

DESIGN  
FULL OPTIONAL  
TECHNOLOGY  
SURGICAL  
INTEGRATION  
EXCLUSIVE  
SPACE  
PERFORMANCE  
ERGONOMICS  
COMFORT  
HYGIENE  
TORQUE  
POWER  
TOUCH CONTROL



CLASSE A9



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01/2013 ACL9GB131500  
Our policy of constant technological upgrading means that technical specifications may be subject to change without prior notice.



CLASSE A9



**A9.**  
THE BEST OF PERFORMANCE



"I'VE CHOSEN ANTHOS. I'VE CHOSEN THE BEST."

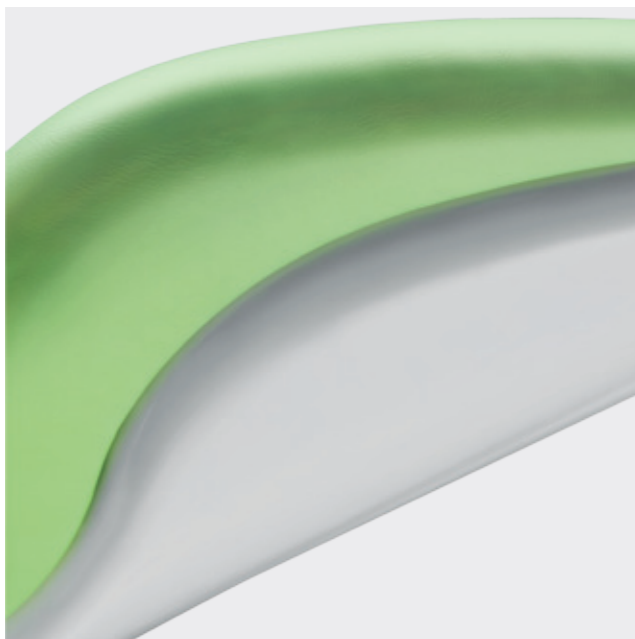


CLASSE A9 

Simply the best. Better because complete. Complete because of ergonomic flexibility designed to suit everyone; because it features cutting-edge instruments and technologies for those who habitually practice conservative dentistry, endodontics or carry out surgical implants. An all-round hygiene system with automatic devices ensures maximum tranquillity for both personnel and patient. Superlative comfort for dentist, assistant and patient. Lastly, outstanding design and the very latest technological developments provide all-embracing practicality and performance. The best of Anthos.

# A9.

SOMETIMES QUALITY IS  
INVISIBLE, YET PERCEIVED AS  
SOON AS THE DAY'S WORK  
BEGINS. IT BECOMES TANGIBLE  
IN EVERY SINGLE ASPECT  
THAT CONTRIBUTES TO THE  
ENHANCED EFFECTIVENESS  
OF WORK. CLASSE A9 IS THE  
HIGHEST EXPRESSION OF  
ANTHOS QUALITY.



Classe A9 features only the best, longest-lasting materials, specifically selected as a function of their precise purpose. Exclusive and, above all, practical design ensures enhancement and improvement of the treatment process. Innovative yet thoroughly tested digital electronics ensure cutting-edge performance. Classe A9 is, quite simply, pure class.

The concept of solidity begins, naturally, with the patient chair. Thanks to cast aluminium structural parts that provide outstanding mechanical strength, the patient chair is able to lift up to 190 Kg (certified). The strength of aluminium, but also lightness to smooth the movement of the transthoracic arm, the arched form of which easily slips over the patient.



QUALITY IN THE DNA  
OF THE DESIGN

A9.



- 1 SKAI upholstery with tear-resistant fabric reinforcement
- 2 Special plastics resistant to chemical aggression and accidental impact
- 3 Structural parts in cast aluminium ensure outstanding dental unit sturdiness
- 4 Integrated imaging systems with 19" medical monitor and LED lighting
- 5 Quick coupling instrument tubing for simplified instrument tubing changeover (dentist and assistant)
- 6 Assistant's instrument control panel made of materials that ensure high key sensitivity and greater user-friendliness
- 7 LED operating light with infrared sensor. Excellent brightness, low consumption, outstanding durability

- 8 Instrument levers are made of Nylon to withstand frequent strain
- 9 Removable powered ceramic cuspidor bowl, highly resistant to chemical corrosion
- 10 Optical sensor detects cup presence
- 11 Full Touch panel for intuitive user-friendly control of the dental unit and its integrated systems
- 12 Gloss paint to maintain surface shine
- 13 Capacitive sensor to deactivate the pneumatic brake on the dentist's module support arm
- 14 Advanced suction system with Stop Vacuum device and independent cannula selection

QUALITY ABOVE ALL ELSE

A9.

THE MOST REMARKABLE INNOVATION ON THE CLASSE A9 STEMS FROM THAT SPECIAL ANTHOS ABILITY TO TRANSFORM THE MOST ADVANCED TECHNOLOGY INTO PRACTICAL USER-FRIENDLY SOLUTIONS. CONTROLLING THE DENTAL UNIT AND ITS INTEGRATED SYSTEMS VIA THE NEW FULL TOUCH INSTRUMENT CONTROL PANEL OPENS THE SURGERY TO A REFRESHINGLY PRECISE AND IMMEDIATE WAY OF MANAGING TREATMENT.

Created to provide an intuitive interface that is an integral part of the dental unit, the control panel features a highly powerful microprocessor and a new Linux operating system which enables connectivity with external devices.

Consisting entirely of a large 5.7" touch-screen display, the instrument control panel provides a full array of instrument and dental unit system data, using simple icons to speed up browsing and give immediate access to parameter personalisation.

The dentist can manage the integrated instruments in 3 different modes via the software: conservative dentistry, endodontics and surgery in the case of the micromotor. Whatever the mode, the dentist can choose either a simplified display or a detailed one showing more in-depth information; the simple screen shows only essential data, while the detailed one allows personalised settings to be made.

Dentists can display the status of both the dental unit and its integrated systems via the INFO icon at top right.

The USB port allows dentists to save their settings and, where necessary, load them onto other Anthos dental units with the same type of instrument control panel. X-ray images can also be loaded for fast on-display viewing.



Thanks to the incorporated accelerometer, dentists can flip the instrument control panel 90° to have a horizontal display at their disposal as well as a vertical one.

THE FEEL OF THE FUTURE



# A9.

CONFIGURING THE CLASSE A9 WITH HIGH PERFORMANCE INSTRUMENTS, MULTIMEDIA DEVICES, AND A HYGIENE SYSTEM WOULD BE MEANINGLESS WITHOUT THE PERFECTLY INTEGRATED SOFTWARE THAT ALLOWS FOR CONTROL OF ALL THE PARAMETERS AND DISPLAY OF A WEALTH OF DATA.



In endodontics mode, the software automatically sets combined torque-speed values for the file selected from the pre-loaded library.

Used together with the peristaltic pump (an option integrated on the dentist's module), the i-MMs induction micromotor is an instrument simply perfect for oral surgery. Using the Full Touch display software, dentists can adjust and set a whole series of operating parameters, saving up to 4 contra angles or 4 burs for each specialised discipline. In implantology 4 personalised settings are available to let the dentist make the guide hole, execute two drilling stages and place the implant.

Pre-loaded libraries contain a selection of certified contra angles, the parameters of which are recognised by the software immediately. There also exist several settings with generic ratios, the operating tolerances of which are wider. Dentists can easily save those settings they use most frequently and also set torque and speed manually within an adjustment range that goes from 100 to 40,000 rpm. In implantology mode, according to the selected contra angle, the motor can reach a torque value up to 70 Ncm.

The auto-reverse and auto-forward functions can be activated via the instrument control panel, where the dentist can also set parameters according to the specific treatment.

Via the instrument control panel the dentist can choose whether to work with air/water spray or water only and can also select the foot control work mode: progressive or fixed power setting. It's also easy to personalise several secondary parameters such as the brightness of optic fibre instruments.

During polymerisation of dental composites, a dedicated key on the display allows the dentist to choose minimum brightness mode on the Venus Plus - L LED operating light.



SAFETY AND CONTROL DURING TREATMENT

A9.



CLASSE A9  
CONTINENTAL



COMFORT CAN TRANSFORM  
AND ENERGIZE THE DAILY  
SEQUENCE OF DENTAL SURGERY  
TASKS. MANY OF THE FEATURES  
ON THE CLASSE A9 HAVE BEEN  
SPECIFICALLY DESIGNED TO  
ALLEVIATE THE PHYSICAL AND  
MENTAL STRAIN DENTISTS  
ARE OFTEN SUBJECT TO ON  
ACCOUNT OF THE NATURE OF  
THEIR WORK AND WORKPLACE.



The Comfort headrest can be adjusted to provide optimal support. All movements are controlled via the pneumatic mechanism which is activated from a pushbutton on the lower side of the headrest. Adjustment of the orbital tilt mechanism is effortless, as is vertical adjustment, which adapts the headrest to even the tallest patients. It accompanies the patient's head and precisely into the perfect treatment position.

A comfortable, relaxed patient favours an efficient, smooth workflow. Ensuring maximum comfort is essential, especially during prolonged treatment sessions. For this reason Anthos recommends anatomic padding, which provides proper support for patients of all builds. Thanks to intelligent shaping of the zone between seat and backrest, the chair does not hinder access to the patient and provides the dentist with greater freedom of movement.



COMFORT AND WELLBEING

A9.



FREEDOM MEANS BOUNDLESS COMFORT. DENTISTS WHO CHOOSE CLASSE A9 WILL ENJOY MORE SPACE AND OUTSTANDING ERGONOMIC VERSATILITY. LONG-REACH ARMS, THE SAME VERTICAL TRAVEL AS THE DENTIST'S MODULE ARM AND EASE OF HANDLING TRANSFORM A COMPACT DENTAL UNIT INTO A TREATMENT CENTRE PERFECT FOR DENTIST AND ASSISTANT ALIKE.



Improving the quality of work means making both dentist and assistant the focus of attention. Height adjustment of the assistant's module arm allows optimal positioning of the module itself and the instruments available to the assistant. The instrument panel includes controls for patient chair movement, operating light switch-on and rinse, as well as BIOSTER hygiene system and independent S.H.S. feed activation keys.

Simple yet extremely practical solutions. The cuspidor bowl has been designed to optimise external dimensions without compromising on interior capacity. More workspace is available to the assistant when the cuspidor bowl is stowed in its home position over the unit body. Both cuspidor bowl movement and the rinse programme are activated via the foot control or instrument panel, chair and bowl moving simultaneously to reach the correct position.

Whatever the working position adopted by the dentist, smooth manoeuvrability of all instruments/devices and a specially shaped patient chair aid fluidity of movement and an unhindered approach to the operating zone.

Without having to place the cannulae back in their holders, temporary interruption of suction is achieved simply by exerting pressure on the base of the patient chair.



THE DYNAMICS OF COMFORT

A9.



CONSTANT, MAXIMISED EFFICIENCY ALSO BECOMES POSSIBLE WHEN TECHNOLOGY PLAYS A ROLE DESIGNED TO MAKE WORKFLOWS MORE NATURAL, ENSURING SMOOTH SYNERGY WITH DENTISTS' WORKING PRACTICES AND PROVIDING SOLUTIONS THAT MEET THEIR NEEDS PRECISELY.

The 16/9 medical-grade 19" monitor with LED lighting is available in two versions: standard and touch-screen. LED lighting means reduced power consumption, long-lasting light sources and, above all, excellent contrast, colour intensity and pin-sharp images. Dentists who opt for the practical touch-screen, which allows direct interaction with the imaging software, are aided by a dual-articulation support arm (optional) that provides extensive monitor mobility.

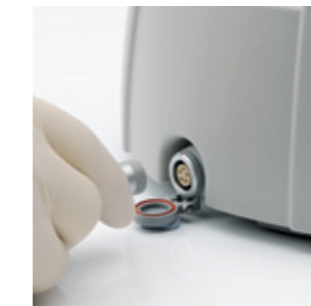


On the S9 stool, innovative ergonomics enhances wellbeing by helping to prevent the muscular-skeletal pathologies that are so common among dentists. Thanks to wide adjustment ranges for seat height, seat tilt and lumbar support tilt, the S9 is perfect for people of any build.



The importance of technology is, more than anywhere else, evident in working comfort. The LED operating light provides excellent contrast, proper lighting and realistic colours. Venus Plus – L LED also offers the comfort of 3-axis rotation, on/off control and light intensity adjustment via infrared sensor.

- Colour temperature 5,000 K
- Light intensity from 3,000 to 50,000 Lux



## ALL-AROUND HI-TECH

The optional wireless foot control allows the dentist to place the control unit where it is most convenient. Lithium ion batteries provide a long-lasting charge. Nevertheless, a mains lead connection point is available at the rear of the unit where the battery charger connector is also located.

# A9.



NOTHING LEFT OUT AND  
NOTHING LEFT TO CHANCE.  
THIS IS THE GUIDING  
PHILOSOPHY OF THE  
ALL-ROUND HYGIENE CONCEPT.  
WHILE DENTIST AND PATIENT  
BOTH NEED TO RELY ON TOTAL  
SAFETY, IT SHOULD NOT COME  
AT THE COST OF DISTRACTING  
THE MEDICAL PERSONNEL:  
THEIR FOCUS MUST BE ON  
ACTUAL TREATMENT.



Each active hygiene device works according to user-established criteria to ensure high levels of safety. Intrinsic to the design, the passive hygiene concept minimises any risk of contamination.

To ensure maximum effectiveness, Anthos recommends the joint use of 2 optional hygiene systems and utilisation of Peroxy Ag+ (hydrogen peroxide with silver ion enhancement).

The W.H.E. system performs continuous bacteriostasis activity on the water line. Moreover, it provides suitable backflow contamination protection of the dental unit water supply in compliance with the EN 1717 standard.

With automatic cycles, instead, the BIOSTER device carries out disinfection of water and spray circuits.

While the W.H.E. system ensures non-proliferation of bacteria in the machine water circuits, BIOSTER, thanks to the proven effectiveness of silver ion-enhanced hydrogen peroxide at 3%, performs drastic reduction of the bacterial load even more effectively.



MAXIMUM PROTECTION

A9.

THE KEY GOALS OF THE ANTHOS-DEVELOPED PASSIVE HYGIENE CONCEPT ARE MINIMISING CROSS-CONTAMINATION RISK AND FACILITATING ASEPSIS IN THE DENTAL SURGERY. THE USE OF REMOVABLE PARTS ALLOWS IN-DEPTH HYGIENISATION.



A high-flow double filter with automatic and independent cannula selection provides greater single cannula suction efficiency.



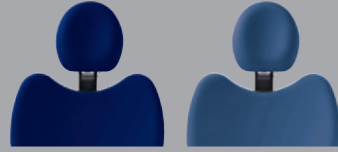
Using materials suitable for disinfection or sterilisation also makes a vital contribution to dental unit hygiene. Moreover, the accessibility of the systems makes cleaning tasks easier.

Precision control of integrated systems via the new touch-screen interface enhances both the efficiency of the dentist and the effectiveness of treatment. Should it be necessary to disinfect the glass surface of the Full Touch control panel the dentist simply presses a special key to deactivate the touch-sensitive area temporarily.



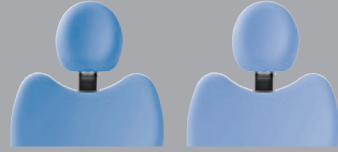
ENSURING A SAFE ENVIRONMENT

A9.



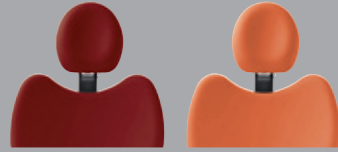
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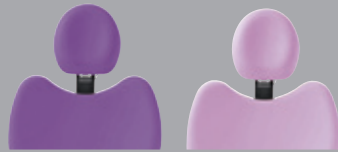
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115-195\*



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103

123-193\*



101-197\*

137



121-199\*

130

#### Standard upholstery colours

- 102 Atlantic blue
- 113 Pacific blue
- 106 Mediterranean blue
- 136 Indian blue
- 135 Venetian red
- 115 Scottish salmon
- 132 Blueberry violet
- 134 Japanese wisteria
- 103 Nevada yellow
- 123 Polynesian green
- 101 Caribbean green
- 137 Bright silver
- 121 Anthracite grey
- 130 Graphite black

#### Anatomical padding upholstery colours (\*)

- 197 Caribbean green
- 198 Atlantic blue
- 196 Mediterranean blue
- 195 Scottish salmon
- 199 Anthracite grey
- 194 Venetian red
- 193 Polynesian green

### ACTIVE HYGIENE SYSTEMS

#### W.H.E.



#### Water Hygienisation Equipment

Automatic system that ensures permanent disinfection of the spray and cup fill circuits via the addition of H<sub>2</sub>O<sub>2</sub>, exerting a bacteriostatic effect. The system has an EN 1717-compliant Type A inlet air gap separation device to prevent contamination of mains water.

#### Bioster - Flushing



**Bioster**, an automatic device that disinfects the water and spray circuits using a 3% hydrogen peroxide solution, ensures thorough sanitisation at the end of the treatment session before the next patient's arrival. Contact time can be set from 5 to 30 minutes. The **Flushing** device, which is incorporated in the BIOSTER system or can be purchased separately, provides fast, effective rinsing of tubing via a water flow that can be set to last from 1 to 5 minutes.

#### Peristaltic Pump



The peristaltic pump allows utilisation of sterile irrigating liquids during oral surgery or implant operations.

#### S.H.S.



#### Distilled Water Tank

The independent feed tank can hold 1.7 litres and is incorporated on the unit body. The additional tank is supplied for manual water circuit sanitation purposes.

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



#### Suction System Flushing And Sanitation

The automatic suction system flushing-sanitising device carries out rapid flush and subsequent disinfection cycles on the suction system interior.

#### O.D.R.



#### Anti-Retraction Device

The O.D.R. anti-retraction device on dynamic instruments blocks any fluid return and thus prevents backflow contamination of spray water circuits.

### PASSIVE HYGIENE

The cuspidor bowl with optional powered rotation and optical cup fill sensor is made of ceramic. The elements can be fully dismantled and removed for disinfection.

Interchangeable-autoclavable stainless steel tray holder module.

Membrane-protected touch keys.

Autoclavable silicon instrument support mat.

Removable front cover.

Cannula ends can be autoclaved.

Operating light handles can be removed and disinfected in an autoclave.

Seamless SKAI upholstery, easily removable for sanitation purposes.

A high-flow double filter with automatic and independent cannula selection provides greater single cannula suction efficiency.

Removable handpiece holder and rapid-coupling instrument tubing to simplify instrument changes.





#### Conventional stools

Dentist's stool with adjustable seat and backrest tilt. Height-adjustable assistant's stool with fold-down backrest/armrest. Extension kit and footrest ring available as optionals.



#### Wide or narrow backrest

Anthos offers a choice of two different backrest types.



#### Foot controls

The multi-function foot control is available in three different ergonomic designs.

- Progressive instrument activation.
- Immediate spray selection.
- Chip Air & Chip Water.
- Joystick-controlled patient chair movements.
- Rinse and home position activation.
- Micromotor rotation reverse and operating light switch-on with instrument extracted.

## INTEGRATED INSTRUMENTS AND ACCESSORIES

### Anthos micromotors



High performance induction micromotors, versatile and at the top of their category, smoothly integrated with dental unit electronics and with full memory-function control.

**i-MMs** A single micromotor with LED lighting suitable for any type of use, from conservative dentistry to oral surgery.

### u-PZ ultrasound scalers



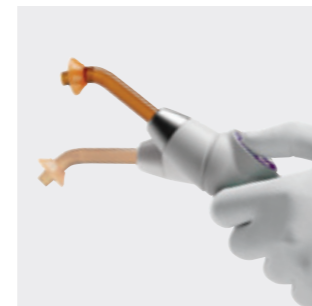
Scalers suitable for sovragingival prophylaxis and more invasive periodontic tasks. Thanks to the advanced control electronics, they are also used for the preparation of small cavities and in endodontic root canal cleaning techniques. Available with or without LED lighting.

### Silent Power turbines



A range of turbines constructed with ceramic ball bearings; silent and powerful, they can be thermo-disinfected and sterilised in an autoclave.

### T-LED Curing light



Exclusive patented instrument featuring programmes and accessories for every possible need. Light and articulated, 180° rotation allows use in both direct and 'gun' modes.

### 3F/6F/6F-L Syringe



3- or 6-function syringe for air, water, mixed spray with and without heating and version with LED lighting.

### Venus Plus - L LED



- Colour temperature 5,000 K
- Light intensity 3,000 to 50,000 Lux with potentiometer or via infrared sensor
- Power absorption 10W
- Minimum working life 50,000 hours
- 3-axis rotation
- On-off control via infrared sensor

## MULTIMEDIA AND X-RAY DEVICES

### RXDC HyperSphere



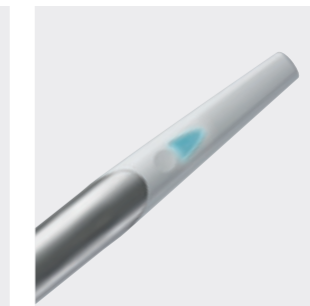
High-frequency X-ray unit incorporated in the dental unit; features a wireless control device and a 'spherical coupling' positioning system with a pneumatic tube lock/release mechanism.

### Zen-X



X-ray sensor incorporated on the dentist's module, fully controlled by the dental unit's multimedia software. Precision diagnostics at the touch of a button and outstanding comfort thanks to specially designed shaping that adapts to the oral cavity effortlessly.

### C-U2 intraoral video camera



C-U2 features Progressive Scan technology and has its control electronics incorporated in the dental unit; the software carries out real-time adjustment of all parameters for optimal imaging, ensuring that all the dentist has to do is frame the area of interest.

### C-U2 PRO intraoral video camera



PRO optics provide outstanding image quality and three different focussing settings. Progressive Scan technology allows the capture of high definition images.

### 19" LED Monitor



- Certified Medical Device as per CE 93/42
  - Optional touch screen
  - 16/9 TFT active matrix flat screen
- The touch-screen version of the monitor requires external support from a PC via a USB cable connection.