ANTHOS.COM

R7

**ANTHOS CLASSE R7** 

INTERNATIONAL







#### **BU Medical Equipment**

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CONTINENTAL INTERNATIONAL CART ORTHO





CLASSE R7 MODULAR

INTERNATIONAL CONTINENTAL CART







CLASSE R7
PATIENT CHAIR

# 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.











Easily applied on either side of the 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 optimises working ergonomics for the dentist and comfort for the patient. Thanks to ISO-JOINT geometry, compensated backrest-seat movement

maximises comfort and minimises sliding of the patient's head. Type-approved to lift up to 160 kg, the patent chair offers extensive vertical excursion.







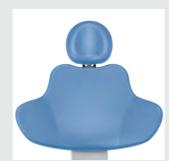








A choice of several backrest types - narrow, wide and Nordic - meets all the dentist's ergonomic needs. As always, the backrest guarantees patient comfort and easy access.



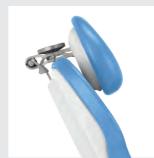


**Keypad.**Conveniently integrated on both sides of the seat, the keypad controls all patient chair movement.









#### 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

**PERSONALISE** 

Tapered patient chair shaping lets the surgery staff operate fluidly and hindrance-free. What's more, essential shaping makes surface sanitisation easier and more effective.

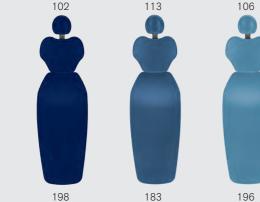
Standard upholstery (which can be matched with seats) is hard-wearing, seamless and available in 14 different colours to allow eye-pleasing personalisation of the dental surgery.



#### COLOURS

- 102 198 Atlantic blue
- 113 183 Pacific blue
- 106 196 Mediterranean blue
- 136 186 Indian blue
- 135 194 Venetian red
- 115 195 Scottish salmon
- 132 192 Blueberry violet
- 134 184 Japanese wisteria
- 103 182 Nevada yellow
- 123 193 Polynesian green
- 101 197 Caribbean green
- 137 187 Satin silver
- 121 199 Anthracite grey
- 130 180 Graphite black

#### Standard upholstery



**Memory Foam padding** 



186





192









197







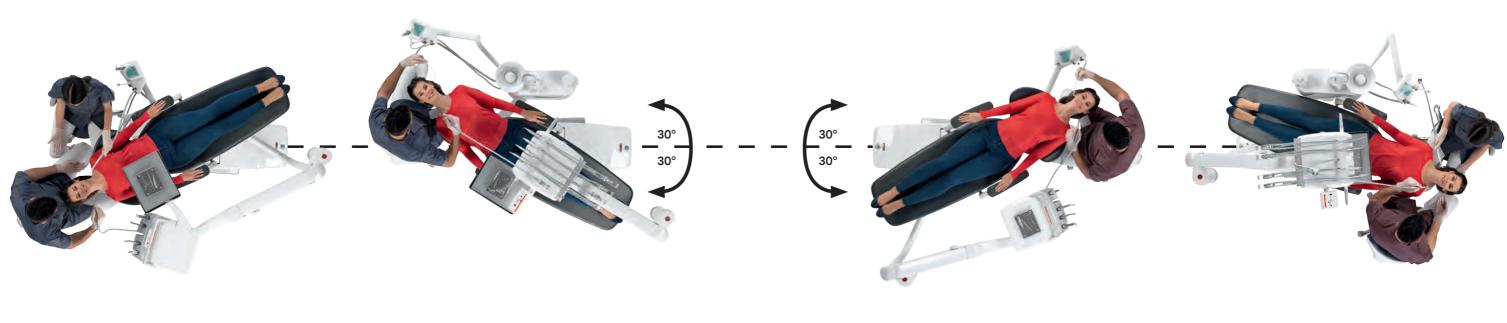
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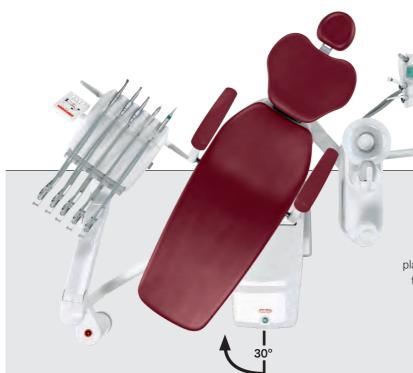
## Operating efficiency and plenty of space

**RATIONALISE** 

Classe R7 provides outstanding freedom of movement. Rationalising 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.

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.

This mode, supplied with Soft Motion, 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

The control panel lets users manage all dental unit functions and personalise 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.





#### Voice controls.

Available as an optional, the voice assistant optimises 'patient chair time', minimises physical contact with accessory systems and streamlines tasks performed without an assistant.

The system recognises micromotor/scaler mode voice commands; voice control also lets users switch on/off and adjust the operating light, and move the patient chair to set positions or saved working positions. It can also start the timer when performing clinical procedures such as impression-taking. If the dental unit is connected to the PC, voice control can be used to interact with the image management software, open patient folders and save camera or integrated X-ray sensor images.



The dental unit also features the option of NFC connectivity.

The system has a microchip integrated on the dental unit and an IP68-rated silicone NFC bracelet. This practical, light, easily sanitised bracelet is brought up to the side of the tablet with the NFC symbol: the dental unit instantly recognises the dentist and the software applies the settings he/she previously saved during registration. Useful in multi-user practices, the system has 20 memory slots (i.e. for up to 20 dentists). Users can save personalised settings for the patient chair, for integrated instruments, interface preferences and automatisms for operating light, cuspidor bowl and cup. Every time the dentist links to the dental unit by bringing the bracelet up against the dentist's module, the system recalls all saved custom settings.





#### Maximum versatility.

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.

### **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 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.



#### 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.



#### 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 in-practice 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, Implant) included. This helps estimate maintenance requirements or assess the need for upgrades on some machines.



#### 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.



Di.V.A

## Full endodontic functions

#### **ENDO MODE**

Since Classe R7 can incorporate a complete endodontic therapy applications system, dentists no longer need to obtain stand-alone instruments to perform root canal treatment. This system includes a micromotor, an integrated database of

suitable contra angles and endodontic files, Autostop-Autoreverse-Autoforward functions and an electronic apex locator. All of these can be precision-controlled via the Full Touch panel.

#### Contra angle.

With a 4:1 reduction ratio, the EVO E4 can be autoclaved and heat-disinfected.

A miniaturised head aids access to difficult-to-reach treatment zones.

#### i-MMs micromotor.

Light, compact and fully autoclavable. Fine, precise torque adjustment.



#### Apex locator.

The apex distance is indicated on the display during the root canal instrumentation phase. The nearing of the apex is verified by the ENDO software.

Once the apex is reached the Apex-Stop function interrupts micromotor rotation.

#### Reciprocating mode.

A combination of reciprocating mode (i.e. alternating rotation movement) and the EVO E4 contra angle allows use of RECIPROC®, RECIPROC BLUE® and WAVEONE GOLD® endocanalar files. The endodontic file identification trademarks are not owned by Cefla or any of its associated companies.

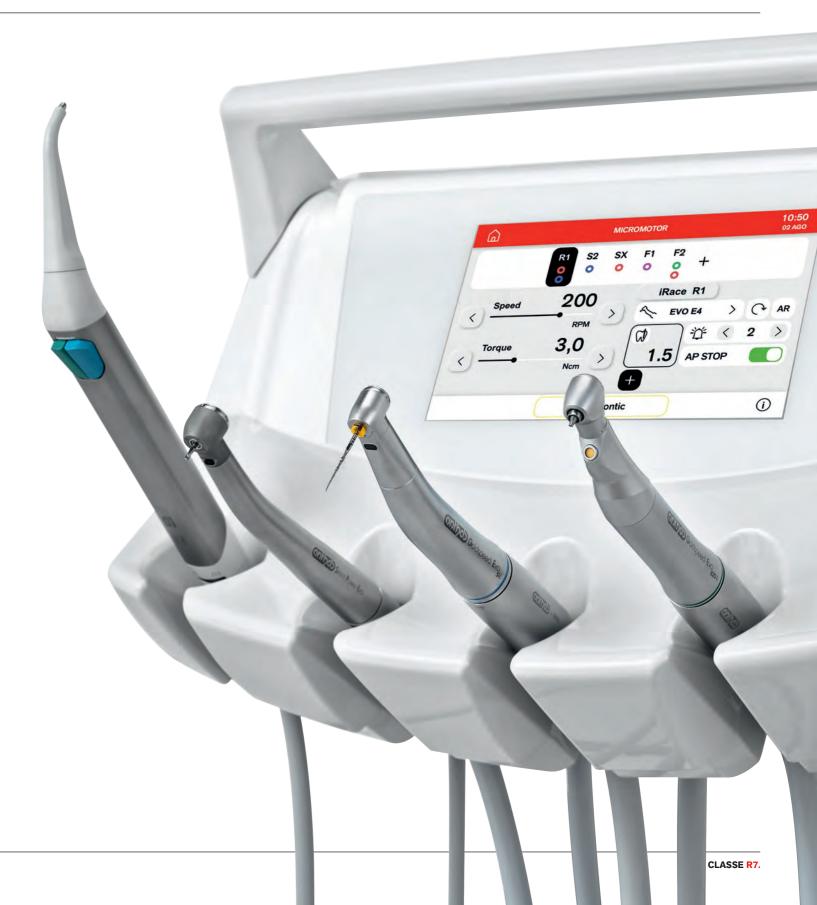
Essential data is displayed during treatment, ensuring complete control.
The software automatically sets torque and speed; alternatively, dentists can set values according to personal requirements.







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# Integrated implantology devices

**IMPLANT 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 EVO R20L 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.







#### EVO R20L contra angle.

Designed for implant surgery. Can be removed, autoclaved and heatdisinfected. Features internal cooling and external spray. LED lighting is powered by an integrated generator.





#### 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.



#### 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.



CLASSE R7.

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## Working with the utmost safety

#### **CONSERVATIVE MODE**

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

Micromotors with FIT technology. In addition to improvements that reduce both weight and noise, Anthos micromotors are now available with FIT (Fluorescence-aided Identification Technique) technology to detect 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.

support by clearly identifying any

composite materials present.

It also provides excellent dental inspection







#### Eacily vicible

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

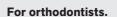
### **T-LED**

The new curing light can activate composite materials, latest-generation ones included. An expanded emissions spectrum

greatly enhances the effectiveness of the instrument, which features programmes for every need.

CLINICAL EFFICIENCY





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.

Being able to detect 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.





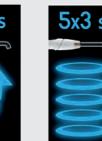












**User-friendly programming.** With a fully autoclavable light guide, T-LED also features a modern user-friendly control interface. Seven curing programmes are available. These include the new *bracket* programme which consists of 5 brief rapid-succession emissions.

## 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.





#### **HIGHER POTENTIAL**

In addition to their advanced clinical performance, the full potential of Anthosdeveloped 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.



**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.



Scalers. With or without LEDs, handpieces compatible with the best tips on the market. Highly useful in ENDO mode as root canal treatment instruments.



**Turbines and contra angles.** Dentists can use a broad range of turbines and contra angles for specific dentistry tasks.



**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.



**T-LED.** New curing light with a broad emissions spectrum that allows optimal activation even of latest-generation composites. Maximised ergonomics thanks to the swivel grip.



**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.

### **Freedom of movement**

#### **FLUIDITY**

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

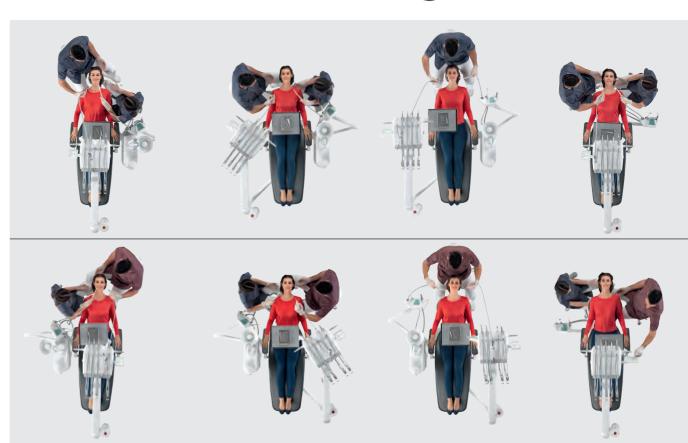
while the instrument levers, which reduce vertical bulk, minimise interference with the operating light and allow considerable extension. Each lever has individually adjustable traction force and balance.



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.







## **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 organisation ensures unrivalled ergonomics. A transthoracic version of the large tray holder module is also available, a useful aid during surgery sessions.







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 theatres. 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 maximises assistant-side configurability. Solutions with a 3 or 5-holder assistant's module are available. Mounted on a height-adjustable doublearticulated 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 maximise working ergonomics. The 2 cannulae can be combined with up to 3 selected handpieces, including camera, syringe, T-LED curing lamp or 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.

On ambidextrous models with a unit body, a positionable stainless steel tray holder module completes the accessories range.



#### 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 sanitisation. A powered cuspidor bowl is also available as an optional. In this case the software synchronises rinse tasks and patient chair movement.



#### Swivel tray holder.

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



## **Configuration for orthodontists**





#### Orthodontist's module.

Orthodontists can choose the configuration of the module, which has holders for two cannulae, a syringe and two dynamic instruments.

They can also choose freely among turbine, scaler and micromotor.

The display indicates instrument speed or power while the keypad lets users control the light, patient chair and the same instruments.

Orthodontists can enjoy additional convenience with an optional positionable tray holder.



CLASSE

### **Operating light**



## **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.



#### 22" LED Monitor.

Full HD 16:9 monitor with excellent brightness and contrast levels thanks to the LED light sources. A certified medical device, visible from all angles, it is also available in a multitouch version and can be installed with 2 different types of support.



#### Voice controls.

If the dental unit is connected to the PC, voice control can be used to interact with the image management software, open patient folders and save camera or integrated X-ray sensor images.

#### C-U2 HD camera.

High-resolution images aid dentist-patient communication. Easy to use (no manual adjustment required), slender design means distal zones can be reached with ease.



X-ray sensor incorporated in the dentist's module, ready to use with USB cable. Able to capture HD images with low X-ray doses, the sensor comes in two different sizes. Able to be sanitised, the sensor 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**

#### **INTEGRATED SYSTEMS**

Workplace safety - for patient, dentist and assistant alike - depends on the effectiveness of integrated systems, and Anthos has one for every need. The Full Touch panel gives users full control over devices and also can be used to manage individual sanitisation or disinfection cycles.





#### Systems control.

Because all systems are fully integrated with the dental unit electronics, dentist and assistant can monitor and personalise procedures via the Full Touch display.



### **BIOSTER and FLUSHING**The automatic BIOSTER systematics are supported by the support of the sup

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.



#### 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.



#### CVS

Automatic system for the flushing and cleaning of the suction system.

Allows sanitisation to be performed between one patient and the next.



#### ODR

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

#### **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).



removable filters make emptying and cleaning tasks simple.



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



**Handpiece support.**Instrument support mat in autoclavable silicone.



Removable instrument levers. The optional SideF

**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 personalise the operating unit according to their specific needs.



#### 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.



**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.

\$7 for the dentist, heightadapting the backrest angle.

**\$8** for the assistant, with a circular seat adjustable and with the option of to aid the frequent position adjustments required during treatment.

Each model contributes to maintaining energy levels and a feeling of well-being throughout the day.



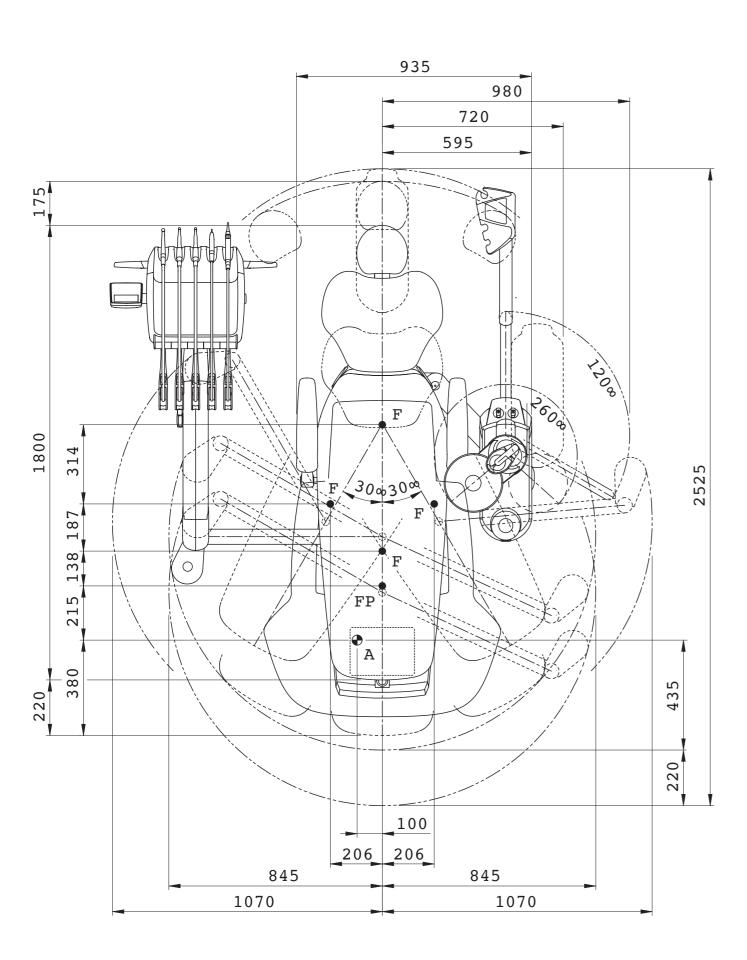












HYGIENE SYSTEMS	CONT	INT	CART	CONT	INT	CART
Tank for independent water feed	•	•	•	•	•	•
FLUSHING - Water circuit rinse-out device	0	0	0	0	0	0
BIOSTER S - Automatic spray water circuit disinfection system		0	0	-	-	-
A.C.V.S. Suction System flushing and sanitation		0	0	-	-	-
O.D.R. device - liquid anti-retraction	•	•	•	•	•	•
DENTIST'S MODULE						
i-MMs Micromotor with f.o. (100-40,000 rpm) with with torque adjustment, autoreverse and autoforward	0	0	0	0	0	0
i-MMr micromotor (100-40,000 rpm)	0	0	0	•	•	•
i-MMrL micromotor with f.o. (100-40,000 rpm)		•	•	0	0	0
Micromotor i-MMs FLUO with FIT technology		0	0	0	0	0
Micromotor i-MMrL FLUO with FIT technology		0	0	0	0	0
Anthos u-PZ 6 scaler		0	0	0	0	0
Anthos u-PZ 7 f.o. scaler		0	0	0	0	0
3-way syringe	•	•	•	•	•	•
6-way syringe	0	0	0	0	0	0
6th instrument	-	0	0	-	0	0
Integrated ZEN-X X-ray sensor	0	0	-	0	0	-
Removable stainless steel tray holder module suitable for 2 standard trays	•	0	-	•	0	-
Integrated apex locator	0	0	0	0	0	0
Reciprocating mode module	0	0	0	0	0	0
Peristaltic pump kit with saline solution irrigation set	0	0	0	0	0	0
"Torque curves" implantology function	0	0	0	0	0	0
Voice Control system	0	0	0	0	0	0
NFC multi-operator system	0	0	0	0	0	0
UNIT BODY					ı	
Motor-driven cuspidor bowl	0	0	0	-	-	-
Tray holder configuration instead of cuspidor bowl	0	0	0	-	-	-
Water-to-cup heater	0	0	0	-	-	-
Spray heating	0	0	0	0	0	0
Venus LED MCT operating lamp	0	0	0	0	0	0
Venus Plus operating lamp	-	-	-	•	•	•
Venus Plus L-LED operating light	•	•	•	0	0	0
PATIENT CHAIR				ı		
Patient chair rotation ±30° with pneumatic stop	0	0	0	0	0	0
Standard 2-axis headrest	•	•	•	•	•	•
Comfort 3-axis headrest	0	0	0	0	0	0
Power Pedal foot control	0	0	0	0	0	0
Pressure-operated foot control		0	0	0	0	0
Multi-function foot control		•	•	•	•	•
Power Pedal foot control - wireless		0	0	0	0	0
Pressure-operated foot control - wireless		0	0	0	0	0
Multi-function foot control - wireless		0	0	0	0	0
Control keypads on seat side		•	•	•	•	•
Rotating patient chair armrests (right and left)	0	0	0	0	0	0
Patient presence sensor	0	0	0	0	0	0

CLASSE R7

CLASSE R7 - MODULAR