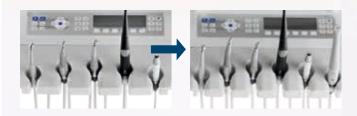




Be open to the future. It's in your hands.

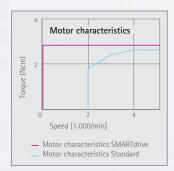
Flexibility for the future thanks to exclusive KaVo advantages.

Do you know today what treatment focus you will have tomorrow? There is no need to limit yourself. Since only KaVo gives you the option to upgrade from five to six handpiece outlets on your treatment centre. You have complete freedom in your handpiece selection.



SMARTdrive takes you powerfully yet sensitively into the future.

The new SMARTdrive motor control with full torque and particularly vibration-free start-up characteristics, even in the low speed range of 100 rpm ensures precise and efficient work, saving valuable time. Due to the broader speed range, all straight and contra-angle handpieces may now be used in a more versatile manner, which extends the range of applications of each contra-angle handpiece.



Leverage the high torque and vibration-free start-up characteristics of your KaVo SMARTdrive with its extended speed range of 100 - 40,000 rpm.

KaVo INTRA LUX KL 703 LED – light weight for equilibrium.

With the new, maintenance-free, brushless KaVo INTRA LUX KL 703 LED micromotor you will experience top performance in its purest form. It is SMARTdrive-optimised and offers a wide speed range from 100 rpm to 40,000 rpm with a 1:1 "direct-drive" handpiece. Thanks to a weight reduction of 30% and a 25% smaller design, it offers perfect ergonomics and optimum balance with perfect weight distribution. It provides more than sufficient power in any treatment situation and enables more precise and fatigue-free working. For simple hygiene the INTRA LUX KL 703 LED can be sterilised and for perfect illumination has an integrated, durable 25,000 LUX LED. Extraordinary performance for excellent treatment results, day after day.



KaVo INTRA LUX KL 703 LED: even smaller and even lighter with perfect weight distribution

Treat your patients expeditiously and effectively with the PiezoLED.

The new PiezoLED scaler provides high-precision and effective dental scaling for your patients. KaVo CARE technology allows you to apply its power extremely evenly and with optimum linear tip movements, from a sinusoidal signal. Teeth and gingivae remain undamaged, even in delicate areas, due to the greater precision of your work.

The circular light array of the LED's produce optimum viewing conditions for you and in combination with the lightweight and ergonomic design, you can always treat your patients under ideal conditions.

PiezoLED: innovative KaVo care technology with intelligent feedback control for the highest standards of patient treatment.

Power, speed and lightweight design combined in your COMFORTdrive.

COMFORTdrive represents a new era of handpieces from KaVo. This drive combines the advantages of turbines and speed-increasing handpiece,into a single solution. Up to 200,000 rpm without a speed transmission gearbox, suitable for every preparation. And the COMFORTdrive is extremely lightweight in your hand. Its 40% lower weight makes your work much more relaxed. The center of gravity is optimally balanced. Your hand and fingers are exposed to significantly lighter loads allowing you to work with extreme precision, for far longer.

Stay flexible through the common interface, standard USB.



Simply plug in other selected devices via the USB port of your KaVo ESTETICA E80. It is particularly easy no additional settings usually need to be made when connecting a USB device. Your treatment centre automatically recognises what has been connected to it.

Individualised features – main features and advantages:

- Integrated SMARTdrive for precise work in the low speed range
- Improved Micromotor INTRA LUX KL 703 LED with wide speed range from 100 rpm to 40,000 rpm
- PiezoLED for efficient and time-saving patient treatment
- Latest handpiece technology with COMFORTdrive for even more relaxed and efficient surgical work
- Future-proof, standardised interface for easy connection of external devices
- A wide selection of additional, intelligent features, which are also retrofittable



KaVo COMFORTdrive is a powerful, light-weight device with almost imperceptible running noise levels.



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Face the future with confidence. After all, you are well prepared.

An investment in your personal future.

Your KaVo ESTETICA E50 is designed to support you ergonomically and ensure that all working procedures are efficient. With its tried £t tested components that undergo continual development – such as the completely reworked electronics – you benefit from cuttingedge innovation, functions and design quality. This means that you are fully equipped for the future.

Bank on classical modern design.

Your treatment centre should continue to please you, your assistant, and your patients many years from now and always meet the highest visual demands. Utilise the modern design and attractive new colours to set the trends for your future.

The service functions save you time and money today and tomorrow.

The integrated KaVo MEDIAgateway allows software updates, service checks and future expansion to be implemented rapidly, effectively and cost-efficiently.

The value of your investment is well protected.

And of course, the KaVo ESTETICA E50 with AdViClinic is equipped for central management through connection to a server. Save valuable time in case of failure and enjoy the advantages of preventative maintenance.



Everything is visible at one glance. Enter into the digital world of dentistry.

Gain speed and comfort with ERGOcom light.

Interconnect all your systems easily: the computer at the practice, the treatment centre and other media sources. Through this connection technology, you may call-up the most recent patient data on the 17" display of the KaVo ESTETICA E50 together with relevant X-ray, microscope and camera images or images from the PC. Without any delay and without you or your assistant ever having to leave the treatment room. ERGOcom light is your simple, optional solution for this purpose.

Your multimedia system is ready to go.

You don't need a PC connection nor do you have to lay cables to use your ERGOcom light. Its functions may be controlled either by foot control or through the dentist's element of the KaVo ESTETICA E50.

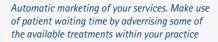
More light and greater resolution for perfect intraoral images.

See more, understand more – with the new ERGOcam intraoral camera. Explain treatment to your patients, by using impressive images or document successful treatments. Operation using the slide-control, with its defined-focus positions, is very easy. The depth-of-focus and the extraordinary colour reproduction based upon state-of-the-art CMOS chip technology are impressive, particularly for highly-detailed images in the gingival area.

ERGOcom light Multimedia – highlights and advantages:

- Camera images can be easily shown without a computer
- · Display four camera pictures simultaneously
- Computer, microscope and x-ray images viewable on the dental unit monitor display
- Hygienic operation by foot control











Simply designed perfectly. KaVo quality does not stop there.



KaVo stands for tried & tested, excellent quality.

Our standards for all KaVo products are extremely high. It is only by maintaining these standards that we can meet the high expectations of our customers. To achieve these demanding self-imposed standards, our products are always precision made with a robust design. Proven high-quality materials and components that have shown their benefits in practical application, ensure the reliability of your KaVo ESTETICA E50. Moreover, we subject each treatment centre to individual checks and comprehensive 100% tests. You are always on the safe side when you opt for a KaVo ESTETICA E50.

The KaVo ESTETICA E50 concept as a whole, makes clinical and commercial sense.

This treatment centre incorporates long-standing KaVo experience and high-quality, time-proven components. Our motto is to have confidence in what has been proved and to steadily improve what is good about this treatment centre. This allows your KaVo ESTETICA E50 to sucessfully face the demands of the future.

KaVo quality – highlights and advantages:

- Robust design with top quality materials
- Precisely machined according to the most exacting quality standards
- Maximum reliability on the basis of comprehensive, long-term tests
- Optimum price/performance ratio

Help protect the environment in your practice.

Commentators on environmental protection are very aware that this important issue begins at home and includes protecting people from hazardous influences. It is therefore important to closely consider the materials and substances to which you and your staff are exposed every day. KaVo guarantees that your staff are fully protected in this respect. Our products are made in Germany and meet strict German environmental standards. Add to this an above-average service life, RoHS-compliance and electronics disposal that prevents the future release of hazardous substances.







Something you may rely on: tested quality in accordance with the strictest standards throughout the world.



The choice is yours: colours and accessories for your practice.

Colours that set the tone.

Regardless of the future décor you envisage in your practice, the KaVo ESTETICA E50 is always available in a complementary colour scheme. Combine various upholstery and instrument colours to suit your individual, aesthetic demands or enhance your surgery by selecting one of the new "Chrome Edition" such as chocolate brown or midnight blue.

Metallic colours















champagne







The fresh KaVo colour palette.







Chocolate Brown

Upholstery colours





































chocolate brown

Apart from the elegant chrome edgings, the base sections of patient and and practitioner chairs of the Chrome Edition are









Take advantage of the many possibilities: create you own, bespoke treatment centre.

	TM	S
Patient chair Default	•	•
Height-adjustable seat Soft upholstery	•	•
Backrest Progress	•	•
Headrest Double-jointed with push button	•	•
Armrest Clockwise Counterclockwise	•	•
Dentist element		
1st turbine hose tubing		
1st KL motor 701	Χ	Χ
1st KL motor 703 LED	Х	X
Triple-function handpiece Multifunctional handpiece	•	•
2st turbine hose tubing	0	0
2st KL motor 701	0	\bigcirc
2st KL motor 703 LED	Ö	Ö
SMARTdrive		0
Integrated torque control (Endo)	\circ	\circ
COMFORTdrive	\circ	\circ
PiezoLED ultrasonic scaler	\circ	0
MEMOdent multifunction display		•
Small X-ray image viewer Panorama X-ray film viewer 1	0	0
(mounted on the light post)	0	J
Tray holder for US tray	X	Χ
Tray holder for 1 standard tray	X	Χ
Tray holder 2 standard trays		
Spray heating for instruments	\circ	\circ
Physiological saline solution	0	0
Anti-reflux valve for handpieces		
HF electrosurgery USB interface	0	-
ERGOcam	0	

	livi	2
Assistant element		
with Comfort control element Spray mist suction		•
Saliva ejector		
Second saliva ejector		Ö
Triple-function handpiece	Ö	Ö
Multifunctional syringe handpiece	Ŏ	Ŏ
Satelec LED curing light	Ŏ	Ŏ
Support for tray holder	Ŏ	Ŏ
Support tray for DIAGNOdent	0	0
Swivelling assistant's element		
Swivel and height-adjustable	\circ	0
Assistant element		
Right/left swivelling assistant element	\circ	\circ
Right/left swivelling and	\circ	\circ
high-adjustable assistant element		_
Suction tube guide	0	0
Selective support kit	\circ	\circ
Unit body		
Porcelain spittoon bowl	X	Χ
Spittoon bowl made of glass	Х	Χ
VACUstop		
Permanent disinfection ²		
Intensive disinfection kit HYDROclean	0	0
Warm water heater		0
MEDIAgateway		
Wireless foot control		
Supply system		
DVGW water block	X	X
Water block, compact DVGW water bottle	X	X
Low-pressure regulator	ô	ô
Kit for connecting additional devices	Õ	Õ
Disposal system	.,	.,
External suction DÜRR amalgam separator	X	X
Dürr automatic separator	X	X
Solids collector kit	X	Х
Misaallanaaus		
Miscellaneous KaVo PHYSIO Evo		
KaVoLUX 540 LED	0	0
EDI operating light	0	0
Lamp mounting pole	Ö	0
Patient service box	Ö	Ö
ERGOcom light	Ŏ	Ŏ
DEKASEPTOL gel basic set		
11 1	_	_

[●] Standard equipment (may vary in national versions) ○ Optional equipment x must be selected — not available

Hygiene package

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¹ Not available in combination with multimedia

² Only with DVGW water block and DVGW water bottle







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