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ANTHOS.COM

# L9. L6.

**ANTHOS CLASSE L9** ANTHOS CLASSE L6

INTERNATIONAL HYBRID



**EVOLUTION BEYOND EXPECTATIONS** 





#### evolve technology.

A new interface provides a user experience that exceeds every expectation. Voice controls enhance effectiveness when interacting with cuttingedge technology. Special instruments and functions aid the dentist's professional development.

#### evolve ergonomics.

A wide range of ergonomic solutions, International model included, meet every professional need. Three different versions maximise in-practice installation versatility. Custom styling, plus a patient chair that ensures unmatched comfort.

**NEW ANTHOS Classe L.** 







CLASSE L9.

## **Advanced interface**

**REAL TIME** 

7" touch screen for the Full Touch Multimedia control panel. The dentist can easily set the operating functions, customize all integrated device parameters, control patient chair movements and manage the hygiene devices. Data on conservative, endodontic and implant work

is given in real time for precise control by the dentist during treatment. The Full Touch Multimedia control panel also displays images and videos. The protective glass is impact and water-resistant and can be disinfected easily and safely.



#### Easy to use.

Intuitive on-screen graphics speed up work. Smartphone-like operation makes for an extremely simple, up-to-the-minute user experience. Available as an option on Continental, the LEFT SIDE PACK configuration allows use of the instrument control panel to the left of the dentist's module.



#### Camera-captured images and X-rays acquired via the integrated system can be



#### 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.





#### Images and video.

The Multimedia control panel lets you watch clips on dental unit use and maintenance.



#### 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 activate programmed patient chair movements. It can also start the timer when performing clinical procedures such as impression-taking.



The dental unit features 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 dentist's module with the NFC symbol: the dental unit instantly recognises the dentist and the software applies the settings he/she previously saved during

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.



#### Interactive LED Pack.

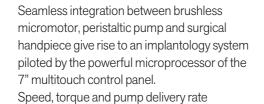
Optional application that makes dental unit design more appealing and provides user-friendly info on the status of the various integrated functions via LEDs. There are several warnings/indicators: their colour provides dentists with a range of useful information, from scaler mode to hygiene cycle progress on the dental unit.

During root canal treatment with the apex locator on, the LED ring changes colour, passing from green to yellow to red according to the distance from the apex (this mirrors the on-panel bar colours).

CLASSE L9.

# **Integrated clinical** performance



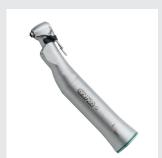


parameters can be selected and saved at any time. A simple, user-friendly interface lets users manage every single stage of work, quickly and precisely. This set-up thus eliminates the bulk associated with on-cart stand-alone systems.



### i-MMs micromotor.

This powerful, autoclavable micromotor delivers a torque of up to 70 Ncm and, together with the EVO R20L contra angle, provides a 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 heat-disinfected. Features internal cooling and external spray. LED lighting is powered by an integrated generator.





#### 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. The clinical information highlighted by this function provides sound support for any subsequent treatment on adjacent or contralateral teeth. Moreover, implant tightening torque is recorded as it may be included in the surgery documentation.

#### 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.





# **Endodontic specialization**

#### **ENDODONTICS**

Endodontic specialization has the benefit of a complete work system combining a dedicated micromotor equipped with Autostop, Autoreverse and Autoforward functions, a database of endodontic files and an optional apex locator. All of these can be precision-controlled via the Full

Touch panel. 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.





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.

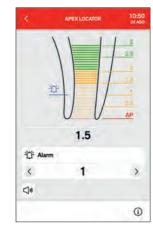
#### Apex locator.

The apex distance is displayed on the Full Touch display during root canal instrumentation. 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, with alternating rotation movement, and the EVO E4 contra angle allows the use of RECIPROC®, RECIPROC BLUE® and WAVEONE GOLD® endocanalar burs. The endodontic bur brand names are not owned by Cefla or any of its subsidiaries.









## Perfect patient chair

#### **OPTIMAL ENVIRONMENT**

Designed with people in mind,
Classe L9 is a workstation that
enhances the relationship between
the dentist and the patient. Dialogue,
engagement and discussion of the
clinical situation are simple and
immediate. The working environment
is serene. The seated position allows
the dentist to be in front of the
patient, with the benefit of direct and
more engaging eye contact when
explaining therapeutic treatments.



#### Patient presence sensor.

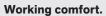
The patient chair can be equipped with a sensor (optional) that detects patient presence; this is connected to the stand-by function, thus reducing energy consumption when the patient chair is not actually occupied. Where the Di.V.A. is employed, the sensor gathers and processes statistical data on dental unit use. Dentists can, at their discretion, link the sensor to automatisms (e.g. operating light on/off according to whether a patient is present or not).





#### Footrests.

Powered footrests and optimal height positioning allow comfortable access for everyone.



Dental team members have easy access to all operating positions.













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# The advantage of movement

**SLIDING** 



# **Effective** communication

#### **DIAGNOSTIC INSTRUMENTS**

Classe L perfectly integrates with the diagnostic tools used in digital workflows. X-ray imaging and image acquisition on board the dental unit document clinical conditions in real time. 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 L9 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.



#### 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.

### RX DC - HyperSphere technology.

Intra-oral X-ray system integrated with the dental unit via a handheld wireless device. Outstanding images thanks to the parallelism that stems from 30 cm collimation and a focal spot of 0.4 mm. Rotating around the spherical coupling, the tube head can reach any position.

#### Zen-X.

X-ray sensor integrated 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. The sensor can be sanitised and is IP67-certified against water and dust infiltration.



#### C-U2 HD camera.

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

#### Monitor LED 22".

Full HD 16:9 monitor with excellent brightness and contrast levels thanks to the LED light sources.

Viewable from every angle, also available in a multitouch version and installable with 2 different types of support.

#### Control panel.

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.







## **Fast and intuitive**

**TOUCH LCD** 

The colour icons on the new control panel with LCD touchscreen display are designed for maximum user-friendliness. Activation of controls is immediate and the display

shows clear information on the functions used. Each individual instrument and all integrated devices can be easily and quickly accessed.

















#### Clean.

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

#### Timer.

With this function, operations that require verification of application times, such as the use of etching gel or compounds, are easily kept under control.

#### 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.

#### Multi-profile feature.

Cuspidor-cup system automatisms, favourite 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.



Endodonzia. In this mode. the optional integrated endodontics system optimises the ergonomics of root canal treatment. Consists of micromotor, Autostop, Autoreverse and Autoforward functions and an electronic apex locator. During endodontic treatment,

the colour LCD control panel displays key data to give the dentist full control of treatment. The software automatically sets torque and speed; alternatively, dentists can set values according to personal requirements.



#### Apex locator.

The apex distance is displayed on the LCD 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.

# **Optimal workflow**

### DIAGNOSIS AND COMMUNICATION

The integrated multimedia HD image acquisition and X-ray system helps shorten the time spent in the patient chair. Moreover, patients benefit from involvement in the process, ensuring they're well informed about the proposed treatment.

Faster diagnosis and effective communication with the patient mean faster workflows and higher overall surgery profitability.

#### INTRAORAL

#### RX DC - HyperSphere technology.

Intra-oral X-ray system integrated with the dental unit via a handheld wireless device. Outstanding images thanks to the parallelism that stems from 30 cm collimation and a focal spot of 0.4 mm. Rotating around the spherical coupling, the tube head can reach any position.

#### 22" LED Monitor.

Full HD 16: 9 1920 x 1080 pixel flat screen monitor with IPS panel to aid viewing from any angle. Outstanding brightness and contrast.

**Zen-X.** X-ray sensor integrated 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. The sensor can be sanitised and is IP67-certified against water and dust infiltration.

#### MULTIMEDIA

**Display.** The monitor can display individual camera images or a mosaic of up to 4 images to make rapid comparisons.

#### 22" LED Monitor.

Monitor with PC cable connection. A multitouch version, where the screen can be positioned via 2 different types of support, is also available.

#### C-U2 HD camera.

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

CLASSE L6.

# **Spaces and styles** without limits

#### **EVOLVED ERGONOMICS**

Streamlined shapes for a Continental module that features instrument tubing with increased elongation and instrument levers that minimise both vertical bulk and interference with the operating light. Each lever has individually adjustable traction force and balance.

Whatever the treatment zone, positioning is easy and ergonomic thanks to the broad excursion of the new, more compact module arm system. For example, the transthoracic operating position can be reached with ease.





#### SideFlex technology.

Equipped with SideFlex technology, standard on the Classe L9 and optional on the Classe L6, the instrument levers ergonomically follow the lateral movement of the tubing. The coupling reduces onwrist traction and fatigue while optimising instrument recovery from every working position. The SideFlex instrument levers can also be removed for sanitation.



#### Working comfort.

To adjust instrument height, pneumatic release is activated by an on-handle sensor. Optional sixth instrument and tray holder module, available in two sizes.

#### Assistant's module.

The module has 3 or 5 instrument holders. It can assume any position needed to maximise working ergonomics. The 2 cannulae can be combined with a selection of up to 3 handpieces, including camera, syringe and T-LED curing light or a dynamic instrument.

The glass-protected touch screen controls all basic functions. A positionable stainless steel tray holder completes the accessory range.





The International module streamlines the dentist's work thanks to excellent instrument accessibility and display visibility.
A transthoracic version of the large tray holder module is also available, a useful aid during surgery sessions.



### Cuspidor bowl with optical sensor.

The water-to-cup delivery system features a sensor that automates filling. Opting for a powered cuspidor bowl synchronises rinse procedures and patient chair movement. (Optional on L6).





#### Side Delivery.

The Side Delivery module perfectly combines optimal control panel visibility, instrument accessibility and organization of the operating space. The instrument layout, the result of modern design and analysis of dentists' needs, ensures the best ergonomic grip of the instrument from any working position. Integrated motorisation (optional on the L6) in the module support column allows a 15 cm excursion, resulting in perfect adaptation to the working position of individual dentists. Mounted on the double articulated arm, the optional Professional tray holder ensures maximum efficiency, particularly in surgery and implantology.

## **Top performance**

#### **INSTRUMENTS**

Classe L has a broad selection of state-of-the-art instruments, including the latest brushless micromotors with FIT (fluorescence-aided identification technique) technology to detect any composite materials in the teeth.

The 7" Full Touch control panel on the L9 and the LCD Touch display on the L6 control the instruments in every work mode,

providing clear easy-to-read operating instructions in real time.

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, also on the new International module.



#### **POTENTIAL**

In addition to their outstanding performance, full integration of instruments with dental unit electronics ensures users are able to exploit their full potential. Parameters can be personalised according to the specific discipline and/or dentist's profile. Together with its instrumentation, the Classe L provides a powerful tool for the dentist... and the surgery as a whole.



**Micromotors.** Two versions: i-MMr (3.3 Ncm) with LED; i-MMs (5.3 Ncm) with LED lighting, ready 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.



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.

### **FLUO** micromotor

#### **CONSERVATIVE DENTISTRY**

Always on the lookout for techniques to boost the dentist's productivity, Anthos brings the 'power of light' to the fore with cutting-edge LED technology: on the one hand, by improving curing light performance and, on the other, by perfecting a UV LED technology that activates fluorescence of composites.







#### 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. It also provides excellent dental inspection support by clearly identifying any composite materials present.

## **T-LED**

The new curing light activates composite materials effectively, latest-generation ones included. An expanded emissions spectrum greatly enhances the effectiveness of the instrument, which features programmes for every need. With a comfortable, slimline handle and a pivot that allows 180° rotation,

users can easily find the most comfortable and effective instrument application position in the patient's oral cavity. With a fully autoclavable light guide, T-LED also features a modern user-friendly interface. **CLINICAL EFFICIENCY** 







#### For orthodontics and aesthetic treatment.

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





CLASSE L6.



## **Evolved wellbeing**

Available with a conventional seat or, on the L9, a knee-break, the patient chair is a key feature of the Classe L range. The padding, made of a durable material that retains its shape, comfortably seats patients of any

build

The exclusive movement of the articulated seat ensures comfortable access for everyone.





#### 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.





#### Memory Foam padding.

Optional Memory Foam padding offers patients an exclusive wellness experience. Swivel armrests offer comfort and feature inserts that match the upholstery.



#### Foot control.

Three different ergonomic designs are available (cabled or wireless versions). These allow activation of Chip Air/Water, patient chair movement and recall of saved positions.



#### Stop vacuum.

Device integrated in the patient chair base: when pressed it stops suction without the user having to replace the cannulae in the holders.



# Made-to-measure lighting

**OPERATING LIGHT** 

Proper lighting of the treatment area is a must. Perfect lighting of the oral cavity was the aim of the design choices to provide top-performance professional lighting fixtures. A choice between two different

LED-source operating lights. Both feature a 3-axis joint, a hermetically sealed front panel, a "no touch" sensor to adjust light intensity and a dual reflector to ensure a broad spotlit and shadow-free work zone.



Venus LED MCT. The Venus LED MCT (Multi Colour Temperature), supplied as standard on Classe L9, allows the use of 3 different colour temperatures to ensure perfect lighting of the oral cavity in every circumstance. 4,300K warm light for surgical treatment, 5,000K neutral light for conservative dentistry and 5,500K cool light for realistic colour capture.



**Sensor.** Light intensity is adjustable up to 50,000 Lux and can be modulated via the "no touch" sensor.



**Venus Plus-L LED.** Supplied as standard on Classe L6, this LED operating light features potentiometer-adjusted light intensity from 3,000 to 50,000 Lux and a colour temperature of 5000K. On-off control also via infrared sensor











**Light colour.** All temperature variations, from warm to neutral or cool and vice versa, can be activated with ease, ensuring a perfect view of the operating area according to the treatment being performed at all times. Optimal light beam efficiency minimises shadows in the oral cavity.

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

## Safety in the surgery

**HYGIENE** 

A broad selection of integrated hygiene systems ensures workplace safety. Safety for patients, personnel and the dentist. In addition to automatic devices that prevent contamination of internal ducting, the

design features effectively minimise the risk of cross-contamination. The colour LCD control panel gives the user full control over sanitisation cycle progress.



#### Essential design.

Instruments fit into special holders incorporated in the unit body. Meticulous design eliminates the need for accessories and significantly speeds up the initial procedures. Moreover, the volume of the tank reduces filling frequency and, as filling is done from above, there is no need to access the unit body interior.



#### W.H.E.

Certified DVGW continuous disinfection system that prevents backflow contamination of the dental unit water supply and acts against all water-borne contaminants. The use of Peroxy Ag+ is recommended.



#### **BIOSTER and FLUSHING.**

The automatic BIOSTER system performs intensive disinfection of instrument spray internal circuits with an antiseptic liquid (Peroxy Ag+). FLUSHING eliminates any stagnant liquid from the ducts with a quick rinsing action.



#### A.C.V.S.

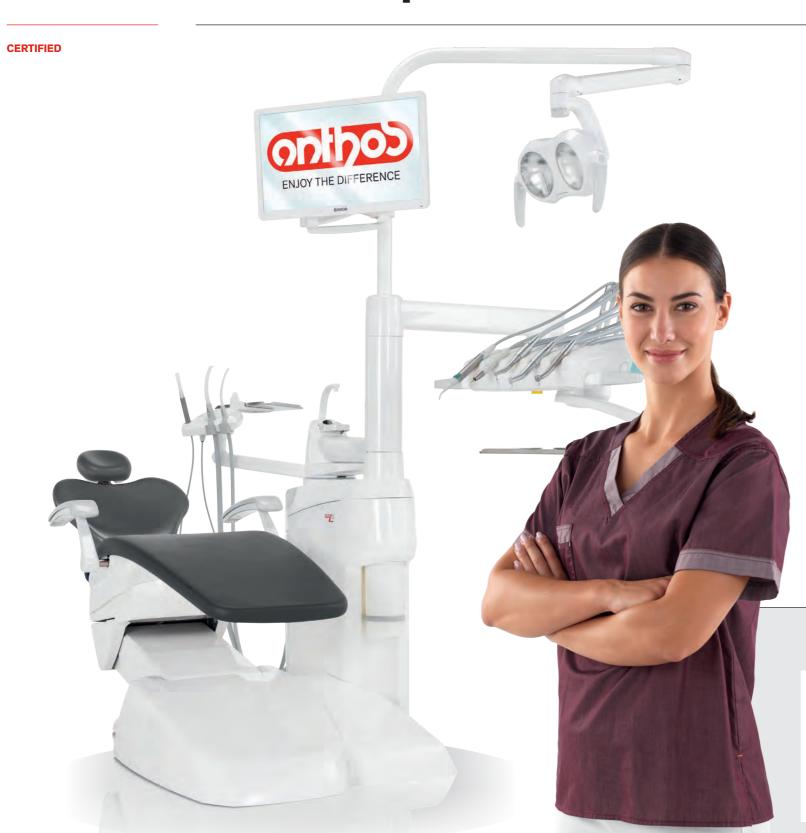
Automatic system for the flushing and disinfection of the suction system. Allows sanitisation to be performed between one patient and the next.



#### S.H.S.

Device that feeds water to the sprays as an independent alternative to mains water. Works via a reservoir filled with distilled water. Extremely useful where mains water is hard.

## **Constant protection**





**Double filters.**These easily removable filters make emptying and cleaning tasks simple.



Removable instrument levers.
The SideFlex instrument levers can be removed to aid

cleaning. Optional on L6.



The Continental module handle is removable and disinfectable.



Removable support.
On the Continental module, the instrument support can be removed and disinfected.



**Operating light.**The handles are removable and autoclavable.



**Handpiece support.**Autoclavable silicone instrument support mat



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



**Unit body access.**Wide opening on the side of the unit body for easy access to integrated systems.

# **Anthos Connect**



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.

\*Digital Virtual Assistant

#### 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.

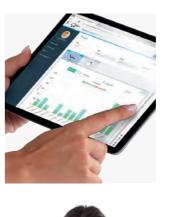


#### Tutorials and user manuals.

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.



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.





#### Patient sensor.

The patient sensor gathers and processes statistical data on dental unit use; the information is transmitted to the Di.V.A. and displayed on the dashboard.

## The value of choice

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

# \$9 \$7 \$8

#### Seats.

A range packed with ergonomic solutions.

**\$9** 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, height-adjustable and with the option of adapting the backrest angle.

**S8** for the assistant, with a circular seat 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.



Wide backrest



Narrow backrest

### Backrests.

A choice of two backrest options (narrow backrest/wide backrest) meets all the dentist's ergonomic needs.

The patient's comfort is always ensured.



Nordic backrest

#### COLOURS Standard upholstery 102 198 Atlantic blue 113 183 Pacific blue Mediterranean blue 113 106 136 135 115 132 134 103 123 101 137 121 130 136 186 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 194 184 182 193 187 180 186 137 187 Satin silver 121 199 Anthracite grey 130 180 Graphite black **Anatomical padding**

# Personalised choice, versatile layout

**MULTI-CONNECTOR** 



#### Multi-connector system.

There are no longer any obstacles to choosing the best practice layout. With the multi-connector system, replacing the old dental unit with a new Anthos model is work-free as the appropriate installation kit can be selected to match the existing power outlets at the time of order.

#### Installation kit.

S – connections are located under the patient chair leg rest (standard)\*

K – connections are located under the front of the unit body

P – connections are located under the rear of the unit body

\* not available for patient chair with knee-break on Classe L9







