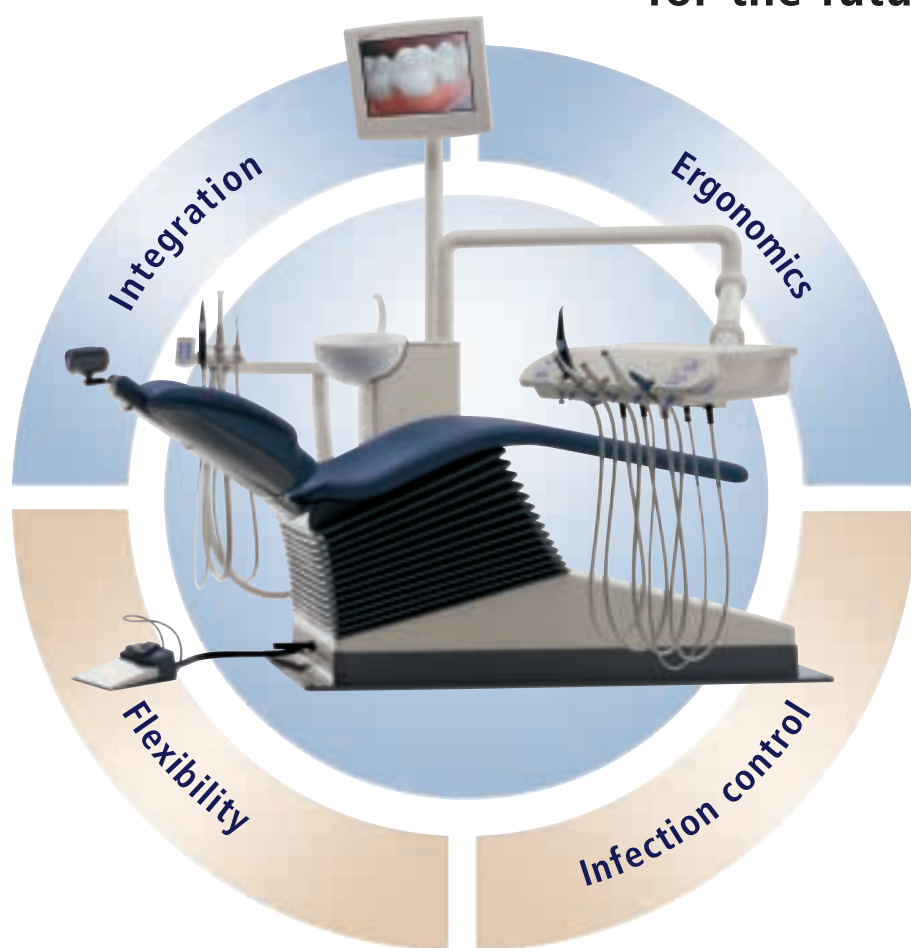


C8⁺



Treatment Centres

**C8⁺ – Your concept
for the future.**



The Dental Company

sirona.

C8⁺ – Your concept for the future.

The Sirona C8⁺ dental treatment centre offers unrivalled ergonomics, flexibility and aesthetics, plus a wide range of options that enable you to customise it to your specific requirements.

High-performance operating lights (choice of two different versions) – for dentists who prefer to work under daylight conditions

Ergonomic upholstery design and synchronised movement (ErgoMotion) of the seat cushion and backrest – for optimum patient comfort

C⁺ foot control for intuitive operation of the treatment centre functions

Some of the product features shown in the illustration are optional extras.

Integrated multi-purpose monitor – for effective patient communication

Dentist's element with generous work surface

Clearly structured control panel with quick adjustment keys for handpiece intensity

Intraoral camera in the dentist's element – ready for use at all times



C8+ – Maximum ease of operation.



Ease of operation – the benefits in brief:

- Integration of all the major instruments
- A single foot control for all the relevant treatment functions
- Clearly structured control panel with handpiece intensity indicators



Simple and intuitive operation. Treatment with C8+ is based on a single foot control concept. In other words, you can trigger all the relevant treatment functions using a single control system. The generous distance of travel is ideal for electrically powered and air-powered handpieces. What's more, by using only one foot control you can reduce clutter around your feet.



Save your settings. The automatic memory function saves the most recent handpiece selection and intensity settings. There is no need to press any buttons. This enables a seamless workflow. The intensity setting of the relevant handpiece is shown on the LED indicator.

Everything you need for efficient treatment. The C8+ accommodates your specific wishes. An intraoral camera, air polisher, illuminated scaler, electric

motor and curing light – the choice is yours. All the instruments and controls are within easy reach, ensuring smooth and uninterrupted workflows.



EL1 electric motor – a top performer: high torque, broad speed range, dynamic start/stop characteristics, plus outstanding durability and reliability.

Sirona high-speed handpieces – top performance in all categories.

ProSmile air polisher – light-weight, ergonomic and accessible at all times on the dentist's element.

SIROCAM C intraoral camera with 4-image memory (half-screen images) mounted directly on the dentist's element.

SIROSONIC ultra-sonic handpieces with a broad performance spectrum.

C8+ – Getting your message across.



Integration – the benefits in brief:

- Flexibly integrable patient communication system
- Digital X-ray viewing function
- Choice of two operating lights for optimum illumination of the treatment area



The choice is yours. The optional SIVISION 3 patient communication system opens up a whole range of new possibilities. You can choose between two different camera models, plus various camera-mounting options. SIVISION 3 can function as a stand-alone system or as an integral part of your practice network.

SIROCAM C
intraoral camera

SIROCAM 3
intraoral camera

X-ray
systems



- High-impact-resistance casing
- 4-image memory (half-screen images)
- 2 focal ranges: smile line/close-up



- One-piece titanium casing
- High-resolution 4-image memory
- 3 focal ranges: extraoral/intraoral/close-up



Transform your dental practice into a fully fledged diagnostic network.

Efficient communication. In-depth advice is essential if you want to gain the confidence of patients and persuade them to undergo a particular course of treatment. The flat panel monitor is ideal for viewing and discussing intraoral camera images and digital X-rays. In this way you can seamlessly integrate diagnosis, counselling and treatment, which can boost the earnings of your dental practice.

SIROLUX F

SIROLUX E



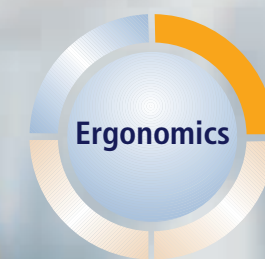
This lighting unit has removable (auto-clavable) handles and a light output of 25,000 lux. The high-performance, fan-cooled bulb ensures optimum illumination that is indistinguishable from natural daylight.



Featuring a protective shield and removable handles, the SIROLUX E has a maximum output of 22,000 lux. The bulb is convection-cooled.

Optimum illumination. The C8+ treatment centre offers you a choice of two different operating lights, depending on your preference. The high-performance SIROLUX F ensures colour-neutral illumination of the treatment area (white light spot) and a clearly defined illuminated area. Whereas the SIROLUX E generates a yellow-tinted light, which makes it easier to detect soft tissue pathology. Both light units are easy to focus. The light intensity is adjusted via a push-button on the dentist's element (e.g. it can be easily dimmed when using light-cured materials).

C8+ – Geared to your changing requirements.



Ergonomics – the benefits in brief:

- Ideal for two-handed and four-handed treatment
- Adapted to the requirements of right-handers and left-handers thanks to the swivelling cuspidor unit and rotatable chair



Stress-free treatment. The C+ backrest affords optimum access to the patient. The flexible positioning of the dentist's and assistant's elements means that the handpieces are always within easy reach. The C8+ provides relaxed working position, irrespective of whether you work alone or with an assistant.

Rotatable chair

Right-hander



Left-hander



Space-saving design. The rotatable C8+ patient's chair allows you to make the best possible use of the available floor space.

Right-left conversion

Open for new developments. If you choose the *Turn* option, you can transform the C8+ into a left-hander version – quickly and conveniently without the need for special tools. Only one member of your practice team is required for the changeover. Left-handed users work under exactly the same conditions as right-handers. The symmetrical arrangement of the keypad on the dentist's element plays an important role in this respect, as does the prominent position of the syringe.






C8+ – Maximum protection for your patients and practice team.

Infection control – the benefits in brief:

- Built-in disinfection unit
- All critical components can be removed and disinfected
- Smooth, easy-to-clean surfaces
- No contact between suction hoses and floor



The Sirona hygiene chain. End-to-end hygiene is something that patients recognise and value highly. All the hygiene-critical components of the C8+ treatment centre can be detached and then disinfected or sterilised. All surfaces and components are designed for simple and efficient handling. This ensures absolute hygiene at all times.

		
Light handles The handles are easy to remove thanks to the push-button mechanism.	Instrument holder Two fixing brackets for a perfect fit as well as easy removal for disinfection.	Control panels The silicone sleeve protects the entire control panel surface, with no compromises in terms of hygiene and touch sensitivity.

Built-in disinfection system

Permanent disinfection of the water channels



Simply add Dentosept – the system takes care of all the rest.

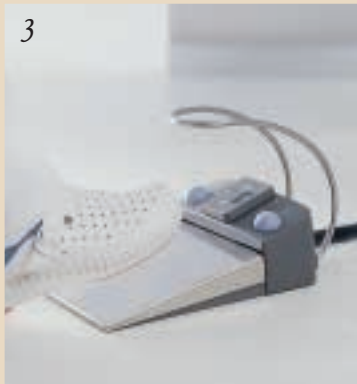
Sanitisation system



The sanitisation process is triggered at the touch of a button. The entire water system is treated with 100% Dentosept.



Following this, the instruments are treated with disinfectant directly.



The instrument rinse function is activated via the foot control switch.

Infection control all down the line. The built-in semi-automatic sanitisation system ensures optimum water hygiene at all times and significantly reduces the occurrence of biofilm. With the addition

of the optional automatic disinfection system the C8+ also gains a highly effective isolation barrier that safely and reliably prevents the return of contaminated fluids into the water source, i.e. city water.

In addition, the C8+ can be equipped with wet or dry suction systems. An amalgam separator is also available.



C8+ – One concept, four different versions.

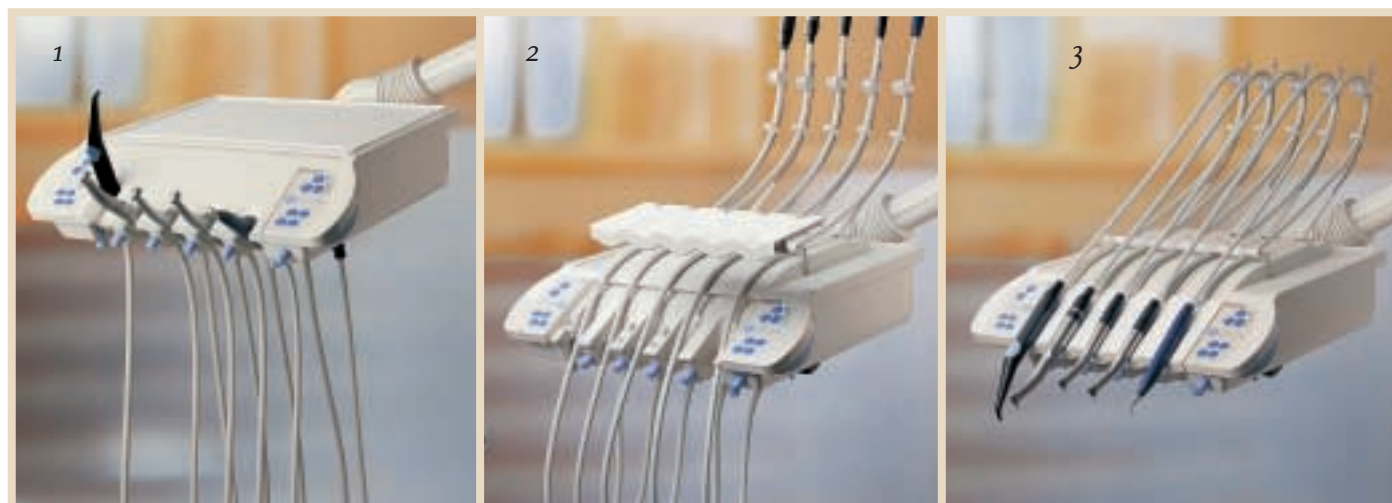
Flexibility – the benefits in brief:

- One concept, 4 versions: hanging hoses, whip-arm hose supports, cart, stand-alone cart
- Simple conversion from hanging hoses to whip-arm hose supports, or vice versa (an important factor if you are planning to sell your dental practice in the future)

Flexibility

The C8+ adapts to your individual needs. Hanging hoses, whip-arm hose supports, integrated cart version and stand-alone cart version – the choice is yours.

Easy to convert. Thanks to the identical hose lengths and the design of the handpiece mounting unit, converting from hanging hoses to whip-arm hose supports presents absolutely no problem. This is important if you are planning to sell the treatment centre at a later date. This outstanding variability ensures a good return on investment.



Two cart versions



The integrated solution

The cart is connected directly to the patient's chair and is controlled via the chair foot control. Offers the same high degree of user-friendliness as the all-in-one chair configuration.

The stand-alone solution

The cart is completely self-contained and has its own foot control switch. If required, the connection box (dimensions: Width x Height x Length 355 x 245 x 350 mm) can be installed in a cabinet.

C8+ – All the options at a glance.



Chair

C booster cushion – for the ergonomic and comfortable seating of children. Washable cover.

Extension kit for additional hand-pieces/hydrocolloid – for the direct connection of an air polisher to the chair unit. Comprises air valve, water valve and hydrocolloid connection.

4-way foot switch extension kit – for the adjustment of the patient’s chair.

Foot switch – for electric and air-powered handpieces.

Retrofit kit for above-floor installation – in cases when the supply lines cannot be installed under the floor.

Wide backrest (FH) – comfortable backrest with integrated arm support, flat headrest and additional wedge cushion. Also available with an articulating headrest.

Narrow backrest (FH) – narrow backrest with integrated arm support for good patient accessibility. With flat headrest and additional wedge cushion. Also available with an articulating headrest.

Swivelling armrests – for easy access to the chair.

Video/lighting options

SIROLUX E – Two light intensity settings (8,000 and 22,000 lux). Colour temperature: max. 4,500 K. The lighting unit is switched on and off via the control panel on the dentist’s element.

SIROLUX F – Two light intensity settings (8,000 and 25,000 lux). Colour temperature: max. 5,500 K. The lighting unit is switched on and off via the control panel on the dentist’s element.

Technical data	SIVISION 3 flat screen
Type	15” TFT XGA/SVGA/VGA VESA-compatible
Video input	VGA, RGB analogue, FBAS S-Video (Y/C) mini DIN with priority switching
Resolution	1024 x 768 pixels, interpolated
Horizontal frequency	48–60 kHz
Refresh rate	60–75 Hz (XGA)
Brightness	250 cd/m²
Contrast	350:1
Colours	16.7 million
Screen surface	Safety glass with anti-reflective coating
User interface	On-screen menu

Technical data	SIROCAM 3 intraoral camera
Image sensor	1/3” PCD
Resolution	752 x 582 pixels
Light source	7 white-light LEDs in the lens unit
Object distance	3 fixed distances Close-up Intraoral overview Anterior teeth (extraoral)
Image memory	4 half-images, integrated into camera
Weight incl. cable	approx. 200 g
Casing	Titanium
Hygiene	Wipe-disinfectable, disposable sheaths

Technical data	PC hardware requirements
PC type	IBM-compatible
CPU type	Pentium III, 400 MHz or higher
Operating system	Win 98 SE, ME, NT4, 2000, XP
RAM	64 MB min.
Frame grabber	Leutron PicPort Color, Sirona REF. 46 93 961 only PCI slot required
Graphics board recommendation for Dual Monitor use	Matrox Millennium G400/450 Dual Head
Other graphics boards	AGP slot required
Additional Hardware	4 MB memory min.
	CD-ROM drive 3 1/4” Floppy drive Serial interface Cable set REF. 58 82 050
Image processing software	SIDEXIS/VIDEXIS V. 5.2 or higher

Technical data	SIROCAM C intraoral camera
Image sensor	1/4” HAD CCD
Light source	6 white-light LEDs in the lens unit
Object distance	2 fixed distances Close-up (approx. 6 mm) Smile (approx. 15 mm)
Image memory	4 images 10-bit digitization integrated into camera
Weight incl. cable	approx. 150 g
Casing	ABS plastic
Hygiene	Wipe-disinfectable, disposable sheaths

Assistant’s element

Control panel extension kit – for the activation of the chair functions, bowl rinse function and tumbler refill function from the assistant’s element.

Position 1	Position 2	Position 3	Position 4
SPRAYVIT syringe, incl. hose – 3-way syringe. The handpiece sleeve and tip can be detached and sterilised. Standard syringe, incl. hose – 3-way syringe with ergonomically shaped handle. The tip can be detached and sterilised.	C8+ suction hose for U.S., complete – US version with aluminium body. C8+ suction hose, complete – with shut-off valve on the handpiece for regulation of the suction intensity. Adapter can be angled for a comfortable working position.	C8+ saliva ejector for USA, complete – US version with aluminium body. C8+ saliva ejector hose, complete – with shut-off valve on the handpiece for regulation of the suction intensity. Can be operated by the assistant or the patient.	Satelec curing light Mini L.E.D. – for mounting in an additional handpiece holder. Light output: > 800 mW/cm².

Dentist’s element

Silicone pad – provides non-slip work surface. Dimensions: 376 x 282 mm.

X-ray viewer extension kit – intraoral X-ray viewer with an evenly illuminated surface of 79 x 55 mm.

Cup holder – for mounting on the right- or left-hand side of the dentist’s element.

Removable silicone sleeves – hygienic protection for handle and keypad. Prevents cross-contamination.

Keypad, left side – additional keypad for left-handers.

Blank membrane – for use if the keypad on the left side is omitted.

Satalec curing light Mini L.E.D. – mounted at position 4 or 6 on a separate holder.

Light output: > 800 mW/cm².

Whip-arm, complete – whip-arm support for handpiece hose (standard model).

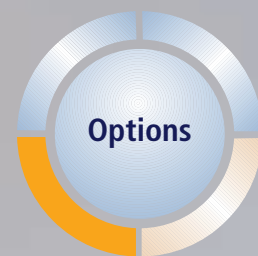
Whip-arm with additional spring – whip-arm support which enables lateral deflection of the handpiece hose.

Position 1	Position 2	Position 3	Position 4	Position 5
Standard syringe, incl. hose – 3-way syringe with ergonomically shaped handle. The tip can be detached and sterilised. SPRAYVIT syringe without light, incl. hose – economical 3-way syringe. The handpiece sleeve and tip can be detached and sterilised.	Turbine hose C8+ for Borden connector – for turbines with standard Borden connection. Turbine hose C8+ with integrated light source – for turbines with standard Midwest connection. Turbine hose C8+ for fibre-optic instruments – for turbines with standard Midwest connection. In combination with the corresponding coupling this hose is compatible with virtually all commercially available turbines. EL1 motor, incl. hose for C8+ – electric micromotor with a broad speed range (200–40,000 rpm). Constantly high torque (max. 2.9 Ncm), regulation of spray water via the handpiece. SL motor, incl. hose for C8+ – micromotor with a broad speed range (200–40,000 rpm). Constantly high torque, regulation of spray water via the handpiece. INTRAMATIC purge adapter – needed to cover the motor when performing the purge function.	Turbine hose C8+ for Borden connector – for turbines with standard Borden connection. Turbine hose C8+ with integrated light source – for turbines with standard Midwest connection. Turbine hose C8+ for fibre-optic instruments – for turbines with standard Midwest connection. In combination with the corresponding coupling this hose is compatible with virtually all commercially available turbines. ProSmile, incl. hose – air polisher handpiece for integration into the dentist’s element. Pressure range: 1.5–4.5 bars. The water and air pressure can be adjusted separately. EL1 motor, incl. hose for C8+ – electric micromotor with a broad speed range (200–40,000 rpm). Constantly high torque (max. 2.9 Ncm), regulation of spray water via the handpiece. SL motor, incl. hose for C8+ – micromotor with a broad speed range (200–40,000 rpm). Constantly high torque, regulation of spray water via the handpiece.	Turbine hose C8+ for Borden connector – for turbines with standard Borden connection. Turbine hose C8+ with integrated light source – for turbines with standard Midwest connection. Turbine hose C8+ for fibre-optic instruments – for turbines with standard Midwest connection. In combination with the corresponding coupling this hose is compatible with virtually all commercially available turbines. Satelec curing light Mini L.E.D. – for mounting in an additional handpiece holder or in position 4 or 5 of the whip-arm unit. Light output: > 800 mW/cm².	SIROSONIC with light for C8+ – for periodontal treatment, preparation of root canals and preparation of cavities. High cavitation effect and controlled oscillation characteristics. Spray regulation directly on the handpiece.

SIROCAM C – see “Video/lighting options”.

SIROCAM 3 – see “Video/lighting options”.

Tailored to your individual wishes. The modular design concept allows you to start out with a basic configuration and then upgrade the treatment centre in line with your changing requirements.



Water unit



Water unit without cuspidor bowl
 Water unit with long cuspidor bowl – for improved accessibility.
 Water heater – for supplying the handpieces and cup with warm water.
 Wet suction system – enables connection to wet suction systems.
 Automatic separator – enables connection to dry suction systems.
 Disinfection system – for the continuous supply of disinfected water to the handpieces and tumbler. Plus sanitisation of the water channels (only in combination with a cuspidor bowl).

The following extension kits are available:

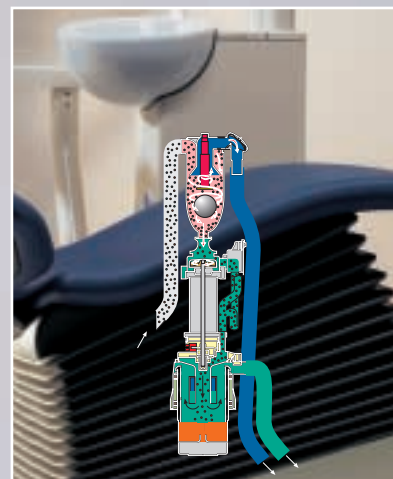
Amalgam separator – for amalgam separation in accordance with DIN EN ISO 11143. The system is maintenance-free apart from the replacement of the rotor (whenever indicated or at least once a year).
 Fresh-water bottle – for the independent supply of fresh water to the treatment centre. Possibility of switching back to the mains water supply.
 Purge function – for the automatic rinsing of all handpieces with water.



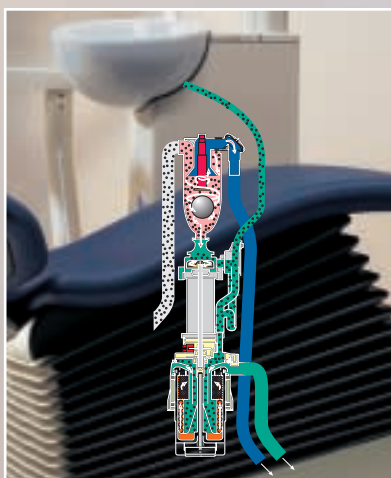
Wet suction system



Automatic separator



Amalgam separator



Fresh-water bottle



Sirona – creating and maintaining value.

Treatment centres
Handpieces
Hygiene systems
X-ray systems
CEREC

Logical. You are right to expect a great deal from the world's only full-range supplier of dental equipment – in particular, an extensive product portfolio, first class service, outstanding quality and tremendous value for money. Sirona covers the entire dental equipment spectrum: treatment centres, handpieces, X-ray systems, hygiene systems, imaging systems and – last but not least – CEREC ceramic restoration systems. Building products that stand the test of time, Sirona is the professional partner for the dental profession.

Treatment centres



Patient communication



X-ray systems



CEREC



Handpieces



Hygiene systems



Your dental equipment dealer:

Sirona Dental Systems GmbH
Fabrikstrasse 31 · D-64625 Bensheim
E-mail: contact@sirona.com
www.sirona.com

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