

Soaric

Thinking ahead. Focused on life.



Soaric

„The average gives the world its substance, the exceptional its value.“*

We are dedicated to always being at the cutting edge and simultaneously offering products that make everyday work in dentists' practices safer and easier. With an eye on comfortable and efficient treatment procedures, our employees create perfected products to the benefit of the user. This means that we have to know what dentists need, which is exactly why we place such importance on working in close cooperation with you. This provides us with a precise idea of their needs so that we can use this as a basis for the development of target-oriented innovations.

With Soaric, we have taken a step beyond developments as they are known today and offer you unique possibilities that will provide you with valuable support for your everyday dental practice and future challenges.

* Oscar Wilde





Patient Well-Being

An atmosphere of trust.

The modern and timeless design of Soaric, evident right down to the finest detail, underlines your competence and professionalism. At the same time, however, it also creates an atmosphere of trust and safety. This is achieved by the treatment unit's reduced and harmonious expression of form. After all, the more relaxed the patient, the more pleasant the treatment.



Lying Comfort



The interplay of technology, ergonomics and design places your patient at the centre of attention.

Sophisticated kinematics and the highly varied range of adjustment options enable you to adjust the patient's chair to the body size of your patient, irrespective of whether child, adult or person with restricted mobility, and in this way create an environment in which they feel comfortable.

Super-sensitive height adjustment

The patented kinematics of the patient's chair provide gentle, precision height adjustment. Neither starting nor stopping are noticeable. The patient is lying in a comfortable and relaxed position. The hydraulic height adjustment ranges from a sitting/lying height of 380 mm to 800 mm. Depending on requirements you can choose between a high- or a low-speed mode.



Ergonomic headrest

Both the extension and the angle of the ergonomically formed headrest can be adjusted easily at the push of a button. During this procedure, the kinematics track the patient's natural neck movement and ensure that the head is resting in a safe position. The double-jointed headrest is particularly suitable for children or patients with physical abnormalities. It has a particularly large tilt angle and can be adjusted into the perfect position to support the patient's head.



Variable backrest height

The fully extendable backrest guarantees an individual adjustment to all patient body sizes.

Synchronized backrest adjustment

The new Soaric synchronized mechanism with combined movement of backrest and seat guarantees optimum sitting and lying comfort during every phase of patient positioning. This provides anatomical support for the patient's spine and prevents any stretching or compression in the area of the back.





Sitting Comfort



Soaric is equipped with foldaway foot section and armrest to make mounting and dismounting the chair very easy.

Particularly suitable for older patients and those of limited mobility while at the same time allowing intensive patient consultation. This model, with its comfortable Soaric synchro-mechanism, also supports the patient's spine.

Low access

With a seat height of only 380 mm in its lowest position and a foot section which can be folded away by 90°, this treatment unit offers your patients easiest possible access. Nevertheless, operating height adjustment is still possible up to 800 mm, ensuring that you have optimum ergonomic working conditions.



Comfortable access

The swivelling armrest makes side mounting and dismounting easier, particularly for patients with limited mobility.

Optimum support

As soon as you set the patient's chair into its lying position, the footrest slides out automatically and guarantees your patient a secure and comfortable resting position.



Treatment Comfort

Flexible and intuitive operation guarantees optimum treatment process.

Soaric offers a wide range of optional system components for all forms of treatment: Patient's chair with or without foldaway foot section, floor-mounted-tray or over-the-patient-tray and lots of other options – the choice is huge.

Using the LC touch display on the dentist's element, the instruments and foot control can be adapted individually to suit your own regular treatment procedures. Using the operator panel, practitioners can save and access all settings, including hygiene and cleaning processes, as required. The ergonomic instrument arrangement and the newly developed interface support the treatment process.

In addition, Soaric offers innovative instruments for advanced endodontic functions; microscope integration to a networked monitor is also possible.

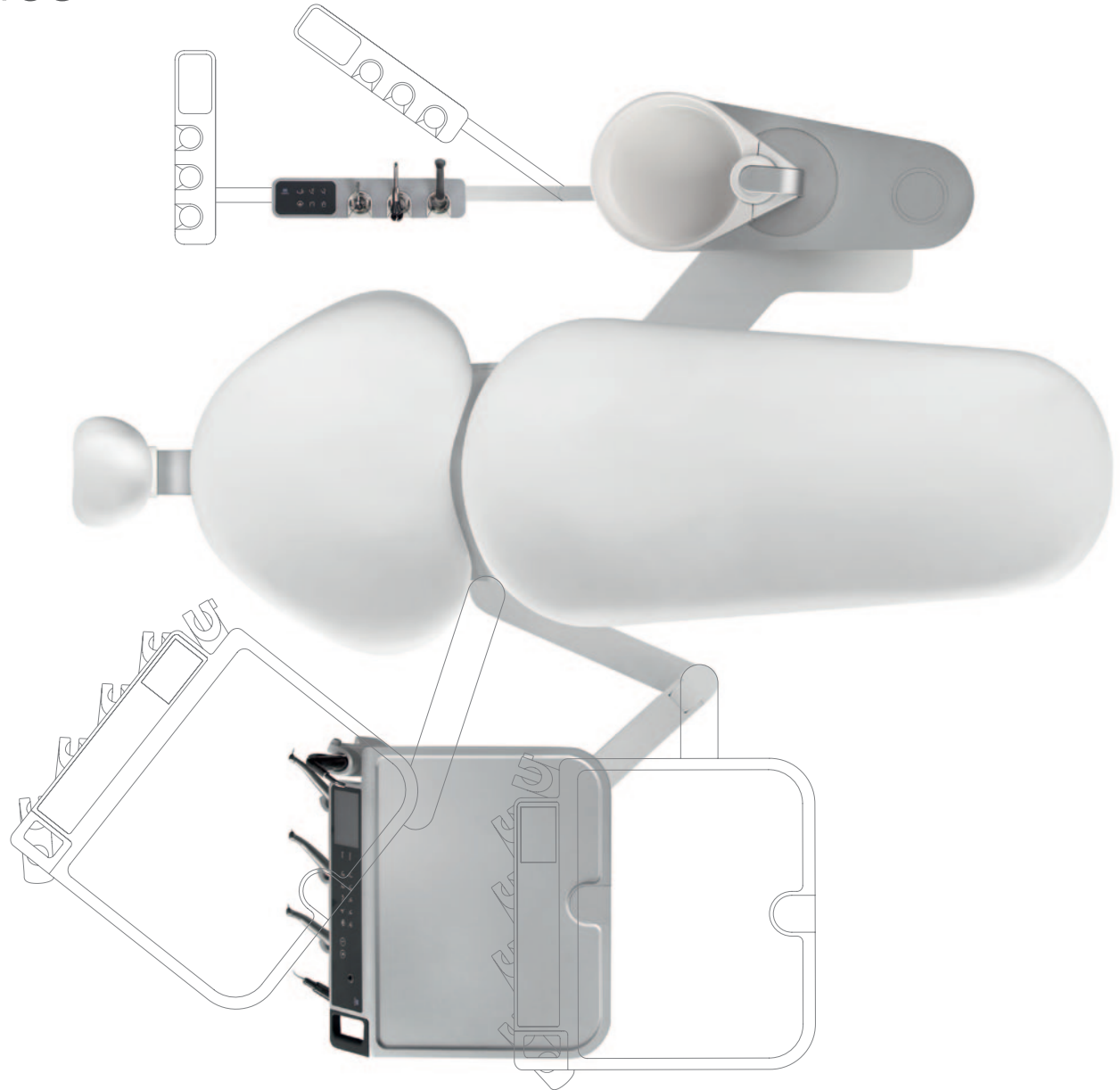


System Ergonomics

Minimum footprint with maximum movement area.

The flexibility of the dentist's and assistant's element makes Soaric ideal for treatment by individuals and particularly suitable for working in a team.

Instruments are ideally located within easy reach and can be passed easily between practitioners according to situation during 4- or 6-hand treatment.





Maximum legroom

The slim design of the backrest provides you and your assistant with optimum legroom and access to the patient. This ensures relaxed, safe and precise treatment in all treatment positions.



Innovative instrument holders

The instrument holders with horizontal adjustment ensure that you can intuitively remove and replace the instruments safely.

The patented hose strain relief minimizes strain on hand and finger muscles and helps ensure precise and non-tiring treatment.



Optimum access

The Soaric cone-shaped backrest alleviates access to the patient with sufficient free space for the dentist and assistant.



Precise focussing

The slow-speed mode of the patient's chair allows millimeter-precise focussing of the treatment area. This is particularly important if you are working with a microscope.

Instrument Holders



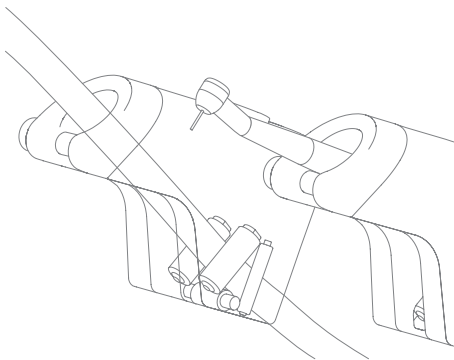
The patented instrument holders for maximum ergonomics and flexibility.

The instrument holders allow absolute freedom of movement: The individual holders can be adjusted by 25 degrees in a horizontal direction for optimum positioning according to your requirements. Seven instruments, including intraoral camera and LED polymerization handpiece, can be installed on the dentist's element according to choice.

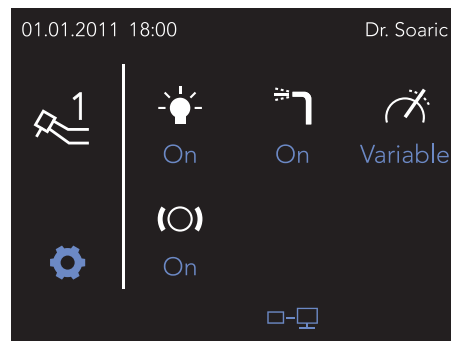
The dentist's element can be adjusted according to your height; the height adjustment range is 720 to 900 mm for the floor-mounted-tray version and 800 to 1180 mm for the over-the-patient tray.

Innovative strain relief

The integrated, hose strain relief reduces the weight of the hose in your hand. It minimizes the strain on your hand and finger muscles and helps ensure precise, non-tiring treatment. The specially designed instrument holders help to ensure safe replacement and storage.



Navigation



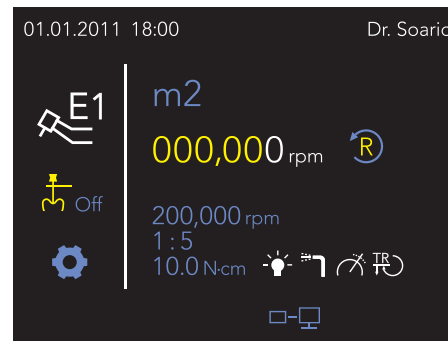
Easy to use and operate.
Soaric makes it really easy for you to use the operator panel:

With the non-reflecting LC touch display, you can call up all functions on the treatment unit at the push of a button, carry out your own individual settings and store them to memory.

This applies for the settings of the patient's chair, the instruments, foot control programming and automated cleaning and maintenance processes.

Treatment personnel dialog when removing the turbine

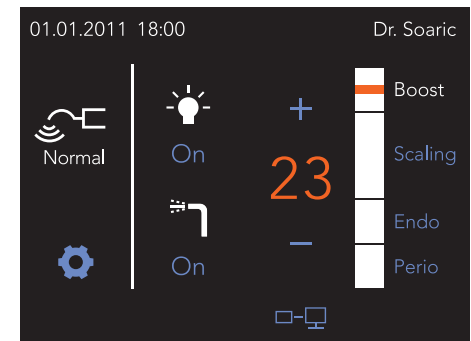
After removing the turbine, you have the possibility of selecting spray, light and hose strain relief separately and setting a variable or constant speed.



Treatment personnel dialog when removing the micromotor

You decide on the settings, light, spray, speed, rotational direction and reduction and multiplication.

As an option, Torx SII-R functions as endodontic motor with integrated apex locator.



Treatment personnel dialog when removing the scaler

Light, performance and spray can be selected separately in scaling mode.

19-inch LCD monitor

The monitor can be mounted on the dentist's element or on the light pole as required.

Navigation

The LC touch screen display can be transmitted to the monitor in full-screen mode or with fourfold enlargement.

Data network

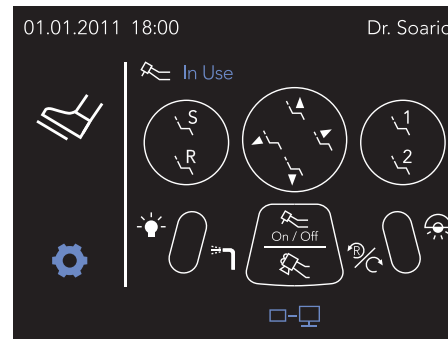
The treatment unit can be integrated into your practice's network via the Ethernet connection. There is also a USB port on the dentist's element.

PC mode and trackpoint

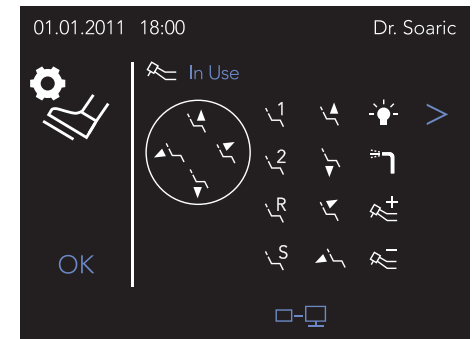
If the treatment unit has been integrated into your network, you can display the data from your practice's PCs on the Soaric monitor in so-called „PC mode“. The data can be processed using the trackpoint on the operator panel, the foot control or a connected mouse.



Foot Control



Sample foot control configuration



Configuration options using centre button as example

All-rounder with control comfort

Irrespective of what configuration you are used to for your foot control, the Soaric's cabled foot control with safe transmission enables you to take over your habits and settings and configure the foot control buttons to suit your own individual needs.

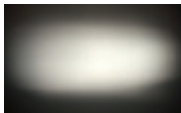
Using the LC touch display you can program the foot control and store your own settings. In this way, you can operate the patient's chair, instruments and OP light to suit your specific treatment methods.

If the treatment unit is integrated into a network, you can also navigate your PC in i-Dixel PC mode using the foot control.

OP Light

Optimum lighting for precise treatment

The OP light LunaVue LD excels with its large field of light and an even, shadow-free illumination of the working area. The high light intensity of 30,000 Lux at a color temperature of 4,200 Kelvin generates a natural light.



Standard Halogen



LunaVue LD

Non-contact control

Motion detectors on the underside of the OP light enable you to switch the light on and off without contact – as an option also possible optionally this can be done using the foot control or the operator panel.

Hygiene

Both handles are easy to detach and sterilize.

LED

In comparison to standard halogen lighting, the service life of the LEDs reduces the operating costs of the LunaVue LD by two thirds.



Integrated Microscope



Soaric with integrated microscope and a large number of innovative instruments for highly demanding odontology offers you the possibility of adapting the unit to suit your requirements.

Soaric provides vital support throughout all treatment phases of periodontology, endodontics and implantology in particular and helps produce extraordinary treatment success.

Innovative technology

Smallest instrument heads, ergonomically formed, perfect balance and low weight are characteristic features of the instruments of the Ultramini TwinPower turbines and TorqTech hand and angle-piece series. This makes them particularly suitable for use with a microscope.



Optimized area of vision

The very small instrument heads allow the best possible visibility of the treatment area and instrument. The mini-head does not hide the mirror, allows better position and greater flexibility outside the spray area as well. This provides you with greater scope for treatment and enables you to achieve even better results.



Intuitive instrument handling

The adjustable instrument holders and their intuitive replacement aid provide maximum support when using a microscope. You can concentrate completely on the microscope and are not distracted by removal and replacement of instruments.

System-integrated microscope

With Soaric, you can integrate microscopes from the companies Carl Zeiss, Leica or Kaps for demanding treatment calling for maximum precision. If Soaric is integrated into your practice network, you can transmit microscope exposures onto the treatment monitor.

Slow-speed mode for fine adjustment

Refocusing the microscope calls for a slow-speed mode for the patient's chair. With the Soaric slow-speed mode, you can adjust the patient's chair gently to the ideal height in the event of a changed working position.

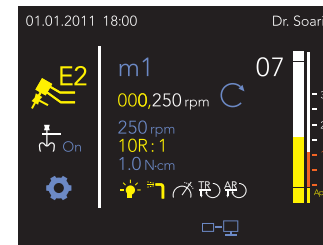


Endodontics



Endodontics – Morita's strength. Soaric is fitted with special components for a comfortable treatment process.

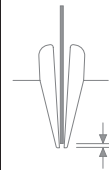
The integrated apex locator transmits the measurement function onto the display. The navigation interface helps to ensure treatment without distraction but with all endodontics parameters constantly in view. The integration of a microscope provides even better conditions for complex and demanding treatment.



Integrated safety

The micromotor Torx SII-R with the special angle piece TorqTech ENDO is particularly suitable for root canal treatment.

During treatment of the root canal, you can track the exact position of the file tip in the canal on the display or the monitor. The nickel-titanium files conduct the electrical signal without separate file electrode; this makes changing files quicker and easier. The mucosal electrode with its backrest adaptation eliminates the necessity for „annoying cables“.



Auto torque reverse

If the pre-set torque is exceeded, the file switches automatically to the reverse direction. This function prevents any blocking in the root canal.

Auto apical reverse

The file goes into reverse automatically as soon as a pre-set position to the apex has been reached.

Auto apical stop

The motor stops automatically upon reaching a pre-set reference point.

Navigation

The monitor is not only able to show a full-screen display of the LC touch screen or the data from your practice's PC, it can also display both at the same time. The LC touch screen display can be shown in fourfold enlargement in various positions on the monitor. As a result, the values from the root canal measurement can be read off easily with precision.



Instruments

TwinPower Turbine



Symbiosis of precision and handling

Our strength for generations has been the manufacture of products of the highest quality and reliability.

Example: TwinPower turbines, four outstanding properties: maximum output up to 25 watts, maximum torque with the patented twin rotor technology, small turbine head for best possible visibility, zero-suck-back effect for hygienic treatment.

The best: TwinPower also offers security for your hygiene plan. The manual preparation of the turbine has been verified by an independent survey at Dresden University. As a result, you can carry out treatment flexibly, economically and safely.

Ultramini TwinPower Turbine



High-powered operation

Small, ergonomic and high-powered – these are also characteristics of the turbines UltraM and UltraE of the new Ultramini TwinPower series. With their small dimensions and simultaneous high power they make treatment easier in the molar area – with or without a mirror.

UltraE offers 20 watts output with a head diameter of 9 mm and a head height of 12.7 mm. UltraM has 18 watts output and has the smallest head in the TwinPower family: diameter 9 mm and a height of only 10.6 mm. Both UltraE as well as UltraM can hold standard burs with a length of up to 20 mm.

Collectorless Micromotor Torx SII-R



Micromotor Light and compact

At just 62 mm in length, the short, collectorless micromotor Torx SII-R weighs only 68 g and has an ergonomic design enabling it to rest extremely well in the hand. This is a masterpiece of fine engineering precision when it comes to technology, output and long service life. The motor's operation is smooth and well-balanced throughout its complete speed range from 100 rpm to 40,000 rpm.

TorqTech attachment handpieces Perfectly balanced

TorqTech hand and angle pieces are ergonomically designed with compact dimensions and mini instrument heads. In combination with Torx SII-R micromotor, you can experience the perfectly balanced relationship between micromotor weight and angle-piece size. A well-balanced instrument design that makes it easy for you to reach all treatment areas.

LED Polymerization Light PenCure 2000



PenCure 2000. High-performance LED polymerization light

With a parallel bundled, highly concentrated blue LED light ray, perfect design and well-balanced ergonomics, the new modular PenCure 2000 polymerization light with its technical parameters stands out among polymerization lights. With an output of 2000 mW/cm², effective hardening is possible in 3 seconds. 80 percent of the light ray is focussed in such a way that it retains its intensity even at a distance of 5 mm.

The combination of a specially designed reflector and an aspherical lens ensures

a uniformly illuminated light field. A variety of light conductor heads for different modes complement the area of use up to individual tooth bleaching: Standard mode with 10 sec., step mode with 10 or 20 sec. and pulsating mode with 10 or 20 sec.; high-power mode with 2 or 3 sec. In comparison to polymerization lights with light conductors and very small head, PenCure 2000 with high light intensity makes it possible to achieve comfortable curing even in difficult molar areas.

Assistant's Element

Space-saving, multi-positioning.
The telescope extension with height-adjustable swivel arm can always be moved into the ideal position, for solo or team treatment.

The sleek design even allows positioning between assistant and patient. The patient's chair, OP light, suction, cuspidor rinsing and tumbler filling functions are all controlled from the operator panel.

The saliva and spray mist ejector have an additional slide control so that the instruments can be controlled simply and easily by you.



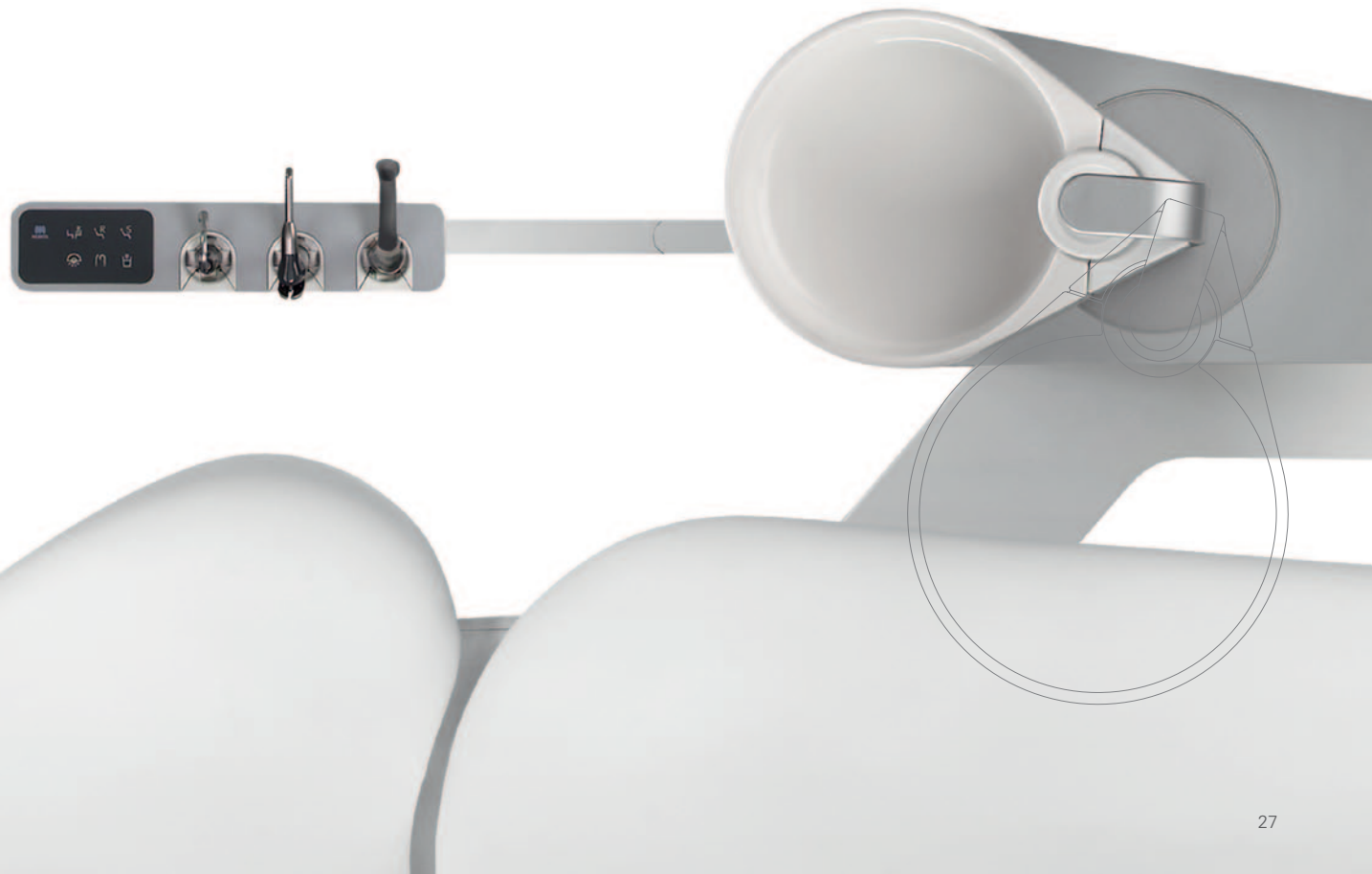
Cuspidor

Cuspidor, motorized swivel motion

The ceramic cuspidor offers even more comfort for the patient and simplifies the treatment process. If the patient's chair is moved into the mouth-rinsing position, the cuspidor swings automatically 70° towards the patient.

Rinsing tumbler, automatic filling

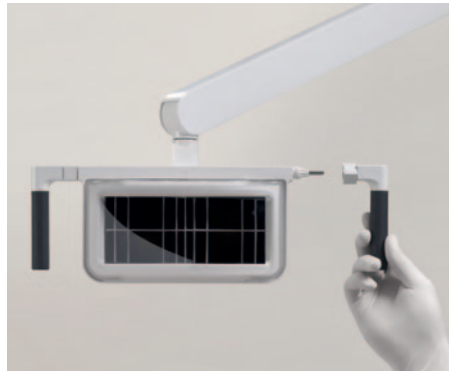
Tumblers are detected and refilled with water automatically by photosensors.



Hygiene



The ceramic cuspidor and the tumbler tray can be removed very easily for cleaning.



For cleaning in the autoclave, the handles of the OP light and the dentist's element can be removed quickly without requiring any tools.



The hose retractor and the instrument holders on the assistant's element can easily be removed individually for daily disinfection and autoclaving.



The instrument tubulars on the dentist's element can also be removed easily for daily disinfection and sterilization.

Consistent practice hygiene: The best guarantee for safety for your patients and your team.

With its materials and surface properties, Soaric provides the appropriate basis for efficient and safe hygiene in order to meet the increasing demands of the European hygiene regulations. All areas of relevance for hygiene are easily accessible so that the hygiene process can be completed quickly after the treatment of each patient.

The integrated suck back stop and the use of the multi-functional foot control for frequently used functions avoid cross-contamination.

In addition, integrated hygiene programs protect the inner workings of the unit, save a great deal of time and are easy to use.



Hygiene



Automatic disinfection

The suction hoses can be disinfected automatically using the water unit. To do so, fill the provided containers with disinfectant and connect the instrument hoses to their respective sockets.



Integrated hose flushing system

To flush water hoses, simply attach the instrument hoses to their respective connection points.



Comfortable accessibility

The cut filter and the amalgam trap are easily accessible and can be easily emptied.

Permanent water sterilization

The water is sterilized automatically in all pipelines and hoses.



Automatic cleaning and disinfection processes simplify daily hygiene practice.

Easy accessibility and intuitive operation help ensure an effective workflow.



Working Stool



The Soaric working stool supports you perfectly in all working positions: The flexible seat inclination which adjusts automatically to your individual posture and the concave surface of the seat with thermo upholstery ensure ergonomically even pressure on the thighs.

The armrest which can be swivelled from left to right on the backrest creates the maximum possible flexibility for your personal area of movement. Using the foot-ring, the seat can be adjusted to any height between 460 mm and 650 mm.

Colors



Gray L1



Gray M1



Gray D1



Beige L1



Beige M1



Blue L1



Blue M1



Blue D1



Green L1



Green M1

Choose your upholstery from a range of ten different colors.

System Components



Dentist's element as floor-mounted-tray



Dentist's element as over-the-patient-tray



Dentist's element with comfort tray
as over-the-patient-tray



Additional tray



Microscope

Soaric offers you a wide variety of equipment options. You can configure your treatment unit according to your requirements. Alongside, you can see a few examples of system components.

For further equipment possibilities such as monitors or armrests, please pay us a visit at www.soaric.com where you can put together your own personal Soaric.

Specifications

Name:	Soaric
Model:	DU-1
Input voltage:	220/230/240 V AC
Frequency:	50/60 Hz
Power consumption:	1,0 kVA
Seat height:	380 mm to 800 mm
Backrest angle:	0° to 80°
Weight:	ca. 280 kg to 300 kg

Features

Patient's chair with or without foldaway foot section and footrest
Oil hydraulics
Standard headrest or double-jointed headrest
Armrest dentist's side (only for version with foldaway foot section)
Armrest assistant's side
Backrest, extendable as option
Foot control
Working stool
LED operation light
Dentist's element in floor-mounted or over-the-patient version
USB connection on dentist's element
Silicon tray mat
19" monitor on light pole or on dentist's element
Microscope adapter for Carl Zeiss, Leica or Kaps

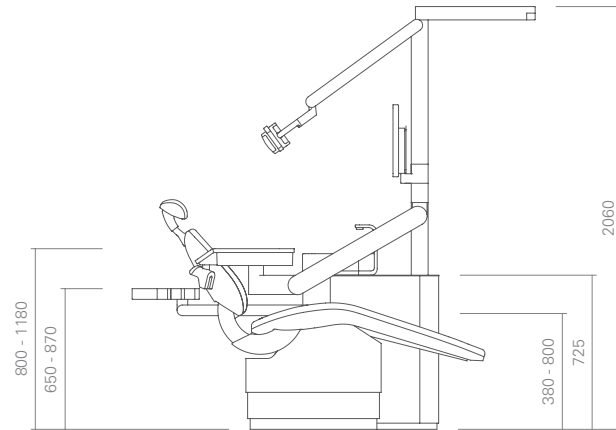
Additional tray for floor-mounted version
Comfort tray with one or two levels for over-the-patient version
Ceramic cuspidor
Quick connectors with fresh water, compressed air and water return for auxiliary devices or hydrocolloid
Hot-water boiler
Amalgam separator
Integrated disinfection system, optional permanent or intensive sterilization
Integrated rinsing system after RKI for water-conducting hoses
Integrated disinfection system for suction hoses
Polystyrene microfilter system for fresh water and compressed air system

Instruments on dentist's element

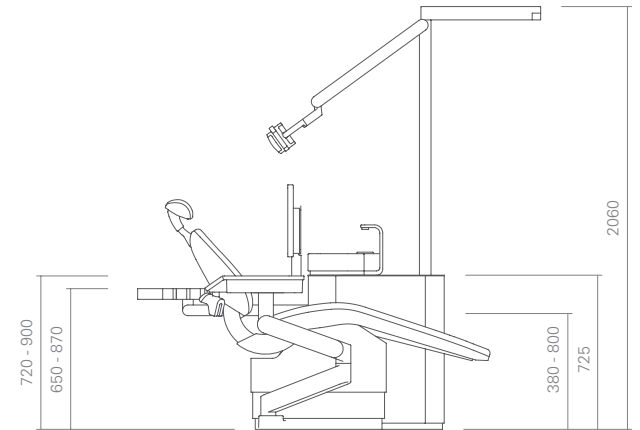
Instrument holders for up to 7 instruments
Up to 2 pneumatically driven instruments with halogen or LED light
Up to 2 micromotor connections with Torx SII-R with LED light
Multi-functional syringe, as option with LED light
Ultrasound scaler with LED light (choice of 3 models)
PenCure 2000 LED polymerization light

Instruments on assistant's element

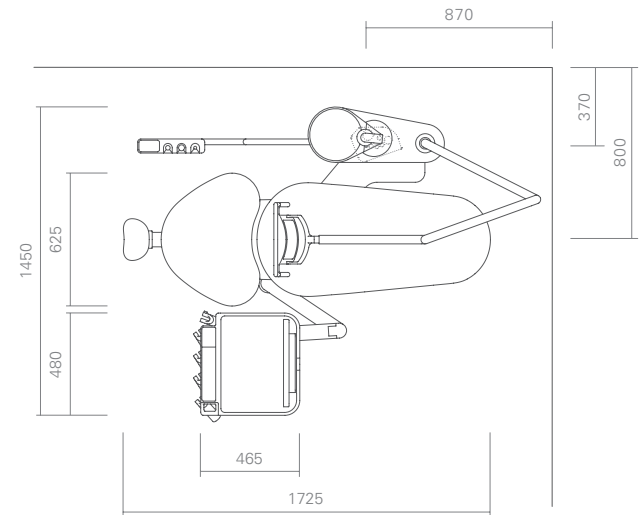
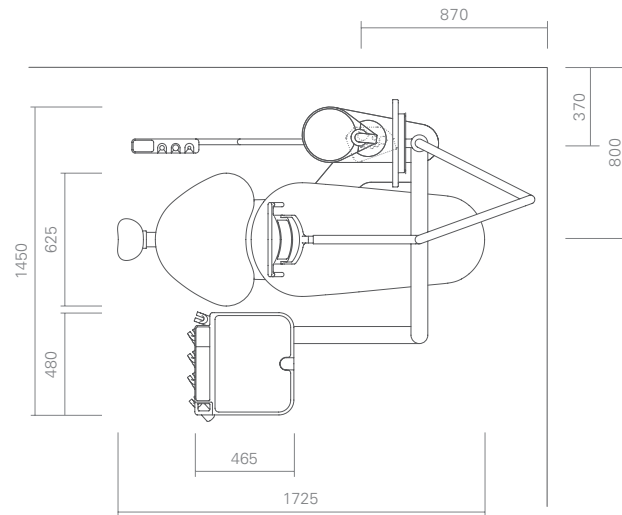
Instrument holders for up to 3 instruments
Multi-functional syringe, as option with LED light
Suction tube (spray mist ejector)
Saliva ejector



Over-the-patient version



Floor-mounted version





Soaric received the following awards in 2012:

- iF product design award in gold for product design
- iF communication design award for the design of the interface
- iF communication design award for the design of the catalogues and the Soaric advertising campaigns

Product design: f/p design
 Interface design: f/p design
 Catalog design: f/p design
 Product photographs: Lippmann Photodesign





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