



Treatment centres

**C2<sup>+</sup>** – Setting new standards in ergonomics and design.



The Dental Company

**sirona.**

> **C2+** – I've finally found a dental practice where I feel at home. Congratulations on your new set-up. <





Swivelling cuspidor  
for easy and  
convenient rinsing

SIVISION system  
integrates all the various  
imaging functions  
directly at the chairside

ErgoMotion function for  
optimum patient positioning

Track-mounted assistant's  
element is always within easy  
reaching distance

Motor-adjustable headrest,  
including control switches for  
all the chair functions

Intuitive C<sup>+</sup> foot control  
offers the choice of manual  
and hands-free operation

Motor-driven,  
programmable  
track mounting

Some of the illustrations contained in this brochure depict product options.

> By choosing the C2<sup>+</sup> treatment centre  
I've opted for an innovative control  
concept. This enables me to set  
new standards in my practice. <



The C2<sup>+</sup> is the ideal choice for all users who attach top  
priority to ergonomics and design. The innovative and  
user-friendly control concept ensures optimum hygiene, as  
well as highly efficient workflows. To find out more, read on!

#### Sophisticated and convenient.

The trapezoid support arm system and sleek  
lines set the C2<sup>+</sup> apart from competing treat-  
ment centres. The innovative control panel  
underlines the modern design of the C2<sup>+</sup> and  
opens up new dimensions in user-friendliness.  
The integration of CEREC and SIVISION is your  
passport to an optimum workflow and conve-  
nience. Progress wherever you look!

#### Ergonomically perfect.

You and your assistant have easy access to  
the patient at all times. This is the outcome of  
several smart design features – for example,  
the track-mounted dentist's and assistant's  
elements (the former is motor-driven!). The  
synchronized movement of the seat cushion  
and backrest (ErgoMotion function) and the  
programmable motor-driven headrest  
guarantee ideal patient positioning.

#### Hygienic and safe

C2<sup>+</sup> sets new standards in hygiene control.  
Depending on your personal preferences, all  
the instruments and chair functions can be  
controlled at the touch of a button or  
"hands-free" via the multifunctional foot  
control. The water channels are permanently  
disinfected throughout the treatment  
process. The sanitation device performs a  
thorough disinfection of the hoses and  
instruments when required.

## C2+ – Familiar and tested functions for reliable and effective treatment.

*Place your trust in a winning concept!*

From the control panel to the foot switch – the C2+ is based on the time-tested M1 treatment centre. You'll feel at home with the C2+ right away. All the chair and instrument functions will be immediately familiar. The same applies to the self-explanatory control key symbols. In other words, you won't have to readjust or relearn. Instead you'll be able to concentrate fully on treating your patients. This saves time and builds confidence.

All the switch functions will be immediately familiar: Moving the dentist's element forwards or backwards, activating the spray and chip blower or regulating the handpiece functions.

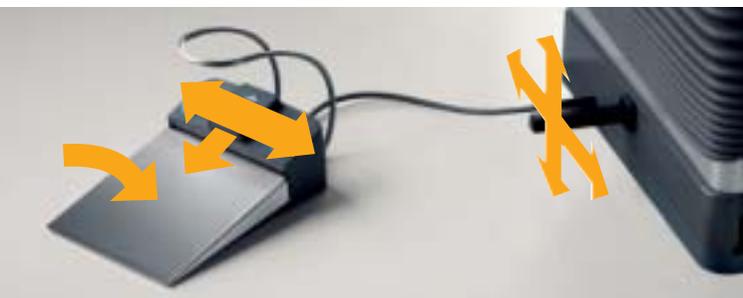


### Handpiece keys

To adjust the handpiece parameters. Clockwise/counterclockwise rotation, light on/off, spray and chip blower can be selected for each individual instrument.

### Chair program keys

To activate/save the chair programs. Press the "S" key briefly and the treatment chair moves to the rinse position. Press "S" once again and the chair returns to its original position. The chair programs can be selected and saved individually for two different users.



Four-way foot switch: Accessible to dentist and assistant alike, the four-way foot switch controls the chair functions. Adjusting the chair height and backrest inclination is child's play.

### Quick adjustment keys

To adjust the handpiece speed/intensity presets. Intermediate values can be set by keeping the relevant key pressed down.

### Additional function keys

For additional chair functions – e.g. X-ray viewer, bowl rinse and operating light. The light intensity can be reduced at the touch of a button, e.g. for composite applications.

*Hands-free operation!*

Even if you prefer to operate the treatment centre using the control buttons, there are always situations where you need to use both hands – for example, during surgical procedures or when inserting implants. For this reason the C2+ allows you to operate all the hand-

piece and chair functions via the multi-functional foot control. This fosters an ergonomic and efficient mode of working.



**S key**  
Selection of the rinse position/  
last-position memory

**Spray**  
Activation/deactivation  
of the spray function

**Cursor rocker switch**  
Control of the cursor functions

- ▲ cursor moves up
- ▼ cursor moves down
- ◀ cursor moves to the left
- ▶ cursor moves to the right

**Foot control**  
When handpiece is parked:  
motor-driven positioning of the dentist's element.  
When handpiece has been picked up:  
activation of the handpiece.

**Chip blower**  
Activation/deactivation  
of the chip blower

**O key**  
Selection of the  
entry/exit position

# C2+ – The treatment centre that “thinks ahead”.

C2+ – Perfect ergonomics

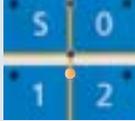
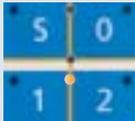
## Innovative user interface.

The innovative user interface of the C2+ permits the hands-free operation of all the handpieces and chair functions. The LED indicates which function block is currently active.

The C2+ thinks ahead and anticipates your next move. For example, when you pick up a handpiece the cursor jumps automatically to the instrument functions – and as soon as you replace the handpiece the cursor jumps back to the

chair functions. With the help of the cursor rocker switch on the foot control you can activate the suggested functions – intuitively and hands-free.



Step	Action	Control panel	Reaction of the treatment centre
1. Adjust headrest	 <p>Move the cursor rocker to the left or right</p>	 <p>At the start of the treatment session the cursor is located between the headrest adjustment keys.</p>	The motor-driven headrest extends or retracts.
2. Move to examination position	 <p>Press the foot control</p>		The dentist's element moves towards the operator as long as the pedal is kept pressed. The cursor then jumps to a position between chair program 1 and 2 (upper jaw/lower jaw).
3. Select treatment position	 <p>Move the cursor rocker to the left or right</p>		The patient's chair, dentist's element and headrest move automatically to the chosen treatment position (upper jaw/lower jaw).
4. Perform treatment	 <p>Pick up a handpiece</p>		With the foot control and the cursor rocker switch the dentist can adjust the speed as well as the intensity of the handpieces.
5. Rinse position	 <p>Replace the handpiece. Press the S key</p>		The treatment unit moves to the chosen position.
6. End treatment session	 <p>Press the O key on the foot control to swing the dentist's element outwards</p>	 <p>At the end of the treatment session the cursor returns to its original position between the headrest adjustment keys.</p>	The patient's chair moves to the exit position. The treatment centre is ready to receive the next patient.

## C2+ – A unique blend of comfort and ergonomics: the motor-driven track mounting.

### *Unrivalled ingenuity!*

A unique feature of the Sirona treatment centres is the motor-driven track mounting for the dentist's element. In the case of the C2+ it can be moved to the desired

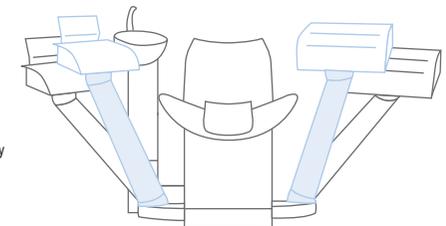
position simply by actuating the foot control. When programming the chair position for maxillary and mandibular treatment you can save the position of the dentist element's as well. The dentist's

element then always moves to this ergonomically ideal position. At the end of the treatment session the dentist's element and the patient's chair return to the exit position.



### *Infinitely adjustable!*

New: the assistant's element is also mounted on a sliding track and is easily accessible, regardless of whether the patient is in the upright or reclining position. The inclination of the double-jointed support arm is infinitely adjustable. This ensures an optimum operating radius.



The position of the support arm can be adjusted flexibly in line with your changing requirements. This means that you can adopt an ergonomically optimum position every time.

## C2+ – Perfect ergonomics: the ideal interplay between operator and treatment centre.



### Pure relaxation for patients!

Not only the dentist and the assistant benefit from the convincing ergonomic benefits of the C2+. The treatment chair moulds itself to the patient's anatomy, thus contributing to a sense of well-being and security. The chair offers excellent comfort even during prolonged treatment sessions. The Sirona-ErgoMotion function prevents any compression or overstretching of the patient's back when the chair is repositioned. In short, the C2+ takes full account of the "feel-good" factor – an important concern in modern dentistry.

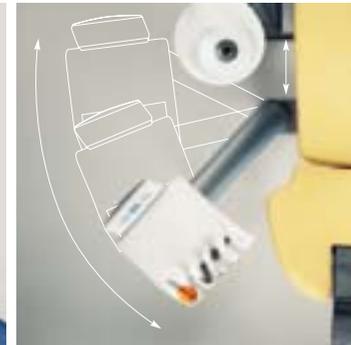
### Relaxed practice team!

Access to the patient is decisive for total treatment comfort. A healthy posture enables the dental team to stay fit in order to achieve peak performance levels longer and concentrate better. The prerequisites for achieving this are an upright sitting position, ergonomic movement possibilities, and ample legroom.

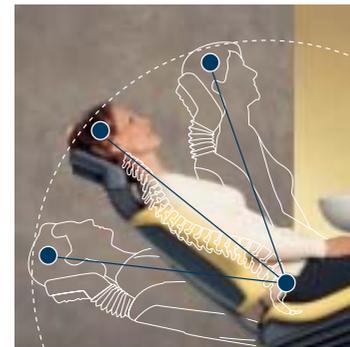
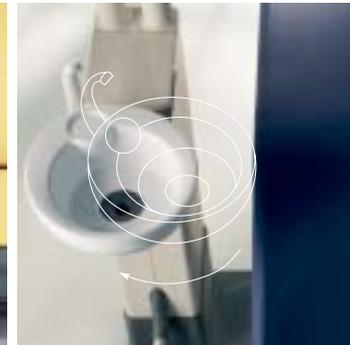
The patient chair and headrest are adjusted with two recessed 4-way switches. The continuous, motor-driven headrest adjustment function ensures excellent access to the patient's head. The headrest tilt is programmable.



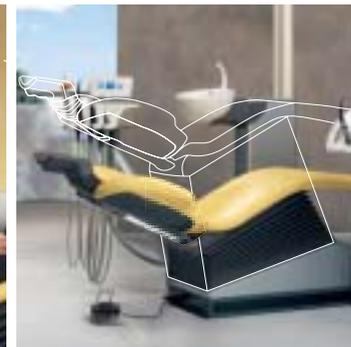
The height adjustable swivelling assistant's element with the manual tracking rail system ensures optimal reaching distances when working with seated or recumbent patients. Equipped with 4 instrument holders and a large surface tray, this unit provides support for the complete dental team.



The swivelling cuspidor with automatic return function enables the patient to rinse his or her mouth comfortably. This feature is especially advantageous for children and elderly patients.



The synchronised movements of the backrest and the seat cushion (ErgoMotion) ensure that the patient doesn't feel stretched or squashed when the chair is repositioned. Since the patient's head always remains in the same position, it's not necessary to readjust the headrest.

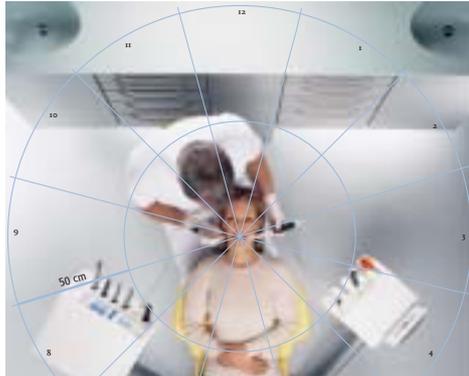


The extremely low position of the chair (400 mm) facilitates the treatment of sitting patients and is advantageous to small assistants.



The flat-shaped ergonomic backrest – which comes in a narrow and in a broad version – increases the patient's freedom of movement and legroom.

## C2+ – Ground-breaking integration of design, technology and communication.



### Everything revolves around the patient!

The central point of dental treatment is the patient's mouth. It's only logical that the most frequently used instruments and materials should all be arranged within easy reach of this central point. This ensures that both dentist and assistant work efficiently and maintain a healthy posture. The same applies when the dentist works alone.

### Everything within easy reach!

If you extend your arm fully and turn your body 360° about its own axis, this defines your maximum anatomical area of reach. Its boundary lies roughly 50 cm away from your body axis in any direction. And that is the ideal reach the geometry of the C2+ is based on. This enables the dentist and the dental assistant to reach everything they need while maintaining a healthy working posture – quickly and effortlessly. The C2+ provides ample movement space for every treatment situation and all individual requirements.

### Optimum interplay!

A continuous and harmonious workflow depends on the optimum interplay between operator and treatment centre. A key factor in avoiding strain and fatigue is to adopt an erect and relaxed treatment position. The C2+ fulfils these criteria and promotes peak performance and concentration.



### Good looking!

The sleek modern lines of the C2+ treatment centre contribute to a pleasant and relaxed atmosphere in your dental practice.

The characteristic design features are augmented by a finely tuned selection of 13 upholstery colours and 12 paintwork colours. This ensures that the C2+ blends in seamlessly with the decor of your treatment room.



Upholstery colours



Paint colours

## C2+ – More effective counselling through patient communication.

*Chairside patient communication!*  
Communication with patients is playing an increasingly important role in modern dental practice. In-depth counselling on

the basis of digital images is a sure-fire way to boost patient confidence. Ideally, counselling should take place directly at the chairside as an integral part of the

treatment process. The benefits are three-fold: enhanced patient loyalty; plus increased efficiency and practice earnings.

### SIROCAM 3 – One of the best cameras on the market

- Titanium housing
- High-resolution 4-image memory
- Three focal ranges for a complete spectrum of applications
- Excellent illumination thanks to seven white light LEDs
- Sophisticated lens design for an excellent depth of field



Close-up



Single tooth



Quadrant



Smile line



Full face

### SIROCAM C – The competitively priced alternative

- Plastic housing
- 4-image memory
- 2 focal ranges (perfect for patient counselling and education)
- Uniform illumination thanks to six white light LEDs

### *Flexible integration!*

You can assemble your own tailor-made patient communication system from the following components:

- Two different cameras: SIROCAM 3 or SIROCAM C
- Three different camera positions: integrated into the dentist's element, attached to a separate holder, or mounted directly adjacent to the monitor
- Two different medically approved monitors: either 15" or 19", each with a protective glass shield
- Three different support arm systems: mounted on the light support column, the tray or the SIVISION support arm

### Reap the benefits of video imaging

- Live camera images
- Live and freeze frame images at full screen size
- Saving of freeze frames to the 4-image memory via the foot control of the treatment centre
- Quad mode for a quick overview



## C2+ – The treatment centre as the hub of your computerized dental practice.

C2+ – Sophisticated integration options

### *Perfect connection to the practice network!*

An average dentist spends three quarters of his or her total time next to the treatment chair. Hence the treatment centre is the focal point of the dental practice. Digital applications play a key role in streamlining the practice workflow.

Mounted directly on the treatment centre and linked to the practice computer network, the SIVISION monitor provides instant access to patient data, intraoral camera images, X-ray images, plus other digital media.

### *Logical upgrades!*

SIDEXIS XG is the next logical step on the way to a fully computerized dental practice. This multifunctional package ties together all the various imaging functions

(i.e. intraoral/panoramic/cephalometric X-ray, plus intraoral camera). SIDEXIS XG helps you integrate digital radiography into your practice workflow – in line with your specific requirements.

### *CEREC – Perfect integrated!*

CEREC Chairline is the ideal combination of the cost effectiveness and clinical advantages of CEREC with the proven comfort and ergonomic features of Sirona treatment centres. Achieve an optimum in workflow efficiency in your practice by integrating ceramic restorations into your treatment centre.

### A computerized dental practice puts the following functions at your fingertips:

- Practice management software
- Digital panoramic X-ray
- Digital intraoral X-ray
- Intraoral camera
- Ceramic restorations (CEREC)
- Additional applications



### **Perfect networking!**

The benefits in brief: optimum efficiency, streamlined workflow, greater patient involvement.

More information in our special brochure "SIVISION – Chairside modular system integration".

# C2+ – Hygiene concept safeguards your patients and practice team.

*Safety first!*  
The C2+ also sets new standards in terms of infection control. The hands-free control concept allows you to operate all the key functions – e.g. chair settings, headrest, instrument parameters – via the user-friendly foot control. In addition, all the hygiene-critical components are protected against contamination and/or are very easy to clean.



C2+ allows you to operate all the handpiece and chair functions via the multifunctional foot control. Safety first!



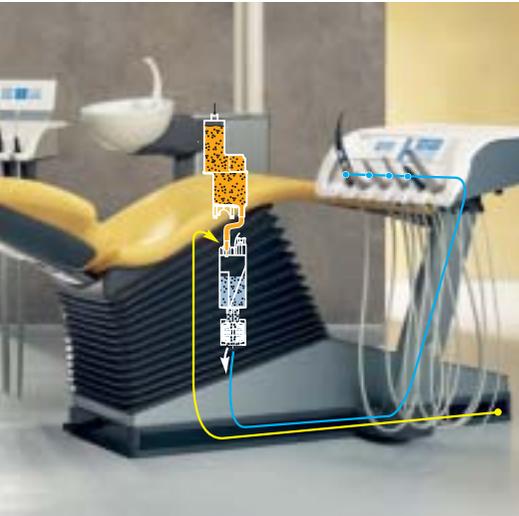
The antistatic bellows protect the treatment centre components and are easy to clean.



The disinfectant is simply poured directly into the water unit.



Critical components like the instrument holder or light handles can be removed and disinfected.



Integrated disinfection system for continuous disinfection of the instrument spray and mouth rinsing water and sanitation of all media pipes and hoses.



With the practical sanitation device, sanitation is as easy as pushing a button.

## C2+ – Proven concept with a wide range of options.

C2+ – Tried-and-tested options



**X-ray image viewer**  
For viewing conventional X-ray (film) images, optionally mounted on the tray, on the lamp support tube, or on the dentist element.



Dentist element

Position 1	Position 2	Position 3	Position 4	Position 5	Position 6	Extra holder
SPRAYVIT	Electric motor or highspeed handpiece	Electric motor or highspeed handpiece	Electric motor or highspeed handpiece	SIROSONIC L or highspeed handpiece or Mini L.E.D. curing light	SIROSONIC L* or HF surgical unit SIROTOM** or Satelec Mini L.E.D. curing light or camera	Camera

**Other options:** Y-ray image viewer, physiological saline solution

\* If Position 5 is occupied by a highspeed handpiece  
\*\* Not possible if position 5 is occupied by a turbine

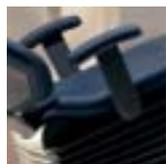


**Saline solution**  
For safe surgical interventions: The bottle holder and pump can be mounted directly on the dentist's element.



Assistant element

Position 1	Position 2	Position 3	Position 4
Satelec Mini L.E.D. curing light or surgical aspiration	SPRAYVIT	Aspirator	Saliva ejector



**Armrests**  
These folding armrests can optionally be mounted on the left and/or right side. Elderly patients especially feel safer and more secure.



Chair

- Choice of broad or narrow backrest
- Swivelling armrest
- Valve set for supplying external devices
- Children's booster cushion
- Children's headrest upholstery for optimal positioning of children
- Dentist chair
- Conversion kit for extending seat height of dentist work-stool
- Adapter plate for installation on existing M1 connection field



**Children's booster seat cushion and headrest upholstery set**  
For the ergonomic and comfortable treatment of children: both the booster seat cushion and the headrest upholstery can be used individually depending on the patient's height.



Water unit

- Choice of wet or dry suction system
- X-ray image viewer mounted on tray for panoramic exposures (not in connection with SIVISION mounted on the tray or on the lamp)
- Tray system with clip-on tray and handle (standard for SIVISION mounted on tray)
- Tray system with clip-on tray
- Tray system with permanently attached tray and medicament inserts
- X-ray box with intraoral X-ray sensor



**Valve set**  
For connecting external devices directly to the treatment centre. Includes an air and a water valve.



Patient communication/unit lamp

- Flat LCD screen on the light support arm, on the tray or on the SIVISION adjustable arm
- SIROCAM 3 or SIROCAM C camera in the dentist's element or additional holder or on the monitor
- Flat LCD-Screen 15" or 19"
- CEREC Chairline
- SIROLUX F lamp as integrated unit or ceiling-mounted model

**Working-stool**  
With anatomically shaped seat. Backrest lockable or movable for dynamic seating position.



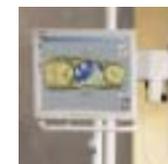
**Patient communication system**  
Flexible system offering optional integration of a SIROCAM 3 or SIROCAM C camera for effective patient counselling.



**X-ray box with intraoral X-ray sensor**  
Saves time by allowing X-ray exposures to be viewed directly from the treatment centre. Within seconds the image is displayed directly on the monitor, thus enabling immediate diagnosis.



**CEREC Chairline**  
The integration of CEREC Chairline into the treatment center sets a new standard in workflow and ergonomics.



*Timeless design:* Choose from 13 upholstery colours and 12 paint colours.



Upholstery colours



Paint colours

More information in our special brochure: "SIVISION – Chairside modular system integration".

# Sirona – Creating and maintaining value.

Treatment centers
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.

Dealer's stamp:



Treatment centers

Patient communication

X-ray systems

CEREC

Handpieces

Hygiene systems

Sirona Dental Systems GmbH  
Fabrikstrasse 31 · D-64625 Bensheim  
E-mail: [contact@sirona.de](mailto:contact@sirona.de)  
[www.sirona.com](http://www.sirona.com)

Subject to technical changes and errors in the text, Order No. A91100-M41-A704-01-7600, Printed in Germany, Dispo.-Nr. 04601, 2013C9074 WS 0405X.