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ANTHOS CLASSE R7



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THE BENEFITS MULTIPLY















ADAPT TO YOUR LAYOUT

CLASSE R7

CONTINENTAL

Free to position the versatile Junction Box anywhere in the operatory, dental surgeons can adapt easily to the layout and connect the unit to all chair utilities as required. Such freedom represents a





CLASSE R7

CONTINENTAL INTERNATIONAL CART ORTHO

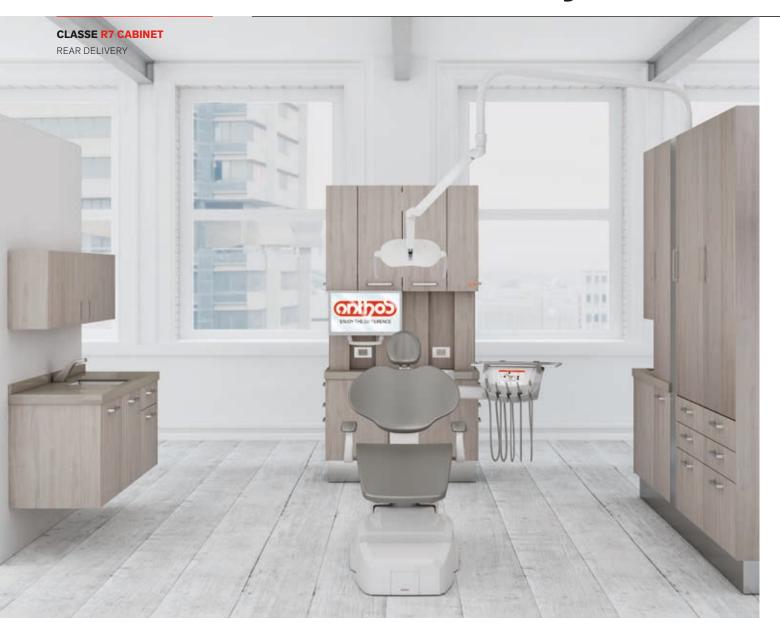








Ergonomic design, comfort and style





PERFETTA LINE

A rational space.

With the new Anthos Perfetta solution, Anthos R7 lets users design the entire dental practice architecture, thus improving its efficiency.

In fact, Anthos Perfetta dental units and cabinets ensure full integration of all instruments while maximizing practicality. Dentist and assistant need only to perform minimal movements and can reposition every item to suit their specific needs. The result is a welcoming, comfortable practice designed to enhance the patient's overall comfort and experience.

Design and finish.

Thoughtful aesthetics and design improve the patient's experience. The practice appears less clinical and much more welcoming and calming.

Intelligence in the details

PERFECTLY CONFIGURED

During the layout design stage, the Anthos R7 Perfetta line optimizes use of space down to the finest detail. It also lets you adjust the

and patients to streamline workflows and enhance comfort.

relative positions of personnel, instruments



14-1

Embedded bottle. To ensure a tidy, easyto-clean room, the large 1.8 L (0.48 gal) bottle is stored in the cabinet, easily accessible yet hidden from view.



Assistant's module.

Positioned on the rear of the patient chair, the module is easily rotated around the dental unit. The three arm joints allow it to be positioned at just the right distance and height, minimizing movements required by the assistant.







A double-jointed arm makes the dentist's module extremely adaptable to all requirements, such as when switching from a right-handed to a left-handed user. Height is aligned with that of other worktops, maximizing ergonomics of movement. Moreover, the arm can be folded against the cabinet to reduce clutter when not in use.

Other features, such as the swivel patient chair and the assistant's module mounted on an articulated arm, ensure that room for maneuvering is always perfectly adapted to the stage of treatment.

PLENTY OF WORK SPACE

The stainless steel tray holder can hold up to three standard trays, providing personnel with plenty of work space. The position and the available space make it easier for the assistant to prepare the instruments.





Pivot.

The patient chair can rotate 30° to the left or right, making it easier for patients to access the chair. It also helps personnel adjust the position for the treatment necessary.

Assistant's module.

Available with 3 or 5 holders, the assistant's module is built into the cabinet and extends from under the rounded countertop. Easily reached and featuring a simple control keyboard for chair movements, integrated operating light and embedded bottle, the module houses cannulae, syringe and one dynamic instrument.

The design of the entire module and support system ensures maximum stability, which has easy-to-clean surfaces and occupies little space within the cabinet furniture. The essential styling limits the number of visible elements and the countertop is conveniently shaped while providing ample workspace for the assistant.



Fast, simple, effective re-positioning

QUICKSWITCH

With its innovative switchover movement, the Classe R7 can be converted from right to left-handed use and vice versa in just a few steps. The mechanism that allows unit repositioning has been designed to simplify the conversion, which can be completed in

mere seconds without any need for tools or technicians. The dentist's module, unit body and assistant's module can be set up in rapid sequence for use by left-handed dentists.







dentist's module, the control panel offers maximum ergonomics. All that needs to be done is to detach the instrument control panel and then reconnect it on the opposite side of the module.

Ergonomic design, comfort and style

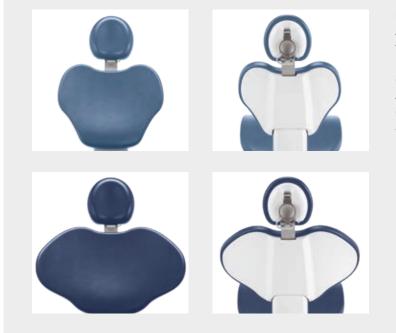
ISO-JOINT

In addition to streamlined style, patient chair design optimizes working ergonomics for the dentist and comfort for the patient. Thanks to ISO-JOINT geometry, compensated backrest-seat movement maximizes comfort

and minimizes sliding of the patient's head. Type-approved to lift up to 160 kg (352 lbs), the patent chair offers extensive vertical excursion.

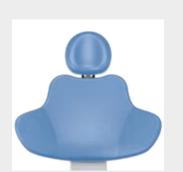






Backrests.

A choice of several backrest types - narrow, wide and Nordic - meets all the dentist's ergonomic needs. As always, the backrest guarantees patient comfort and easy access.







Keypad. Conveniently integrated on both sides of the seat, the keypad controls all patient chair movement.





Headrest.

In addition to the version with 2-axis adjustment and mechanical locking, an optional Comfort headrest faithfully follows the lines of the patient's anatomy. Orbital 3-axis movement allows perfect positioning of the head, ensuring patient comfort during prolonged treatment sessions.

Style for the surgery

PERSONALIZE

Tapered patient chair shaping lets the surgery staff operate fluidly and hindrance-free. What's more, essential shaping makes surface sanitization easier and more effective. Standard upholstery (which can be matched with seats) is hard-wearing, seamless and available in 14 different colors to allow eye-pleasing personalization of the dental surgery.







Memory Foam padding. Optional Memory Foam padding offers patients an exclusive wellness experience.



CLASSE R7.

Operating efficiency and plenty of space

RATIONALIZE

Classe R7 provides outstanding freedom of movement. Rationalizing the workspace according to the required treatment demands thoughtful layout of all the elements in the operating area, ensuring

dentist and assistant are positioned optimally around the patient.

The freedom provided by Classe R7 results in smooth workflows and maximum working efficiency.

Patient chair rotation.

30

The Classe R7 can be adapted to match both surgery layout and treatment type. Rotation is achieved thanks to the pivot, a mechanical device that features horizontal-plane rotation of ±30° around a central fulcrum underneath the patient chair. The optional pivot function is available on the patient chair in all Classe R7 configurations, from the chair only to the comprehensive version with unit body. Patient chair mobility ensures all surgery staff members can perform their tasks efficiently.

Soft Motion.

The Classe R7 patient chair is equipped with Soft Motion technology that allows gradual, fluid, vibration-free, silent starts and stops: for the patient, the experience is truly relaxing.

Slow Mode.

30°

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This mode, supplied with Full Touch, lets dentists make extremely fine patient chair movements. These almost imperceptible adjustments are extremely useful during implantology work or while using the microscope.



Perfect control

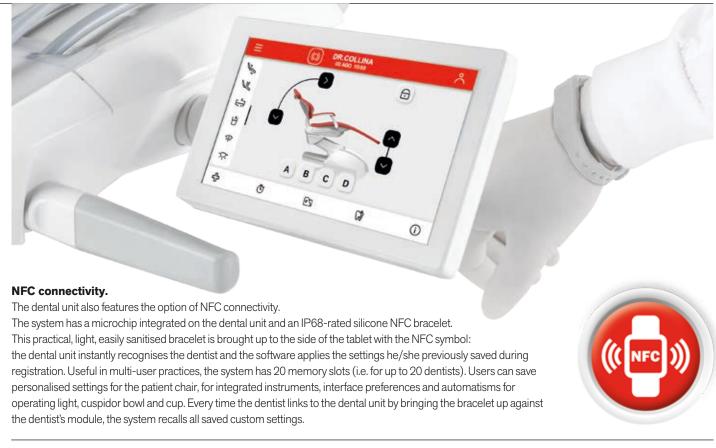
MANAGE

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The control panel lets users manage all dental unit functions and personalize parameters with ease using integrated devices. Classe R7 features the Full Touch Clinic control panel as standard. On the optional Full Touch Multimedia version, advanced functions also let users display images and videos.

The Clinic instrument panel controls patient chair movement, displays data for conservative, endodontic and implantology work; it is also used to manage hygiene devices and other accessory services. The protective glass is impact and waterresistant and can be disinfected easily and safely.









The 7" multitouch HD screen offers immediate data display and can, on the Continental model, be rotated from vertical to horizontal and switched from one side of the dentist's module to the other.



USB. A convenient USB port lets individual dentists save and download their personalised settings, a feature that's extremely useful in surgeries with two dentists or more. Acquired images can also be downloaded.





Multimedia control panel.

The Multimedia console can be used to display HD images captured with the camera and X-rays acquired via the integrated system. It can also play video clips illustrating dental unit use and maintenance.

Clear information and user-friendly functions

LCD TOUCH

Classe R7 has a color LCD display. Dental unit functions are controlled quickly and simply, and dentists can count on the reception of clear, complete information. Individual instrument, patient chair and integrated device settings can be accessed rapidly and easily while the control panel layout remains user-friendly and incorporates numerous advanced functions.







Clean. Function that disables the keyboard when the glass surfaces of the panel need cleaning, thus preventing involuntary activation of controls.



Endo. The i-MMs micromotor (optional) gives dentists access to all endodontic functions, which are controlled in an integrated manner by the panel on the dental unit.







Timer. This function lets users keep track of application times (e.g. when etching gel or compounds are used).



Multi-profile feature. Cuspidor-cup system automatisms, favorite working positions and settings for every single instrument can be saved for up to 4 different users, ensuring maximum versatility of use. This function is useful in multi-dentist surgeries or in clinics where there is high turnover of specialists.

Integrated endodontic and implantology devices

IMPLANT AND ENDO MODE

Smooth integration of brushless micromotor, peristaltic pump and dedicated surgical handpiece gives rise to an integrated implantology system controlled via the Full Touch panel. Speed, torque and pump delivery rate parameters can be selected and

saved at any time. A simple, user-friendly interface lets users manage every stage of work quickly and precisely. This set-up thus eliminates the bulk associated with on-cart stand-alone systems.

i-MMs micromotor.

Autoclavable and easy to handle, the micromotor, paired with the contra-angle, can reach a torque of up to 70 Ncm and provides the perfect response to the implantologist's every need. The software allows precise, safe control of speed and torque.



Apex locator.

The device helps the dentist locate the root apex via an audible/visual signal. Distance to the apex is shown on the display also during the root canal instrumentation phase, and nearing of the apex is verified by the ENDO software.



Patient Name OCCONTENT OCCONTENT OCCONTENT

Torque curves.

This function allows constant monitoring of the torque delivered by the micromotor and provides a complete report on each stage of treatment.

Exportable via USB stick: the .csv format is used for academic assessment, the PDF provides a document to be kept in medical records and the .png file is perfect for fast viewing on the Multimedia display. With the integrated camera, the curve can also be displayed on the dental unit monitor Clearly displays data during treatment and a useful asset in academic and training activities.



Peristaltic pump.

Controlled by the Full Touch control panel, the peristaltic pump is incorporated on the dentist's module, thus eliminating the bulk of modules, carts and rheostats.



CLASSE R7.

Choice of advanced instruments

LATEST GENERATION

A latest-generation microprocessor and a user-friendly control panel ensure dentists can control a full range of instruments, simply and precisely. Work modes can be set for each instrument and real-time, user-friendly usage info is shown on the 7" display.

Turbine, micromotor, scaler, curing light and intraoral camera settings can be adjusted for specific dentistry specialisations. An intraoral camera or curing light can be added as the sixth instrument.

Working with the utmost safety

Always looking for ways to make the dentist's work more effective, Anthos provides new technologies that streamline everyday tasks and so speed up examination/treatment.

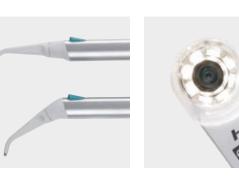
FLUO micromotor. Available as an option on both micromotors, UV LED light highlights composite materials.





Micromotors. Three versions: i-MMr (3.3 Ncm) with and without LED; i-MMs (5.3 Ncm) with LED lighting, also for endodontic and implantology treatment. From 100 to 40,000 rpm.

Syringes. Ergonomically-shaped 3 and 6-way syringes are available. The metal syringe body and the tip (both straight and angled versions are available) can be removed and autoclaved.



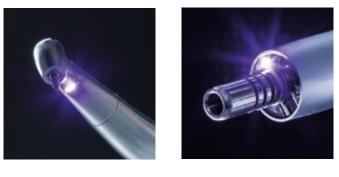
HD camera. The C-U2 has glass optics and a LED light diffuser. It incorporates an HD 16:9 sensor that captures high definition clinical images.

HIGHER POTENTIAL



In addition to their advanced clinical performance, the full potential of Anthos-developed instruments is brought out by full integration with dental unit electronics. Dentists can personalise operating parameters to suit their specific discipline and user profile. Together with its integrated instrumentation, Classe R7 boosts the surgery's clinical potential significantly.

Easily visible. The composite material in the tooth is highlighted by the UV LED light. This makes its removal easier, faster and more precise compared to illumination with traditional white LED light



Micromotors with FIT technology.

In addition to improvements that reduce both weight and noise, Anthos micromotors are now available with FIT (Fluorescenceaided Identification Technique) technology to help dentists see any composite materials in the teeth. Activating the UV LED lights incorporated in the micromotor, highlights those parts of the tooth treated with composite materials. In the case of old composite that needs to be reworked, this visual aid helps dentists shorten treatment times and operate more precisely and safely. It also provides dental inspection support by helping to identify any composite materials present.



For orthodontists.

Following the completion of fixed brace treatment, bracket removal is simpler and more effective if the composite material is clearly highlighted by the fluorescence-activating LED light emitted by the micromotor.

Aesthetic treatment.

An aid to detecting the composite material that secures the invisible attachments using UV LED light is extremely useful during removal procedures. Dentists can thus proceed more safely, confident that no composite traces will be left on the tooth.

Hence the introduction of a new optional feature on our micromotor range.

CONSERVATIVE MODE



Freedom of movement

FLUIDITY

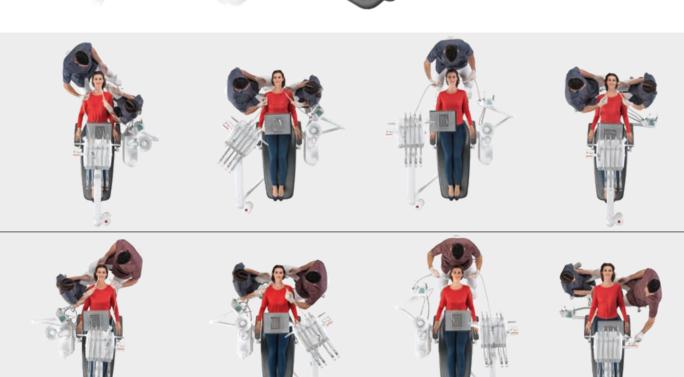
Continental version design makes the most of the maneuverability of individual dental unit modules. By enhancing interaction within the dental team, workflows are smoothed and streamlined. The streamlined module is light and compact while

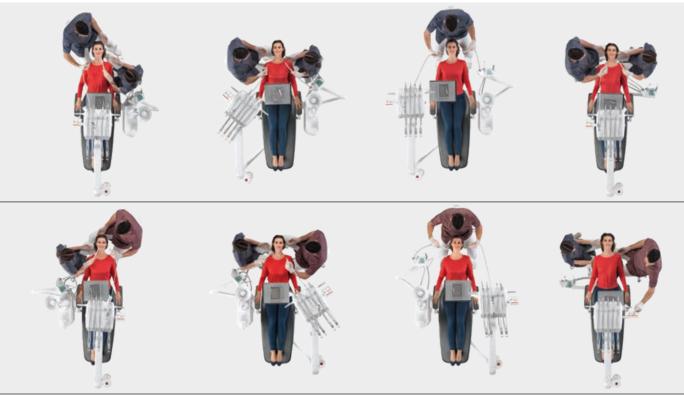
the instrument levers, which reduce vertical bulk, minimize interference with the operating light and allow considerable extension. Each lever has individually adjustable traction force and balance.

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Equipped with the option of SideFlex technology, the instrument levers ergonomically follow sideways tubing movement. The coupling reduces on-wrist traction and fatigue while optimising instrument recovery from every working position.







Outstanding ergonomics.

Whatever the treatment zone, positioning is easy and ergonomic thanks to the broad excursion of the new module arm system and its pneumatic vertical release mechanism.

Ergonomic versatility

FLEXIBILITY

International module handpieces can be gripped with ease from any working position. The instrument layout is the result of modern design and a careful analysis of dentists' needs. A blend of optimal control panel

visibility, instrument accessibility and spatial organization ensures unrivalled ergonomics. A transthoracic version of the large tray holder module is also available, a useful aid during surgery sessions.







CLASSE R7 CART

The Cart version ensures absolute working freedom. The outstanding mobility of the dentist's module makes it perfect for any workplace and optimal for operating theaters. It provides all the necessary around-the-patient space yet is equally capable of letting one, two or even three staff members work simultaneously. Height-adjustable, the module features an easy-grip handle and a large table area.





Made-to-measure assistant's side

CONFIGURE

Classe R7 maximizes assistant-side configurability. Solutions with a 3 or 5-holder assistant's module are available. Mounted on a height-adjustable double-articulated arm, this highly useful module incorporates

a glass-protected touchscreen that controls patient chair movement and other key functions such as activation of hygiene systems (where applicable), water to the cup, operating light on/off, rinse and stand-by.





Assistant's module with 5 instruments.

The optional module has 5 instruments. It can assume any position needed to maximize working ergonomics. The 2 cannulae can be combined with up to 3 selected handpieces, including camera, syringe and a dynamic instrument.







Assistant's module with 3 instruments.

Supplied as standard, the 3-instrument module can assume multiple positions, ensuring an effective response to every clinical need.



The cuspidor bowl can be replaced with a swivel tray holder installed on the front cover of the unit body.



Modular Version.

On R7 Modular versions, the assistant's module can easily be positioned on both sides of the patient chair thanks to the articulated height-adjustable arm which swivels around the pin located behind the seat.

Cuspidor bowl with optical sensor.

The water-to-cup delivery system can be equipped with an optional automatic filling sensor. The ceramic cuspidor bowl is fully removable to allow fast, efficient sanitization. A powered cuspidor bowl is also available as an option. In this case the software synchronizes rinse tasks and patient chair movement.

Operating light

TECHNOLOGY

LED operating lights ensure optimal illumination of the treatment area. Today's technology allows lighting parameters to be adjusted as per individual clinical requirements.





Venus LED MCT (Multi Color Temperature).

The Venus LED MCT (Multi Color Temperature), instead, allows for the use of three different color temperatures to ensure perfect lighting of the oral cavity under all circumstances.

4300K warm light for surgical treatment, 5000K neutral light for conservative dentistry and 5500K cool light for realistic color capture.

All temperature variations, from warm to neutral or cool and vice versa, can easily be activated and always ensure a perfect view of the operating area according to the treatment being performed.

Optimal light beam efficiency minimizes shadows in the oral cavity.





The special **Curing Mode** function modifies light wavelength to prevent pre-polymerisation of the compounds, simultaneously ensuring optimal lighting.







Wall or cabinet-mounted light.

Venus MCT LED can be built into the cabinet or fixed to the wall. The wall-mounted system offers horizontal and vertical installation of the base element for additional flexibility. The arms extend conveniently to reach the operating area providing adequate illumination of the patient's mouth.



Venus Plus-L LED.

Venus Plus-L LED features a potentiometer that lets users adjust light intensity from 3,000 to 50,000 Lux and has a color temperature of 5000K. On-off control and adjustment via infrared sensor.



Venus E LED.

Supplied as standard, Venus E LED, equipped with a "no touch" switch-on sensor, has adjustable light intensity from 7,000 to 40,000 Lux and six LED lighting sources to minimise shadows on the treatment area.

Effective communication

WORKFLOW

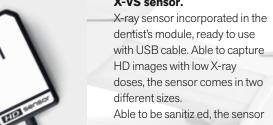
The Classe R7 comes ready for integration of a multimedia system, with imaging and X-ray devices providing excellent communication. The immediate availability of diagnostic data enhances medical team efficiency, eliminating downtimes and workflow interruptions. With the integrated camera, the image can be duplicated on the 7" Full Touch Multimedia control panel and can also be enlarged for a better view of the details. When the dental unit is connected to the surgery network, images from a PC can also be viewed. The patient has a clear picture of

his or her condition. Immediate and clear sharing of information strengthens the relationship with the dentist. This facilitates accurate evaluation of the patient's state of health and treatment possibilities.



C-U2 HD camera.

High-resolution images aid dentistpatient communication. Easy to use (no manual adjustment required), slender design means distal zones can be reached with ease. The C-U2 has glass optics and a LED light diffuser. It incorporates an HD 16:9 sensor that captures high definition clinical images.



is IP67 certified against water and dust infiltration.

Full Touch Multimedia.

The "pinch to zoom" feature on the Full Touch Multimedia control panel, with smartphone technology, allows you to enlarge or reduce HD images acquired with a camera or digital X-ray sensor or saved from a USB port or PC.

Protected environment





Because all systems are fully

integrated with the dental

assistant can monitor and

Full Touch display.

unit electronics, dentist and

personalise procedures via the

S.H.S.

The device that feeds water to the sprays as an independent alternative to mains water is supplied as standard. Works by way of a tank filled with distilled water: this prevents limescale build-up. Extremely useful where mains water is hard.

SAFETY

A combination of active devices and constant defence against contamination form the bedrock of the Anthos hygiene system. Careful design of dental unit components at risk of contamination makes surface cleaning tasks easier and more effective. Safety in the surgery is further enhanced by the presence of removable parts and suitable materials.





Cuspidor bowl unit. Fully removable for fast, effective sanitisation, the cuspidor bowl unit consists of parts that are easy to clean and disinfect (ceramic as standard or, as an optional, glass).



These easily removable filters

make emptying and cleaning

tasks simple.



Upholstery. Easy-to-sanitise, durable seamless padding.

BIOSTER and FLUSHING

The automatic BIOSTER system performs intensive disinfection of instrument spray internal circuits with an antiseptic liquid (Peroxy Ag+). Each stage of the cycle is controlled by the software and settings can be personalised by the user. FLUSHING gives the spray ducts a fast rinse to eliminate any stagnant liquid from tubing. Its use is recommended every morning when the surgery opens.



A.C.V.S.

Automatic system for the flushing and cleaning of the suction system. Allows sanitisation to be performed between one patient and the next.



O.D.R.

As-standard mechanism that automatically emits an air jet to clean any residual liquids or solids from the handpiece after use.



Handpiece support. Instrument support mat in autoclavable silicone.



Removable instrument levers. The optional SideFlex instrument levers can be removed to aid cleaning tasks.

The value of choice

ACCESSORIES

A broad range of accessories lets dentists personalize the operating unit according to their specific needs.



Seats.

A range packed with ergonomic solutions. **S9** is the latest-generation saddle-shaped active seat with tilt mechanism. Evens out weight distribution and corrects posture to minimise strain on the spine.

S7 for the dentist, height adjustable and with the option of adapting the backrest angle. **S8** for the assistant, with a circular seat to facilitate frequent position adjustments as required during treatment.

Each model contributes to maintaining energy levels and a feeling of wellbeing throughout the day.

Foot control.

Three different ergonomic designs are available, each of which has a wireless version. These allow activation of Chip Air/Water, micromotor rotation inversion, patient chair movement and recall of saved positions.





Stop Vacuum. Device incorporated in the patient chair base: when pressed it interrupts suction without the user having to replace the cannulae in the holders.



Headrest.

In addition to an adjustable 2-axis version with mechanical lock, the Comfort model features a pneumatic lock system and 3-axis movement for freer, more precise positioning.

Anthos Connect

All products in the Anthos dental unit range are equipped with an integrated device that allows internet connection. This means the practice can rely on a real-time remote diagnosis and technical support service. Moreover, Di.V.A.* (digital virtual assistant) lets dentists track use of the dental unit, the







Disinfection cycles.

The Di.V.A. tracks frequency of hygiene system use. It logs each system start to build up a record of performed disinfection cycles. Useful for inpractice inspections, it also estimates consumption and monitors effective reactivation of equipment.

Using the instruments.

The dashboard lets users monitor how the integrated instrumentation is actually used, info on individual instrument work modes (Conservative, Endo) included. This helps estimate maintenance requirements or assess the need for upgrades on some machines.

instrumentation and the completed disinfection cycles, all on a simple dashboard.

Just open any browser to access the digital virtual assistance services website. Constantly updated, these services are available on the cloud, are specific to the purchased model and do not require any software downloads.

*Digital Virtual Assistant

REMOTE ASSISTANCE





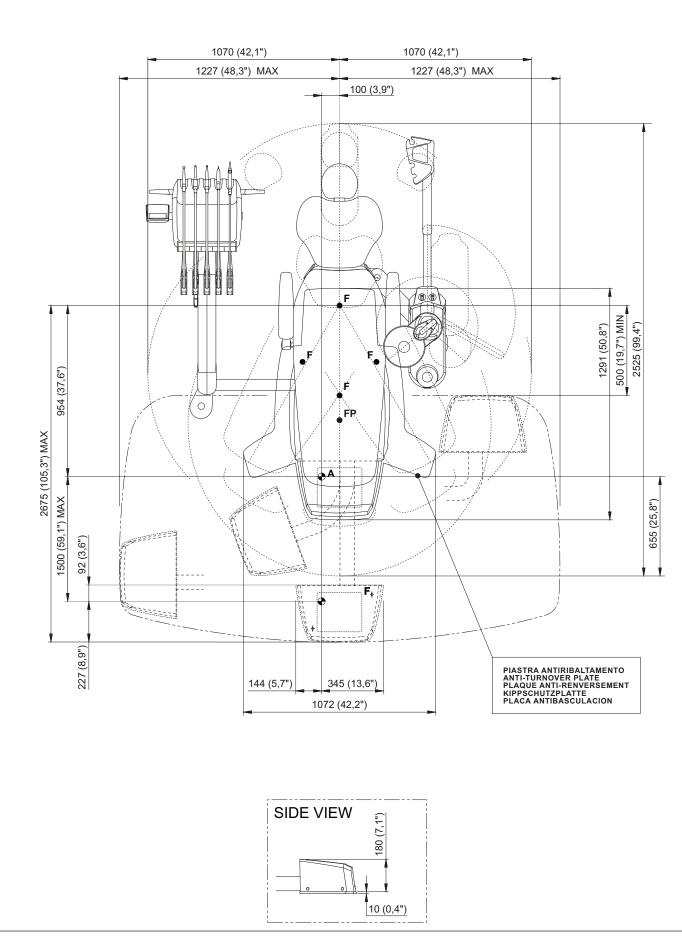
General use.

It's possible to monitor usage of a single dental unit or the complete installed machine pool. This means a dental practice owner or a dental practice chain can track how their dental units are being used, as quantified by the optional sensor that detects patient presence or operating light activation.



Tutorials and user manuals.

Thanks to Di.V.A., users can access tutorials specific to the purchased model (e.g. a video showing how to disassemble the cuspidor bowl or fill the tanks used for disinfection). Users also have direct access to the constantly-updated online use and maintenance manual.



HYGIENE SYSTEMS
Tank for independent water feed
FLUSHING - Water circuit rinse-out device
BIOSTER S - Automatic spray water circuit disinfection system
A.C.V.S. Suction System flushing and sanitation
O.D.R. device - liquid anti-retraction
DENTIST'S MODULE
i-MMs Micromotor with f.o. (100-40,000 rpm) with with torque adjustment, a
i-MMr micromotor (100-40,000 rpm)
i-MMrL micromotor with f.o. (100-40,000 rpm)
Micromotor i-MMs FLUO with FIT technology
Micromotor i-MMrL FLUO with FIT technology
3-way syringe
6-way syringe
6th instrument
Integrated ZEN-X X-ray sensor
Reciprocating mode module
Peristaltic pump kit with saline solution irrigation set
"Torque curves" implantology function
NFC multi-operator system
UNIT BODY
Motor-driven cuspidor bowl
Tray holder configuration instead of cuspidor bowl
Water-to-cup heater
Spray heating
Connection for external devices (air, water and power supply)
Venus LED MCT operating lamp
Venus E LED operating lamp
Venus Plus-L LED operating light
PATIENT CHAIR
Patient chair rotation ±30° with pneumatic stop
Standard 2-axis headrest
Comfort 3-axis headrest
Power Pedal foot control
Pressure-operated foot control
Multi-function foot control
Power Pedal foot control - wireless
Pressure-operated foot control - wireless
Multi-function foot control - wireless
Control keypads on seat side
Rotating patient chair armrests (right and left)
Patient presence sensor

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