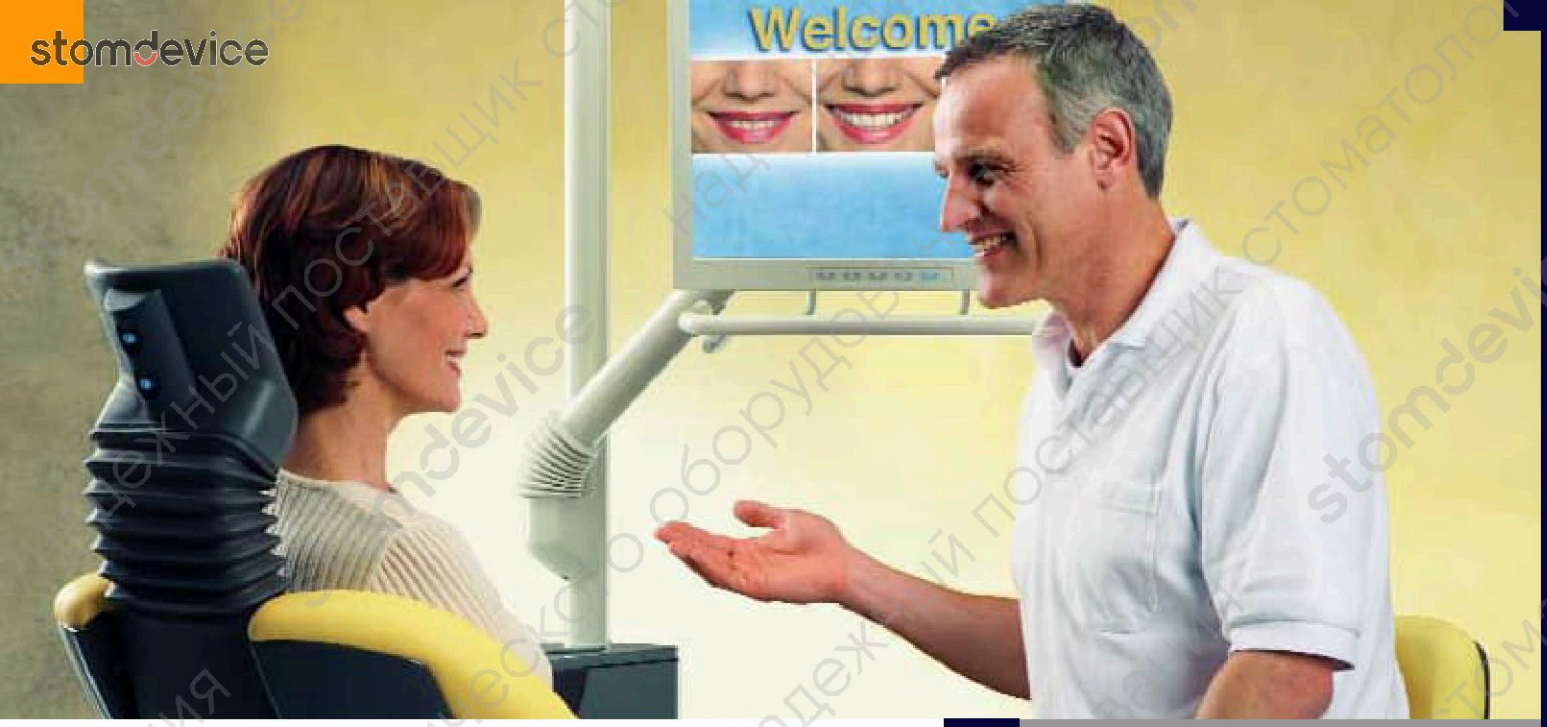
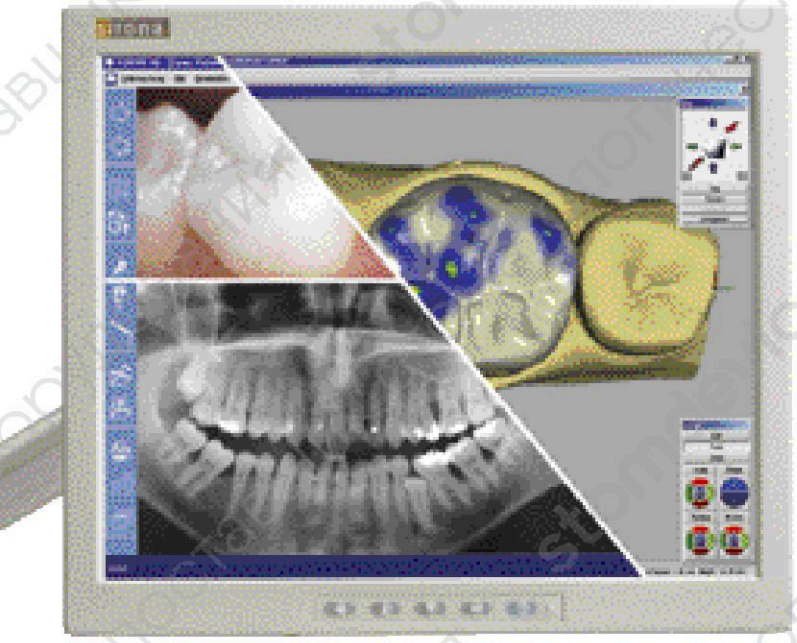
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Treatment centres

SIVISION – Chairside modular system integration.



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> My patients are very important to me. That's why I like to involve them actively in diagnosis and therapy. <



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SIVISION – Flexible integration, efficient patient counselling.

Chairside patient communication.

Communication with patients is playing an increasingly important role in the 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 –

Leading the way to enhanced patient communication.

Give your patients the opportunity to understand the proposed course of treatment. With the help of the SIROCAM 3 or SIROCAM C cameras you can visualize the current dental status, thus making patients more aware of any problem and motivating them to embark on dental treatment at the earliest possible stage.

Networking –

Moving towards the fully computerized dental practice.

It makes sense to invest in areas where time is at a premium. To work efficiently you need all the necessary information directly at the treatment chair – i.e. the place where you spend most of your working time. The SIVISION patient communication system gives you instant and easy access to the combined "knowledge" of your dental practice.

CEREC Chairline –

Reaping the benefits of system integration.

CEREC Chairline unites the clear clinical and economic advantages of CEREC with the convincing comfort and ergonomic features of the Sirona treatment centres. This is your chance to further optimize efficiency and workflow by integrating CEREC ceramic restoration capabilities into your central workplace.

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SIROCAM – Leading the way to enhanced patient communication.

Simple and uncomplicated!

In Sirona's view an ergonomically designed intraoral camera should be an integral part of any dental treatment centre. You can choose between the SIROCAM 3 and the SIROCAM C. And regardless of which model you choose, the camera can be mounted in such a way that it's always within easy reach. As soon as you pick up the camera it is automatically activated – just like a conventional handpiece. A control concept that offers persuasive user benefits.

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



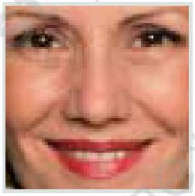
Single tooth



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



The choice is yours!

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

- Two different cameras: SIROCAM 3 or SIROCAM C
- Four different camera positions: integrated into the dentist or assistant'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
- Quad mode for a quick overview

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SIROCAM

Networking

CEREC Chairline

The Dental Company sirona

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SIVISION – perfect ergonomics

- The new SIVISION swivelling support arm combines the advantages of the previous options (i.e. on the tray or on the light support column)
- Flexible positioning in every situation
- Choice of a 15" or a 19" monitor

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SIVISION – Step by step to success.

Optimum vision at all times.

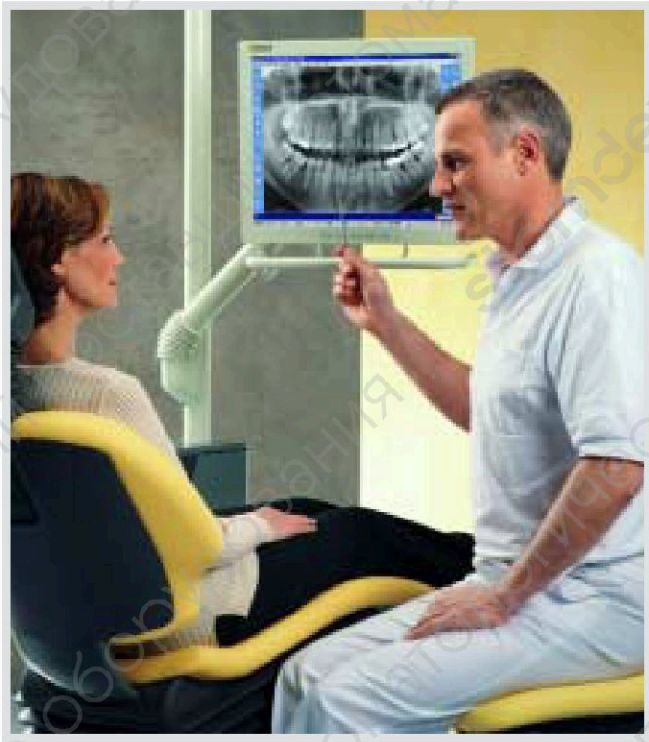
SIVISION can be used effectively to aid treatment in numerous situations. The chief benefit is that it allows you to actively involve patients in diagnosis and treatment. Depending on the specific treatment procedure, you can precisely access the application you require. This necessitates absolute flexibility with regard to monitor positioning.

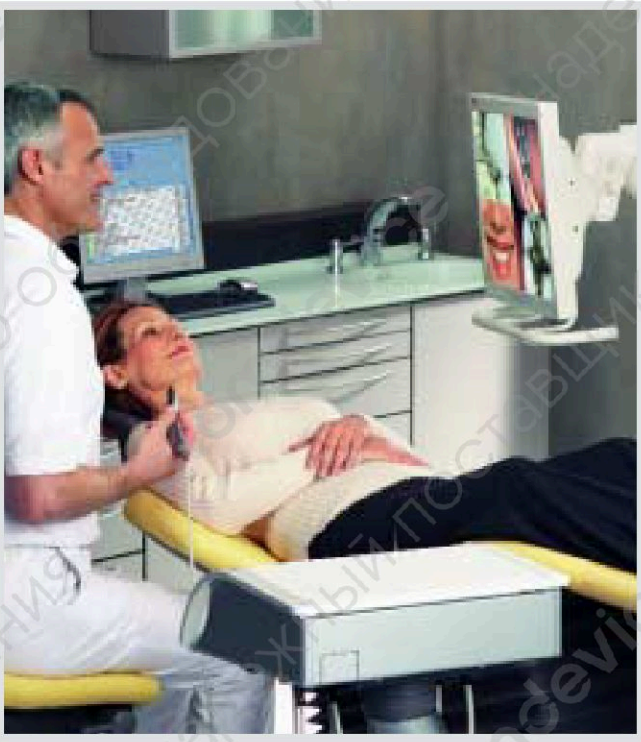
Expert counselling.

With the help of current and archived images you can describe pathological processes to the patient and underscore the necessity of a particular course of treatment. Ideally, the monitor should be positioned at eye level so that you can maintain direct contact with the patient. This reinforces trust and means that the planned treatment procedures are much clearer and more understandable.

Ergonomic treatment.

The SIROCAM camera is the ideal tool for establishing the initial status and documenting subsequent treatment steps. Thanks to the new SIVISION swivelling support arm you have an excellent view of the monitor at all times. The superior ergonomic features of SIVISION facilitate the easy deployment of the intraoral camera. Above all, you can adopt a relaxed and comfortable treatment posture.





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SIVISION – Networking made easy.

SIVISION actively supports computer networking!

All the main camera functions are identical, regardless of whether you've selected the video mode or the PC mode. You're now in a position to save and retrieve intraoral camera images whenever needed. What's more you'll also be able to run future software applications as and when these become available. Last but not least, a SIVISION-equipped treatment centre can be hooked up to a PC at any time, without the need for complex conversion work.

SIUCOM –
Software for integration!

With the help of the user-friendly SIUCOM software you can activate the PC applications directly from the treatment centre. The main functions are already pre-configured – so all you need to do is hit the corresponding button on the panel or press the foot control. The range of programmable functions is virtually unlimited.

Intelligent and comfortable!

The smart SIUCOM system detects when the camera is picked up and switches automatically to the live camera image. SIUCOM has been designed in such a way that the tried-and-tested user interface is retained in the PC mode. Operating the software couldn't be easier.



Operation via the foot control

Creating and saving freeze-frame images via the foot control is just as easy and convenient as in the "conventional" video mode. The foot control is the ideal solution if you need to produce a large number of images in order to document the patient's initial status and/or to record successive therapy steps.



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VIDEXIS XG –
Image processing software!

VIDEXIS XG enables you to save an unlimited number of images from your intraoral camera in your patient database. The software supports a wide range of editing functions – for example:

- Magnification
- Enlargement/reduction
- Rotation
- Brightness, contrast, color
- Videos

Operation via the dentist's element

To change between the video and PC mode the user simply presses the corresponding key on the treatment centre control panel. The key commands can be flexibly assigned via SIUCOM. The M1+ treatment centre boasts a separate SIVISION control console for the central PC and video functions.

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SIVISION – Making the treatment centre the hub of your computerized dental practice.

Direct 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. This all-in-one system also speeds up the treatment documentation process.

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

If you already deploy the Sirona VIDEXIS software for documentation purposes, you can easily upgrade to SIDEXIS XG. As both systems use the same database you can continue to access your archived images.

A convincing solution from a single source.



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

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

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CEREC Chairline – Reaping the benefits of system integration.

Progress in ceramic restorations!

CEREC is the ideal solution for the in-house fabrication of all-ceramic inlays, onlays, veneers, partial and full crowns. The 3D software enables you to quickly and easily design and mill ceramic restorations with the utmost precision. Your patients will be delighted with the end result.

More efficient!

CEREC Chairline unites the cost-effectiveness and clinical benefits of the CEREC 3D system with the comfort and ergonomics of Sirona treatment centres.
These proven user friendly features and the superior ergonomics of CEREC Chairline support the dentist and the assistant to offer an effective CEREC treatment and to avoid both fatigue and stress.

More ergonomic!

CEREC Chairline naturally incorporates the SIVISION patient communication system and therefore offers all the advantages of communication and networking. The 19-inch monitor is mounted on a flexible support arm attached to the light support column. This makes it easy to create the optical impression, regardless of whether the patient is in an upright or reclining position. The CEREC Chairline module and the 3D camera are mounted ergonomically within easy reach, next to the monitor.

More space!

CEREC Chairline creates extra space in the treatment room. All connecting cables are integrated into the unit, thus eliminating the risk of patients and staff tripping over them. From the patient's viewpoint no additional items of equipment are visible. The integration of the CEREC imaging unit underlines the innovation and technical sophistication of Sirona treatment centres.

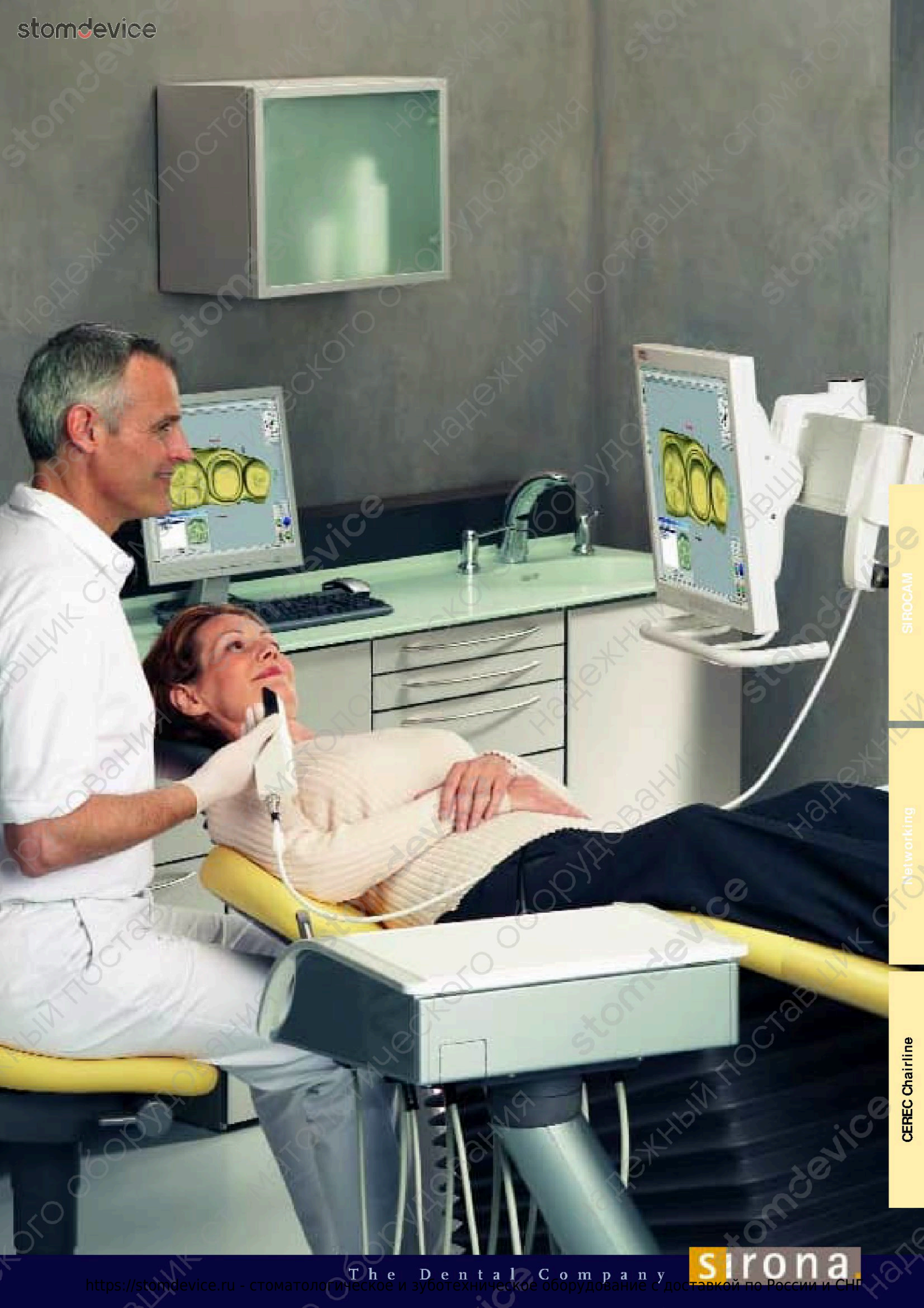


CEREC Chairline advantages:

- Optimum workflow
- Superior ergonomics
- User friendly
- High quality environment
- Saves space

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SIROCAM

Networking

CEREC Chairline

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CEREC Chairline – Optimum workflow and superior ergonomics.

Enhanced efficiency!

It is no longer necessary to wheel up the CEREC imaging unit in the course of the treatment session. Instead, the assistant can prepare and activate the CEREC system on the PC behind the chair before treatment commences. The dentist's element remains in its normal position. This reduces the number of tasks that the dentist has to perform, saves time and you are free to concentrate fully on the treatment process.

Superior ergonomics!

A continuous and harmonious workflow depends on the optimum interplay between operator and treatment centre. A healthy posture enables the dental team to stay fit in order to achieve peak performance levels longer and concentrate better.



Your're in control!

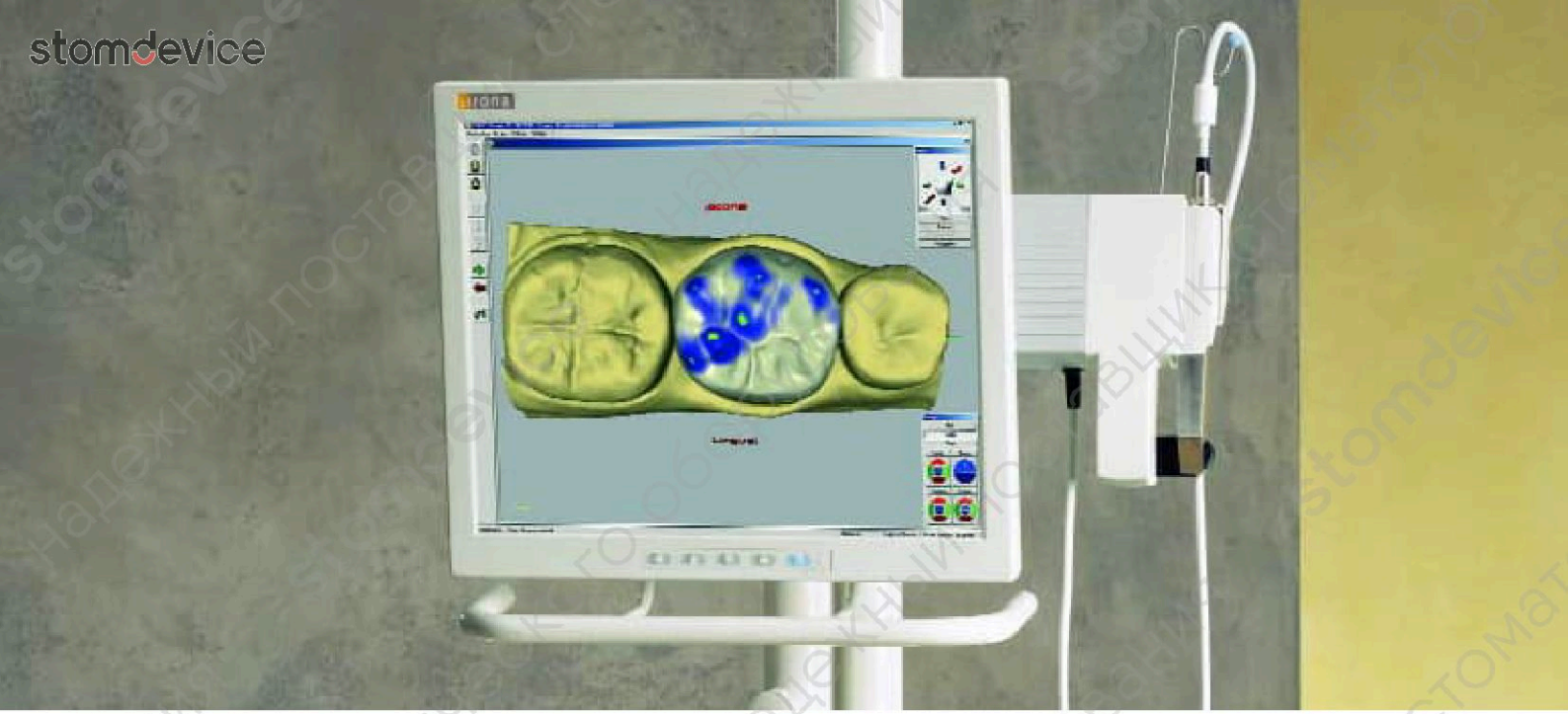
The 3D camera is always within easy reach. The image acquisition can be comfortably performed in a normal treatment position through the foot control of the treatment centre.

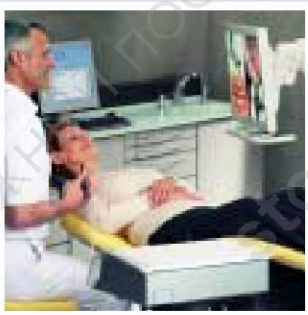
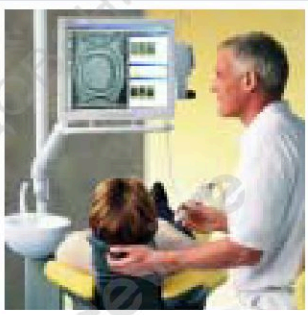
Superior vision!

The optimum integration of the camera and monitor ensures a healthy working posture. With CEREC Chairline the monitor is positioned in such a way that it can be viewed comfortably by both the dentist and the patient.

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Step	Action	
Commence treatment	Using your practice software to refresh your patient knowledge status you are now totally prepared to advise the patient of the next treatment steps.	
Start CEREC procedure	Simply determine the CEREC design mode and the specific tooth that is to be restored. Now you are in the start position.	
Optical impression	Take the optical impression in the usual fashion with the 3D measuring camera. This can be easily activated "hands free" by pressing or raising the bar on the foot control.	
Design	Then, with the help of the cable free trackball you can design the restoration chairside directly at the treatment centre so that the patient can also view and follow the process on the monitor. The restoration is immediately milled in the practice and then adhesively bonded. Now you can display the aesthetic final result to your patient using the SIROCAM camera. The simple way to full ceramic restorations!	

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CEREC Chairline – Simple treatment steps, satisfied patients

Unlimited access to all applications.

CEREC Chairline has all the functionality of SIVISION. In other words, you can take intraoral camera images, and access SIDEXIS or third-party software (e.g. practice management software) via the treatment centre monitor and via the practice PC.

Readily compatible!

New orders for the C2⁺ or M1⁺ treatment centres can be preconfigured with an integration kit to allow CEREC Chairline to be installed at a later date. CEREC Chairline is compatible to all systems independent of the practice operating system and management software.

CEREC Chairline consists of two components:

CEREC Chairline module

- CEREC 3D measuring camera
- integrated 3D image acquisition electronics
- special CEREC Chairline PC with dual monitor function and MS Windows XP
- CEREC 3D software pre-installed
- PC switch box for changing between the CEREC PC and the practice PC

CEREC Chairline integration package for C2⁺/M1⁺

- SIVISION on swivelling support arm with 19"monitor
- Connection for SIROCAM 3
- Mounting for the CEREC 3D measuring camera
- Dual-function foot control for the treatment centre and CEREC 3D



CEREC 3 milling

The CEREC 3 milling unit is additionally required for CEREC Chairline. It can be located to meet the dentist's individual requirements – in the treatment room (direct access), in a cupboard (reduced noise) or in the waiting room (fascinating eye-catcher).

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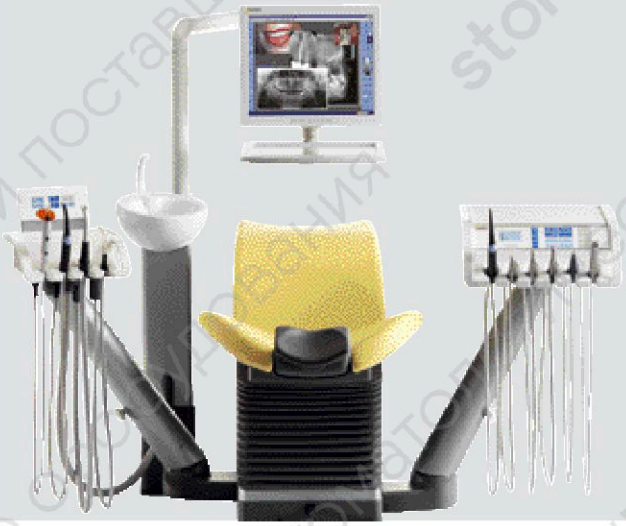
SIVISION mode

In this mode different programs can be displayed simultaneously on each monitor. All the necessary tasks can be performed on the practice PC and, if and when required, shown to the patient on the treatment centre monitor.

Dual head mode:

In this mode each monitor operates independently and can display different programs. The active window can be switched from one monitor to the other by pressing a key on the PC located behind the patient's head. The same applies when the user wants to change between the dual head and clone mode.







CEREC mode

In this mode an identical image is displayed on each monitor. This allows the patient to watch the design process "live" even if the dentist is working on the rear-mounted PC. If there is something that the patient shouldn't be allowed to see, you can activate the black screen mode under SIVISION.

Clone mode:

The same image is displayed on each monitor. This makes sense when you want to involve the patient in the treatment process. The clone mode is the original setting for CEREC Chairline.





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SIVISION – Everything you need for perfect communication with patients.





Screen diagonal	19“ monitor	15“ monitor
Resolution	SXGA 1280 x 1024	XGA 1024 x 768
Contrast	350 : 1	300 : 1
Image properties	60-75 Hz 8 bit grey scale 16.7 million colours	60-75 Hz 8 bit grey scale 16.7 million colours
Pixel pitch	0.294 mm x 0.294 mm	0.297 mm x 0.297 mm
Video inputs	S-Video (full screen) / VGA	S-Video (full screen) / VGA
Viewing angle horizontal/vertical	80° / 80 °	85° / 85°
Loudspeakers	Yes	No

Both monitors are tailored to the specific requirements of dentistry and are certified medical products.

- Wide viewing angle ensures optimum visibility for patient and dentist.
- Protective glass screen (wipe-disinfectable) for perfect infection control.
- Hybrid monitors are designed for convenient switching (video and PC mode) via the panel on the dentist's element.
- White-screen and black-screen functions are available in the video and the PC mode.

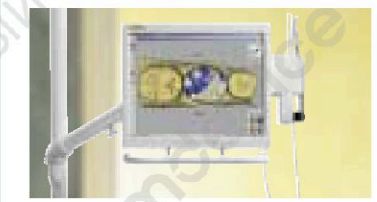
Recommandation!

- The 19" monitor is ideal for networked PC configurations and for displaying intraoral images generated under VIDEXIS XG or SIDEXIS XG.
- The 19" monitor should always be deployed in combination with the SIROCAM 3 camera in order to exploit the full potential of the video mode.
- It is recommended to use only the PC connection with SIROCAM C in combination with the 19” monitor.









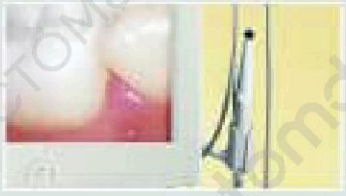
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Technical data	SIROCAM 3	SIROCAM C
Sensor chip	1/3" CCD	1/4" CCD, HAD
Focal range	2 mm and higher	5-15 mm, > 15 mm
Focus adjustment	Slider switch, 3 positions	Push-button, 2 positions
Light source	7 LEDs	6 LEDs
Weight of handpiece	130 g	80 g
Material	Titanium	ABS

Protective hygiene sleeves are available for both cameras.

SIVISION 3 for camera on the monitor (Compact)

Compact video system for displaying frames of the SIROCAM 3 or SIROCAM C intraoral camera directly at the treatment centre. The camera is operated using an additional control in the rear skirting on the patient chair.

Configuration	Camera options	Camera position	Screen diagonal	M1+	C2+	C3+	C4+	C5+	C5+ *Turn*	C8+	C8+ *Turn*	ProFeel+
SIVISION 3 on tray	SIROCAM 3 / SIROCAM C	Dentist's element	15" or 19"	■	■		○					
		Additional holder on dentist's element	15" or 19"	■	■		○					
		Assistant's element	15" or 19"				○					
		Compact	15"	○	○		○					
	2nd monitor, without camera											
SIVISION 3 on light support	SIROCAM 3 / SIROCAM C	Dentist's element	15" or 19"	■	■	○	○	○	○	○	○	○
		Additional holder on dentist's element	15" or 19"	■	■		○	○	○			
		Assistant's element	15" or 19"			○	○	○				
		Compact	15"	○	○	○	○	○		○		○
	2nd monitor, without camera			■*	■*	○	○	○	○	○	○	○
SIVISION 3 on swivelling support	SIROCAM 3 / SIROCAM C	Dentist's element	15" or 19"	■	■							
		Additional holder on dentist's element	15" or 19"	■	■							
		Assistant's element	15" or 19"									
		Compact	15"									
	2nd monitor, without camera											
CEREC Chairline integration package	SIROCAM 3 / SIROCAM C	Dentist's element	19"	■*	■*							
		Additional holder on dentist's element	19"	■*	■*							

■ Options with 15" or 19" screen available ○ Options only with 15" screen available *Options only with 19" screen available

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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.



Dealer's stamp

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