CLASSE R7
MODULAR LEFT-HANDED SPACE FREEDOM ADAPT WORKFLOW VERSATILE RIGHT-HANDED FLEXIBLE UNIVERSAL ERGONOMICS AMBIDEXTROUS CREATE QUICKSWITCH

"...ADAPTS TO MY WAY OF WORKING, PERFECTLY"

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“...I’VE CHOSEN ANTHOS.”

This is the universal integrated treatment centre, highly adaptable, modular and featuring numerous configuration solutions. The Classe R7 meets the needs of dental surgeons by offering ergonomic solutions compatible with all operating styles. Wherever it’s used, from private clinics to hospital dentistry departments, the Classe R7 is indubitably the right choice.

From complete integration to simple modularity, the model always offers just the right combination of features. One unit, a hundred solutions.
The total flexibility of the quickswitch concept is evident on the new fast-connect control panel.

To transform the dentist’s module from a right-handed to a left-handed configuration and vice versa, the user simply detaches the control panel, rotates the connector 180° and repositions the panel on the opposite side of the module.

As simple as slotting in a USB key.
In its complete version, with unit body, dentist’s module and assistant’s module, the Classe R7 can, in just a few quick moves, be converted from a right-handed dental unit to a left-handed one.

First, the user switches the unit body and assistant’s module from right to left. Then, via a simple rotation movement, the dentist’s module is positioned on the opposite side of the patient chair. Transformation is completed via simple re-positioning of the dentist’s module control panel.
COMFORT FIRST AND FOREMOST

There are a multitude of Classe R7 configurations, but on every single one the centrepiece is the patient chair, designed and built to provide both patient and medical team with maximum comfort. Cast aluminium, with its solidity, outstanding mechanical strength and lightness, allows for stylish chair design and a particularly thin backrest. A hydraulic mechanism provides smooth, silent movement of the chair.

Intelligent shaping
Special backrest shaping ensures the patient access zone is free from parts that might hinder the work of either dentist or assistant. Moreover, the backrest is equally slender so that the dentist can easily work with the lowered chair while maintaining the correct posture alongside the patient. The seat is modelled to provide the patient with secure yet comfortable anatomical support throughout the operation. Shoulder support area is gently curved to reduce patient movement and help him/her settle into as comfortable a position as possible. To ensure a relaxed position is maintained for longer, lumbar support has been incorporated into the backrest.

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Headrest
The dentist can choose between the standard, mechanical-movement, headrest or the orbital version with pneumatic release, which accurately accompanies the patient’s head into the perfect treatment position.

The seat also features extensive vertical travel, allowing the patient to be positioned at exactly the right height whatever the task at hand. Both dentist and assistant can carry out their work easily and hindrance-free.
The Continental version makes the very most of the manoeuvrability of the individual modules of the dental unit. By enhancing interaction within the dental team, workflows are smoothed and streamlined. The outstanding versatility of the Classe R7 Continental creates plenty of space, thus making patient access easier and improving the comfort with which dentist and assistant perform their work.
The International version presents the instruments on the dentist’s module in order to reflect the natural movements of dental surgeons. Pantograph arm mobility is outstanding, smoothly following the operator’s every move and change of position.
The Cart version ensures absolute working freedom. The mobility of the dentist’s module is perfect for any workplace and allows optimal positioning of the operating instruments. Whether right-handed or left-handed, the Cart solution offers an immediate response. Height-adjustable, the module features an easy-grip handle, a large table area and ergonomic instrument layout.
In its modular configuration, the Classe R7 allows the dentist to personalise the dental unit according to his specific workplace and work-based needs. The multiplicity of solutions ensures effective use of available surgery space, aiding freedom of movement around the patient chair and within the room.

**MADE TO MEASURE**

**Integrated suction**

The patient chair can be completed with the addition of the assistant’s module, which houses two cannulae and two instruments. Arm attachment and cannula connection are located on the patient chair base beneath the backrest: this point is easily accessible and has been chosen to smooth the switchover from right to left-hand module. A centralised suction valve and two cannulae must be provided.

**Ergonomic flexibility**

In surgeries with a centralized wet loop suction system, the version with assistant's module and without unit body can be completed by applying the dentist’s module arm or the Cart solution.
Because each surgical task requests a particular set-up around the operating area, Classe R7 provides outstanding freedom of movement. Outstanding mobility of individual components ensures that both dentist and assistant are assured easy access to the patient. The freedom provided by Classe R7 results in smooth workflows and maximal working efficiency.

RATIONALISING THE WORKSPACE

Maximum freedom: for the assistant

Thanks to integrated design of the modules on the assistant’s side, exceptional flexibility is ensured whatever the preferred operating style. All the most commonly used working positions are extensively covered by the mobility of the assistant’s module.

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

In every working situation, with or without the aid of the assistant, extensive movement of the 3 articulated arms always allow the assistant’s module to reach the operating zone and be positioned optimally.

There are four holders on the module: for 2 cannulae with roller supports (these can be removed for cleaning purposes) and for syringe, camera or curing light. The keypad is not tilted to ensure easy access to controls from any angle.

Patient chair rotation

Classe R7 can be transformed to suit any surgery layout and any type of operation. 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.
From the new control panel with colour TFT display to the foot control, now available in a wireless version, the user has total control of the entire dental unit at all times.

**ALWAYS UNDER PERFECT CONTROL**

**Evolved precision**
The TFT colour display is not just a user-friendly control panel; it incorporates cutting-edge software that gives the dentist precise control of instrument parameters and the main dental unit functions. Interactive electronics ensures attainment of maximum induction micromotor performance, with control of both speed and torque, expressed in Ncm.

Via a multi-function foot control, the dentist can control both instruments and patient chair with ease. With instrument extracted, it is also possible to switch on the operating light and reverse the micromotor rotation.

**Wireless foot control**
The new wireless foot control allows the dentist to use several dental unit functions in complete comfort without the hindrance of connection leads. Nevertheless, a mains lead connection point is available at the rear of the unit, where the battery charger connector is also located.

**Patient chair control keypad**
Located on both sides of the seat, this keypad controls patient chair movement, pivot lock/release and allows pre-set positions to be saved and recalled.
The i-MM induction micromotor is ultra-light and one of the most silent instruments in its category. Outstanding torque value, which reaches an exceptional 4.5 Ncm and a speed range from 100 to 40,000 rpm.

Featuring integrated LED lighting, autoclavable and suitable for all dental specialisations, from conservative dentistry to oral surgery, the i-MM provides perfect control via 2 different software modes, adjustable on the TFT display.

The i-MMr micromotor is ideal for conservative and prosthetic dentistry. Available with LED lighting (i-MMrL), it is a highly compact micromotor with 3 Ncm maximum torque.

On the International version a sixth instrument can be added to the dentist’s module. Dental camera or T-LED light. The dentist’s module in the International version can be completed with the transthoracic tray holder.

Anthos has developed an unparalleled instrument range: brushless micromotors, scalers, turbines, all perfectly integrated with the control electronics, to ensure precise, user-friendly parameter control.

To make instrument changeovers easier a system of quick couplings has been incorporated on both the dentist’s and assistant’s module.

Quick couplings

Venus and practical, this operating light has two brightness settings: 22,500 Lux, the standard light intensity, and 8,000 Lux to prevent polymerization of the composite filling.

- Colour temperature: 4,900 K
- 2-axis rotation

Venus – lLED
The dual-reflector LED operating light belongs to a new generation of intelligent lighting. It consumes up to 15 times less than a traditional light and has a guaranteed working life of over 50,000 hours.

- 3-axis rotation for greater comfort and precision
- On-off control via optional infrared sensor
- Adjustment of light intensity via infrared sensor or potentiometer from 6,000 to 50,000 Lux
- Colour temperature 5,000 K
- Hermetically sealed frontal screen
- Power absorption 10 W
The Classe R7 comes ready for integration of a multimedia system, the imaging and X-ray devices of which constitute excellent communication tools. The immediate availability of diagnostic data enhances medical team efficiency, eliminating downtimes and workflow interruptions.

**COMMUNICATION AND DIAGNOSIS**

**Dental cameras**
Consisting of integrated intraoral camera and file screen monitor, the multimedia communication system allows the dentist to make the very best of treatment results. The Progressive Scan digital technology on both cameras gives clear freeze-frame images without any analogue conversion of the video signal.

**C-U2**
Lightweight and manageable, the C-U2 has the highest lighting rating in its category. Luminosity is automatically adjusted by a microprocessor inside the handpiece and no manual focusing is required.

**C-U2 PRO**
PRO optics provide three different focal adjustments. Macro Close-Up enhances the perception of details. Intra-oral depth of focus allows for complete inspection of the oral cavity. Extra-oral vision, to show the patient the outcome of treatment.

**Zen-X**
The ZEN-X X-ray sensor is handily situated on the dentist’s module. The new generation sensor with three-layer technology provides clear, sharp images; the intermediate fibre optic layer ensures years of use without image deterioration. This gives readily available precision diagnostics and, thanks to careful shaping that ensures smooth adaptation to the anatomy, excellent comfort.

Available in 2 sizes, the sensor is solid and compact thanks to rear lead connection and sealing of the lining, which ensures outstanding protection of the sensor. With reduced overall volume inside the oral cavity, the sensor provides precise, quickly-usable images.
A new generation of stool with outstanding ergonomics and perfect performance. Suitable for people of different builds, ensuring proper posture whatever the working position.
The system also features a Type A air gap separation from mains water as per EN 1717 to prevent contamination of mains water.

The suction filters have an extensive filtration surface area resulting in greater efficiency of the suction filters and less frequent cleaning operations.

The O.D.R. anti-retraction device, installed on all dynamic instruments, stops droplet retraction and so prevents retrograde contamination of spray water circuits.

Located on the arm of the dentist’s module, when provided, this 1.7 litre tank provides a water source for sprays and cup that is independent from the mains supply. A second tank for sanitising fluids is provided for circuit disinfection purposes.

On the Cart version the bottle is positioned on the side of the module.

The ceramic cuspidor bowl and the cup and bowl fill unit can be fully removed and extracted for complete disinfection.

The stainless steel tray holder is interchangeable and autoclavable.

Membrane-protected touch keys.

Instrument support mat made of autoclavable silicone.

Cannula ends can be autoclaved.

Dentist’s module and operating light handles can be removed and cold-disinfected.

Seamless SKAI upholstery can be removed for sanitisation purposes.

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INTEGRATED INSTRUMENTS AND ACCESSORIES

ANTHOS-
MICROMOTORS
High-performance induction micromotors, suitable and at the very top of their category, now integrated with dental unit electronics and with full memory-function control.

C-U2 ULTRASOUND SCALERS
Scalers suitable for all types of use, from endodontic treatments to end-extraction and prosthetic work.

LED CURRING LIGHT
Exclusive patented instrument featuring programmable and accessories for every possible need.

FOOT CONTROLS
The multi-functional foot control is suitable for different ergonomic positions.

C-U2 PRO-INTRAORAL CAMERA
C-U2 with Progreesa free selection technology and control electronics integrated with the dental unit which provide optimal imaging thanks to realistic adjustment of all parameters, all the dental tool to do is focus on the desired subject.

C-U2 PRO-INTRAORAL CAMERAS
PRO option provides images via three different focal adjustments. The Progreesa from digital technology allows the capture of high-definition images.

R7: MULTIMEDIA AND X-RAY DEVICES

INTRAORAL CAMERA
C-U2 with Progressive Scan technology and control electronics integrated with the dental unit which provide optimal imaging thanks to realistic adjustment of all parameters, all the dental tool to do is focus on the desired subject.

R7: MULTIMEDIA AND X-RAY DEVICES

EXCEPTIONALLY COMPACT MICROSCALERS, AVAILABLE WITHOUT (HMN) OR WITH LED LIGHTING (HMNL). IDEAL FOR CONSERVATIVE AND PROSTHETIC DENTISTRY.
TECHNICAL DATA

Hygiene systems
Cycle for manual or pump assisted, with additional cycle for water circuit disinfection cycles

- Tank for independent supply and additional tank for water circuit disinfection cycles
- FLUSHING water circuit rinse-out device
- Dentist's module
- Micromotor i-MMs with f.o. (100-40,000 rpm) with torque, autoreverse and autoforward adjustment
- Micromotor i-MMm (1,000-40,000 rpm)
- Micromotor i-MMmL with f.o. (1,000-40,000 rpm)
- 3-function syringe
- 6-function syringe
- 6th instrument
- Panoramic X-ray viewer
- Integrated ZEN-X x-ray sensor
- Removable stainless steel tray-holder module suitable for 2 standard trays

Unit body
- Powered cuspidor bowl
- Tray holder configuration instead of cuspidor bowl
- Water-to-cup heater
- Spray heating
- Connections for external devices (air, water and power supply)
- Wiring for multimedia applications and PC connection
- Venus operating light
- Venus Plus operating light
- Venus Plus - L LED operating light

Suction system

- Patient chair rotation +/- 30° with pneumatic stop
- Standard 2-axis headrest
- 3-axis pneumatic headrest
- Power Pedal type pressure-operated foot control
- Pressure-operated foot control
- Standard foot control
- Wireless foot control
- Control keypads on seat side
- Rotating patient armrests (right-hand and left-hand)
- Child's cushion

Standard upholstery colours
- 104 Atlantic blue
- 105 Mediterranean blue
- 106 Indian blue
- 107 Depressive violet

as standard
- 108 Nevada yellow
- 109 Namib beige
- 111 Polynesian green
- 112 Satin silver
- 113 Pacific silver
- 114 Depressive violet
- 115 Scottish salmon
- 116 Madagascar green
- 117 Saffron yellow
- 118 Italian blue
- 119 Caribbean green
- 121 Anthracite grey
- 122 Satin silver
- 123 Indian blue
- 124 Satin silver
- 125 Namib beige
- 126 Mediterranean blue
- 127 Polynesian green
- 128 Satin silver
- 129 Mediterranean blue
- 130 Graphite black
- 131 Scottish salmon
- 132 South African red
- 133 African turquoise
- 134 Barbados green
- 135 Venetian red
- 136 Indian blue
- 137 Satin silver
- 138 Namib beige
- 139 Mediterranean blue
- 140 Polynesian green
- 141 Graphite black

DENTAL UNIT MODULI

Modulo R7
- Built-in water supplies
- Standard water, vacuum and air connections
- Pedals for foot-controlled suction
- Connection for dedicated disinfection cycles
- Feet for chair height adjustment
- Double chair height adjustment
- Additional chair height adjustment
- Chair height adjustment with seat position locking
- Operation keys on seat side
- Operation keys on control panel
- Operation keys on chair side
- Operation keys on chair armrests
- Operation keys on hearst panel
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ONE UNIT, A HUNDRED SOLUTIONS