



Thoroughly hygienic with Dentsply Sirona
It's a good feeling
to do everything right

dentsplysirona.com

THE DENTAL
SOLUTIONS
COMPANY™

 Dentsply
Sirona

Transmission channels in the practice

There are many ways in which the patients and team in a dental practice may be exposed to infection. This makes it absolutely essential to comply with all hygiene guidelines in the dental field and treat all patients as if they were potentially infectious! Now more than ever, it's also important to maintain a certain distance.

Risks in the entrance area and waiting room



The door handle



Seats and arm rests, restroom, contact from patient to patient



Physical contact when greeting

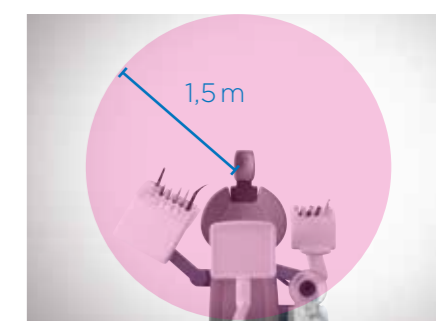
Risks during treatment in the treatment room



Instruments, ultrasonic tips, nozzles of the multifunctional syringe and hand-held instruments (probe, mirror, etc.)



Surfaces: tables, handles, buttons, upholstery



Aerosol cloud



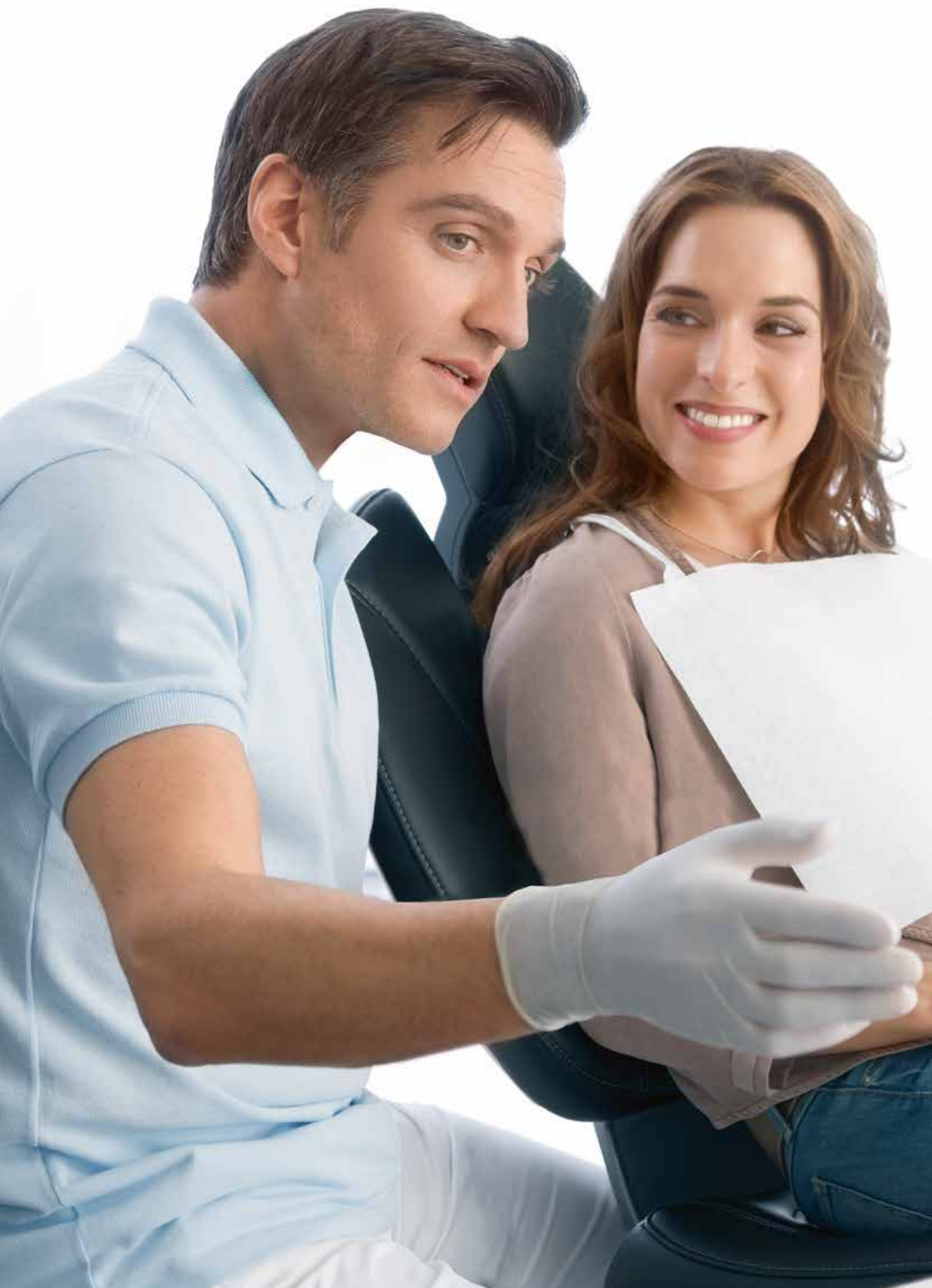
Blood and bodily secretions



Water delivery systems



Physical contact when leaving



Thoroughly hygienic

Dentsply Sirona has a comprehensive portfolio of hygiene products for maximum safety in the dental practice. Regardless of how your hygiene workflows are configured, we have the right product versions.



Heliodent Plus
Reliable hygiene with easily disinfected surfaces



Sanitization adapter
For rinsing water lines, instrument hoses, and suction hoses



Purevac® HVE
Cleaning and disinfection in ultrasonic bath or automatic cleaning and disinfection possible, sterilization using a steam sterilizer

Xios Scan
Detachable parts, minimal gaps and smooth surfaces for easy cleaning

Integrated disinfection system
Permanent disinfection of process water

Smooth surfaces
Detachable parts, minimal gaps and smooth surfaces for easy cleaning and disinfection

DAC Universal / DAC Premium
Fast, reliable reprocessing without chemicals ensures a long service life of the instruments



Components with automatic reprocessing
All hygiene-critical components are detachable and can be thermally disinfected and/or sterilized.



Turbines, straight and contra-angle handpieces

- Smooth surfaces for easy cleaning and disinfection
- No retractive suction into the instrument or treatment center



Primescan AC
Smart hygiene concept for fast, easy disinfection



Safe hygiene by design

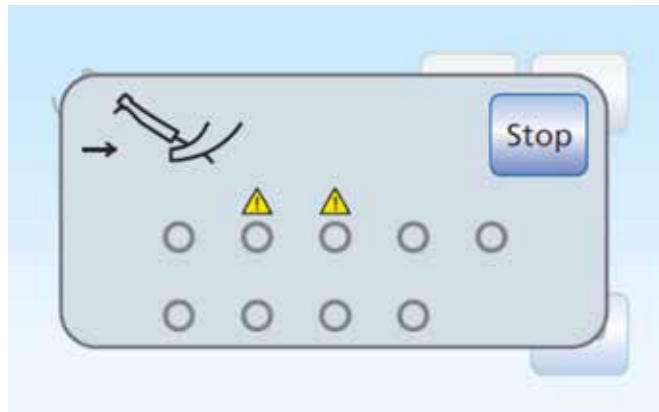
The hygiene regulations for dental practices are comprehensive and strict. Dentsply Sirona treatment centers meet the most stringent requirements and help you carry out the required hygiene measures quickly and efficiently. This is for the benefit of your patients and the safety of the entire practice team.

All Dentsply Sirona treatment centers with integrated disinfection systems are equipped with a free fall distance. This means that the municipal water cannot be contaminated with bacteria from the treatment center, and Dentsply Sirona treatment centers thus comply with DIN EN 1717.



Integrated disinfection system

An integrated disinfection system ensures safe, permanent disinfection. It automatically dispenses the right amount of Dentosept disinfectant into the process water of the treatment center so that bacteria levels in the treatment water are always as low as possible.



Support through software

Implementation of the hygiene measures is accompanied by the display on the user interface so nothing can go wrong. The practice team also receives automatic reminders when it is time to carry out certain hygiene measures such as sanitization or servicing, or when disinfectants or cleaning solutions need to be replenished. This means that nothing can be forgotten, even in the high-pressure practice routine.



The daily routine in the dental practice

Every morning

All water lines must be purged for at least 120 seconds* to clear water that has been left standing overnight in the treatment center!



Sanitization adapter for cleaning the instrument hoses (autopurge)

Automatically purge all instrument hoses for at least 120 seconds.

Tip:

In the evening, leave the instrument hoses in the sanitization adapter after purging. When the unit is turned on the next morning, it will begin by purging automatically.

Every evening

Purge water lines, disinfect dentist and assistant elements, thermally disinfect detachable parts!



Sterilization of silicone mats and handle covers

All hygiene-critical components are detachable and can be automatically reprocessed and sterilized in the cleaning and disinfection unit. This increases protection against cross-contamination and makes cleaning easier.

Sanitization adapter for cleaning the instrument hoses (autopurge)

Purge all instrument hoses for at least 120 seconds* with the sanitization adapter and empty the central suction strainer.

* The duration indicated reflects the manufacturer's specification and represents the minimum duration of the purging process. Please observe the national requirements for the length of purging.

We support you safely and efficiently throughout your workday with the hygiene functions of the treatment centers.

After each patient

Clean and disinfect all surfaces.

Purge all instruments used for at least 20 seconds*, then detach and reprocess them.

Clean the suction hoses.



Smooth surfaces

Check the surfaces for contaminants. Clean and disinfect all surfaces thoroughly with approved care, cleaning and disinfecting agents and observe the contact time of the products.



Purge the instruments and hoses

Purge all instrument hoses used for at least 20 seconds* with instruments attached. Also purge all suction hoses with the integrated suction hose cleaning system at just the touch of a button.



Reprocessing instruments

After purging at the treatment center, the bur is removed with tweezers and gross contaminants of all instruments are cleaned with an approved disinfectant. Then the instruments are taken to the reprocessing room for reprocessing.



Chemical suction hose cleaning

The cleaning agent concentration can be adjusted individually. The cleaning agent is automatically dispensed in doses specified by the manufacturer. This avoids you having to carry out manual chemical suction hose cleaning in the evening.



Cleaning the gold trap and cuspidor

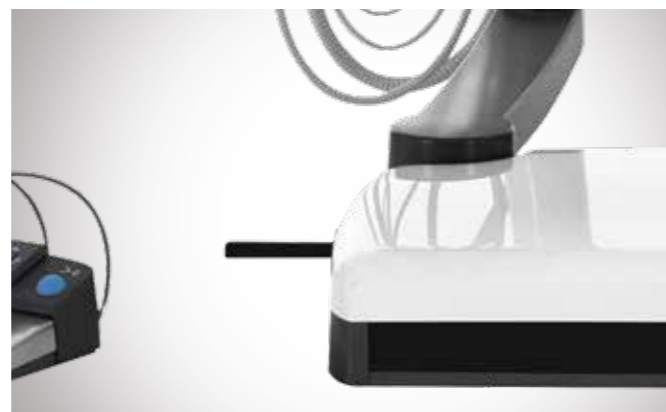
Clean the gold trap. The cuspidor is detachable for easy cleaning.

Avoid cross-infection with hands-free operation



Foot control

With Dentsply Sirona treatment center you can avoid cross-contamination right from the beginning, since the chair and its instruments can be operated entirely via the foot control. The chair and its instruments can be operated entirely via the foot control. This type of operation provides optimal support for hygienic work practices, especially with sterile procedures such as placing implants.



Integrated 4-way foot switch

In addition to the foot control, the treatment center can also be operated via the 4-way foot switch at the base of the chair. This allows you to change the position of the chair and motorized headrest during the treatment without having to put down the instruments.

Cleaning and care of treatment centers



How to take care of your treatment center

Detailed instructions on the proper care and cleaning of your treatment center can be downloaded from the Dentsply Sirona website under the Service menu item. You will also find a continuously updated list of approved care, cleaning and disinfecting agents there. In general, the national requirements and recommendations for hygiene and disinfection must be observed (e.g., Robert Koch Institute).



Water disinfection with Dentosept

Even with good quality municipal water, continuous disinfection of the process water and water delivery lines (including instrument hoses and cup fillers) is absolutely necessary. This is the only way to prevent recontamination.

The latest list for cleaning and disinfecting your treatment centers is available under dentsplysirona.com.



LED operating light with sensor technology

LEDview Plus can easily be programmed according to the chair positions and operated hands free. The no-touch sensor can be used for On/Off and composite function settings.



Removable handle sleeves

Adjusting the distance and angle of the light of course requires coming into contact with the lamp. The smooth surfaces enable quick and thorough cleaning and disinfection after treatment. The handle sleeves are detachable and can be automatically cleaned, disinfected and sterilized in the cleaning and disinfection unit.



Upholstery

The Premium upholstery of the treatment center is waterproof and thus hygienic. Besides stains, it is also important to check for contaminants and carry out essential cleaning and disinfection immediately and thoroughly after each patient. Regular cleaning and care will help preserve the suppleness and original luster of the upholstery for a long time.

Perfect hygiene

Turbines, straight and contra-angle handpieces, and ultrasonic scalers and tips demand careful reprocessing due to their narrow media ducts and intricate interior spaces. In addition to typical contaminants from treatments such as blood, saliva, secretions and tissue, there are also technical contaminants such as abrasion particles and oil residues. Each Dentsply Sirona instrument meets the highest hygiene standards in order to take these factors into account. Contaminated instruments, materials and devices put the practice team and patients at greater risk of indirectly transmitted infections. This is why turbines, straight and contra-angle handpieces, multifunctional syringes, ultrasonic handpieces and tips, the nozzles of multifunctional syringes and powder jet devices, and powder jet handpieces are becoming a key hygiene priority and represent a special contamination focus.

Sterilizable
> 2,000
cycles

Highest
level of
safety

Can be
thermally
disinfected

Easy to
clean

MADE IN
GERMANY

During treatment: All instruments are equipped with the latest technologies and ensure hygienic work results.



Cutting edge technology

The retractive suction stop and quick stop function (QSF) prevent the ingress of bacteria and aerosols into the instrument. This reduces the risk of cross-contamination for each treatment. It also prevents contamination of the treatment center with bacteria from the patient's mouth.



Titanium – the exclusive material

Special production methods and ultra-modern machines enable Dentsply Sirona to process titanium. Smooth surfaces and minimal gaps enable safe, efficient instrument reprocessing. Thanks to the materials used, the instruments are tolerated by every patient.

After every patient: All rotary instruments are cleaned, thermally disinfected and, if applicable, sterilized after each treatment.



Automatic cleaning, disinfection and sterilization

All Dentsply Sirona instruments are suitable for automatic reprocessing, and thus for automatic cleaning, thermal disinfection and sterilization to provide the most effective protection against viruses, bacteria and fungi. After every treatment, automatically clean and disinfect turbines, straight and contra-angle handpieces, ultrasonic handpieces and tips, and nozzles of the multifunctional syringe (e.g., DAC Universal).



Lubricating the transmission channel with T1 spray

Apply T1 spray to the transmission channel after every reprocessing in the cleaning and disinfection unit and before every sterilization. This takes only 1-2 seconds. Also apply T1 spray to the instrument head (collet chuck maintenance) once a week.



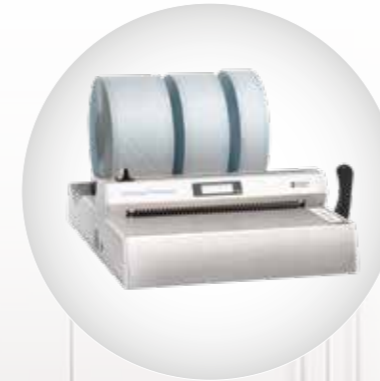
More information on Dentsply Sirona instruments is available at www.dentsplysirona.com or from your specialist dealer.

For the most demanding requirements

Dental practice hygiene is becoming increasingly important. Ensure optimal protection for yourself, your practice team and your patients without time-consuming manual tasks with the hygiene products from Dentsply Sirona.

As an expert in matters of hygiene, Dentsply Sirona offers a comprehensive product portfolio for maximum hygienic safety in the dental practice. The DAC Premium and DAC Professional autoclaves are classified as class B sterilizers according to DIN EN 13060 (standard for small steam sterilizers). They use 3-fold fractionated pre-vacuum stages to ensure complete steam penetration even with the most difficult load.

With additional checks of sterilization parameters, Dentsply Sirona autoclaves offer maximum safety and are the perfect complement to DAC Universal. With the sealing devices of the SiroSeal product line, you can expand your set-up to include reprocessing of wrapped instruments. You'll be surprised by the new range of options. Regardless of the configuration of your hygiene workflow, we have the right product versions.



SiroSeal Professional / SiroSeal Premium

The sealing devices provide optimal support for your hygiene workflow and ensure maximum safety.



DAC Universal - the combination unit

- Up to 6 instruments in approx. 15 minutes: internal and external cleaning, lubrication (if needed) and disinfection* of straight and contra-angle handpieces, turbines, ultrasonic handpieces and tips, nozzles of multifunctional syringes and powder jet devices, and powder jet handpieces
- Fast reprocessing without chemicals ensures a long service life of the instruments

* no sterilization

Green lid for ultrasonic instruments and nozzles of multifunctional syringes

Ultrasonic handpieces and tips, nozzles of multifunctional syringes and powder jet devices and powder jet handpieces are first cleaned internally and externally prior to thermal disinfection. The ultrasonic tips are reprocessed together with the corresponding torque wrench.



Green lid



DAC Professional / DAC Premium

- Both versions are suitable for all thermostable items and sterilization types - no additional sterilization device is required
- Operator error is a thing of the past with the integrated display and market-tested user interface
- Quick, easy and safe

More information on Dentsply Sirona hygiene systems is available at www.dentsplysirona.com or from your specialist dealer.

Hygienic safety

The touch of a button is all that is required for the special lid to close and for DAC Universal to begin its reprocessing program: Your instruments are then cleaned fully automatically and reliably (inside and out) without expensive additional chemicals, using only water. This also ensures a long service life of your instruments. All the hygiene steps of instrument reprocessing, such as cleaning, lubrication if necessary, and disinfection* are performed in a closed hygiene cycle. It's just that easy to eliminate sources of error and to achieve clean results.

Reprocessing of rotary instruments In a single cycle - Blue lid program



Internal cleaning with cold water

1. Preliminary cleaning
2. Leak test
3. Internal cleaning: The internal spray and transmission channels are rinsed with water



Fully automated lubrication

4. Lubrication: The transmission channels are lubricated (sufficient for the next treatment)



External cleaning with cold water

5. External cleaning: Pulse wash method (multi-cyclical cleaning method)



Thermal disinfection* and cooling

6. Heating to 134 °C
7. Back-flush: Saturated steam is directed through the instruments
8. Disinfection*: 0.5 min. at 134 °C
9. Cooling
10. The lid opens slightly
11. The lid can now be opened completely



Efficient suction

For reasons of preventive health care, the generation and diffusion of aerosols should be reduced. One way to achieve this is by efficient, high-volume suction*. With its effective suction, the Purevac® HVE reduces dangerous aerosols under visual control at an early stage directly on the tooth, thus ensuring more safety in the treatment room. Even and especially for two-handed treatment. The ergonomic shape allows flexible treatment in a nine to twelve o'clock position. The dentist's posture remains upright and relaxed.



Mirror and suction in one instrument

Maximum suction strength in all treatment areas as well as outstanding view thanks to a constant flow of air. Suitable for all liquid and solid materials, large and small particles. The secondary air inlets protect against reflux from the suction system to allow safe work.



Demonstration videos, useful information, and the instructions for use are available at dentsplysirona.com/purevac

* no sterilization

* Source: <https://www.bzaek.de/berufsausuebung/sars-cov-2covid-19/faq-coronavirus.html>

Intraoral imaging

Regardless of how you want to work, the solutions for entering the digital world and for fully digital X-rays offered by the intraoral X-ray family always give you the right product for your individual workflow. Here too, the issue of hygiene is by no means neglected – quite the contrary.



Hygienic positioning of intraoral sensors



Xios sensor hygienic protective sleeve

The use of individual sleeves during treatment protects the sensor and cable from contamination and dirt. This makes it especially hygienic for the patient.



Xios sensor holder system

The practical adhesive holders for our Xios sensors allow maximum comfort for patients. And because they are disposable products, there is no need to worry about complying with hygiene standards in reprocessing.

Simple disinfection of the X-ray generator



Heliodent Plus installation

The support arm and the wall module are easy to clean and disinfect. Dentsply Sirona uses uniform materials, so you need only a single cleaning agent to clean your treatment centers and your intraoral X-ray generator.



Heliodent Plus X-ray generator and tube

The smooth surfaces of the X-ray generator housing and tube are also easy to disinfect for hygienic safety.

More information on Dentsply Sirona Imaging Solutions is available at www.dentsplysirona.com or from your specialist dealer.

Extraoral imaging

Our extraoral imaging family provides images with a high degree of sharpness, both in 2D and in 3D, for greater precision and reliability of the diagnosis. Axeos and our Orthophos systems offer a wide range of optional features, product customization, upgrade options, and an optimized design to meet the high standards of infection prevention. Your practice is well equipped for success.



High-quality materials

Thanks to premium materials, our extraoral X-ray systems can be easily cleaned with the right cleaning agents, contributing to a high standard of hygiene. The high-quality materials ensure a long service life.



Smooth surfaces

Smooth surfaces facilitate cleaning and disinfection while underlining the overall hygienic appearance.



Easy-to-clean components

Removable, disinfectable, and autoclavable components and disposable protective sleeves for the bite block and forehead and temple supports enable easy, efficient cleaning processes and enhanced hygiene.



Prevention of cross-contamination

Disposable bite block tabs help prevent cross-contamination due to their single use.



Automatic functions avoid direct contact with patients

- Remote
- Automatic forehead and temple supports

More information on Dentsply Sirona Imaging Solutions is available at www.dentsplysirona.com or from your specialist dealer.

Digital impressions with Primescan: Everyday hygiene you can trust

A key element when developing Primescan was to exceed the statutory hygiene requirements while ensuring maximum scan quality. With our many hygiene options, you can always rely on optimal infection control, both with the intraoral scanner and with the acquisition center.

Primescan – the intraoral scanner for the highest demands

- Comfortable digital impressions without the risk of contaminated impression trays
- Comprehensive hygiene concept with a choice of sleeves
- The only intraoral scanner with a number of cleaning and disinfection options, surpassing regulatory requirements
- Fully closed scanning window to prevent the ingress of fluids during scanning



The acquisition center – an uncompromising medical device

- Modern hardware design with smooth, easy-to-clean surfaces
- Touch interface ensures a higher standard of hygiene compared with a conventional keyboard
- Medical device approved to be used in patient vicinity

The right sleeve for your hygiene requirements

Three different sleeve options make it easier than ever before to make hygienic digital impressions. All sleeves guarantee an outstanding scan result and can be disinfected, autoclaved, or disposed of after use. Primescan has a suitable solution for ensuring reliable intraoral scanning, both for meeting your own hygiene demands and all regulatory requirements.



Steel sleeve with sapphire glass window

- Wipe disinfection is the easiest and most cost-effective method of reprocessing, also possible with Dentsply Sirona disinfectants
- Proven solution
- Dry heat sterilization and high-level disinfection (HLD) possible
- Standard sleeve, included in the scope of delivery at no extra charge



Autoclavable steel sleeve with single-use window

- Autoclave sterilization to minimize the risk of cross-contamination
- Most commonly used sterilization process in dental practices
- Long service life thanks to stainless steel
- Additional sleeve, can be purchased separately



Disposable sleeve

- Alternative for the highest hygiene requirements, eliminates the risk of cross-contamination
- Easy to operate: switch from steel to disposable sleeve without needing to recalibrate the scanner
- Additional sleeve, can be purchased separately

Preventive measures

Before and during treatment



Hand hygiene

Hand hygiene is one of the most important ways of preventing infections. Hygienic hand disinfection must be carried out before and at the end of every procedure as well as any time treatment is interrupted. For the protection of the patient and the practice team.



Avoiding contamination and protecting hands

Hands can become the main transmitters of microorganisms. Fingernails must be trimmed and free of polish. They should not extend beyond the fingertips. Artificial nails are also taboo, as is the wearing of jewelry or watches on the arms and hands while working. The use of gloves reduces the risk of contamination for everyone involved in the treatment procedure.



Wearing protective clothing

Protective clothing must be worn if the work clothes might be contaminated with pathogens. Protective masks and safety goggles prevent exposure to blood, saliva or contaminated aerosol.

Before treatment



Sterile drapes

Placing sterile drapes before treatment provides additional protection.



Disinfecting water lines

When used consistently, the continuous addition to the process water reliably prevents the increase of pathogens in the treatment center water lines.

After treatment



Surface disinfection

After treatment, all areas and surfaces, including tables, handles, buttons and upholstery, are cleaned and disinfected. The scrub-wipe method is used.

After treatment



Suction hose cleaning

Cleaning the suction hoses.



Hygiene in the practice

Cleaning and disinfecting the dentist and assistant elements, the removable parts, and automatic reprocessing of the tray in the cleaning and disinfection unit.



Reprocessing instruments

Hygienic reprocessing of instruments according to risk assessment – cleaning, disinfecting*, and possibly wrapping and sterilizing.

Dentsply Sirona

Sirona Dental Systems GmbH
Fabrikstrasse 31, 64625 Bensheim, Germany
dentsplysirona.com

Procedural Solutions

Preventive
Restorative
Orthodontics
Endodontics
Implants
Prosthetics

Enabling Technologies

CAD/CAM
Imaging
Treatment Centers
Instruments