

Special Print IDS

# Soaric

Thinking ahead. Focused on life.



**„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 and users 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 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 puts the focus on the patient.**

Developed according to latest ergonomic and hygienic findings, the upholstery is made of a breathable material guaranteeing a comfortable lying position while at the same time avoiding heat accumulation in the event of longer treatment periods. With the wide range of setting options, your patients are lying in a safe and relaxed position.

## **Super-sensitive height adjustment**

The patented kinematics of the treatment 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**

The ergonomically formed headrest can be adjusted easily in both its length and angle at the push of a button. While doing so, the kinematics track the patient's natural neck movement. The dome shape with slip-preventing cover enables you to move the patient's head into any position safely and without pressure.

## **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 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 treatment 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 chairs with one-piece seat or foldaway foot section, swivel arm or suspended 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. Each setting, including hygiene and cleaning processes, can be stored and accessed individually using the touch panel. The ergonomic instrument arrangement and the newly developed interface support the treatment process.

In addition, Soaric offers a special endodontic function with new instruments; microscope integration to a networked monitor is also possible.



# System ergonomics



## **Minimum footprint with maximum movement area.**

Soaric is ideal for treatment in a team or as an individual because of the flexibility and movement areas offered by the dentist and assistant elements.

The instruments are always ideally located for perfect reach. You can position your instruments according to your preferred form of treatment. This enables you to achieve optimum ergonomic work results from the 9:00 to 12:30 position.



### **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 precision treatment in all treatment positions.



### **Innovative instrument holders**

The instrument holders with additional horizontal adjustment ensure that you can intuitively remove and replace the instruments safely. The patented hose strain relief minimises strain on hand and finger muscles and helps ensure precision 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.



### **Precision height adjustment**

The slow-speed mode of the treatment chair allows precision height adjustment of your patients to the exact millimetre - particularly useful for treatment with microscope.

# Instrument holder



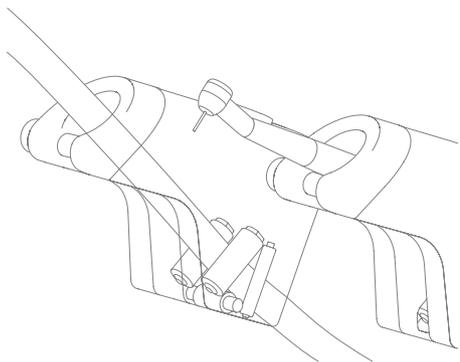
## **The patented instrument holder for maximum ergonomics and flexibility.**

The innovative instrument holder allows absolute freedom of movement: The individual holders can be adjusted by 25 degrees in a horizontal direction for optimum positioning according to your requirements.

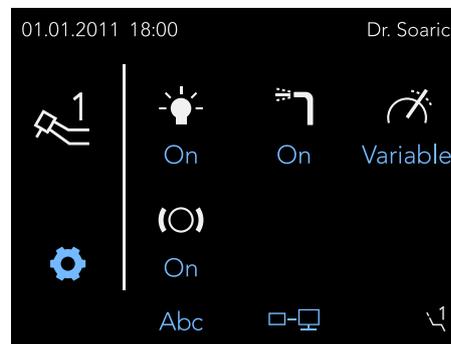
Seven instruments, including the Penview intraoral camera and LED polymerisation handpiece, can be installed on the dentist's element according to choice. The dentist's element can be adjusted according to your height; the height adjustment range is 720 to 900 mm for the swivel arm version and 800 to 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 minimises the strain on your hand and finger muscles and helps ensure precision, non-tiring treatment. The specially designed instrument holders help ensure safe replacement and storage.



# Navigation



**Easy to use and operate. Soaric makes it really easy for you to use the control 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 treatment chair, the instruments, foot control programming and automated cleaning and maintenance processes.

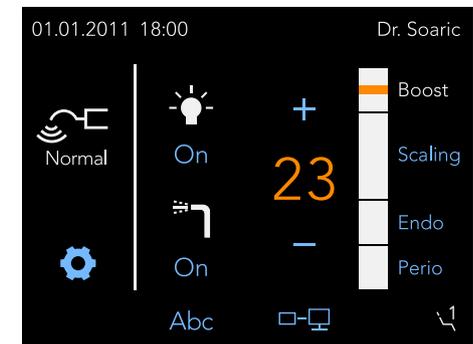
**Treatment personnel dialog when removing the turbine**

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.



**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 lamp support as required.

### Navigation

The display on the LC touch display can be transmitted on the monitor with four-fold enlargement.

### Data network

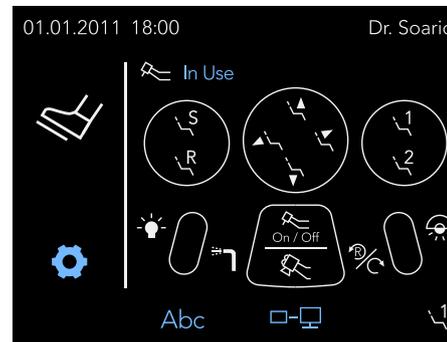
The treatment unit can be integrated into your practice's network via the Ethernet connection. There is also a USB port on the dentist's element.

### PC mode and trackpoint

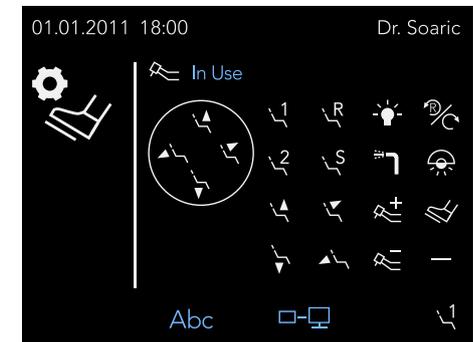
If the treatment unit has been integrated into your network, you can display the data from your practice's PCs on the Soaric monitor in so-called „PC mode“. This can be processed using the trackpoint on the control panel or a connected mouse.



# 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 treatment chair, instruments and OP lamp 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 Lamp

## **Optimum lighting for precision treatment.**

The LunaVue LD lamp 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 colour temperature of 4,200 Kelvin generates a natural light.



Standard Halogen



LunaVue LD

## **Non-contact control**

Motion detectors on the underside of the OP lamp enable you to switch the lamp on and off without contact – as an option also possible optionally this can be done using the foot control or the control 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 new, 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 Torx/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 holder and its intuitive replacement aid provide maximum support when using a microscope. You can focus completely on the microscope and are not distracted by the removal and replacement of the instruments.

### **System-integrated microscope**

With Soaric, you can integrate microscopes from the companies Carl Zeiss or Leica 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 treatment chair. With the Soaric slow-speed mode, you can adjust the treatment chair gently to the ideal height in the event of a changed working position.

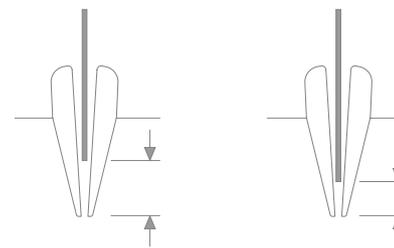


# Endodontics



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

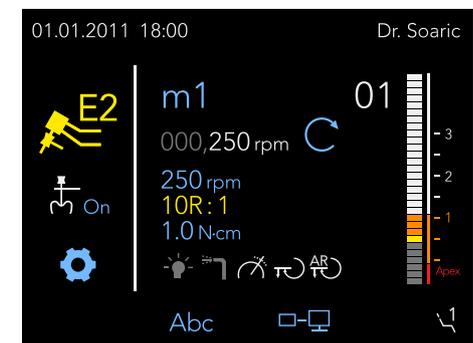
The integrated apex locator transmits the measurement function onto the display. The navigation interface helps to ensure treatment without distraction but with all endodontics parameters constantly in view. The integration of a microscope provides even better conditions for complex and demanding treatment.



## Integrated safety

The micromotor Torx SSR with the special angle piece Torqtech, integrated measurement and preparation function and mini-head, is particularly suitable for root canal treatment.

During treatment of the root canal, you can follow the file tip position in the canal on the LC touch 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 start and stop

File oscillation starts when the file is inserted into the root canal and stops automatically when removed.

## Oscillating rotation

The file switches between forward and reverse movement for more safety during preparation. This function prevents any blocking of the file in the root canal.

## Auto torque slow-down

The rotation speed reduces automatically as soon as the file has reached a pre-set torque level.

### **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 slow-down**

The oscillation speed is reduced automatically as the file tip approaches the pre-set reference point.

### **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.



# 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 suckback 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 of power and even UltraM with a power of 18 watts and the smallest head in the Ultramini TwinPower series can hold standard burrs up to 20 mm length.

### Brushless Micromotor Torx SS/SSR



#### Micromotors Light and compact

The 62 mm short, brushless motors of the Torx series weighing only 68 g rest uniquely in the hand with their ergonomic design. They are a masterpiece of fine engineering precision when it comes to technology, output and long service life. With a speed range from 100 rpm up to 40,000 rpm, the motors operate smoothly and well-balanced, particularly in the lower speed range and in this way provide effective support for endodontic treatment.

#### TorqTech attachment handpieces Perfectly balanced

TorqTech hand and angle pieces, ergonomically designed, compact dimensions and mini instrument heads. With the Torx micromotor, you have a well-balanced instrument design that makes it easy for you to reach all treatment areas.

### LED Curing Light Pencure 2000



#### PenCure 2000 High-performance LED curing light

With a parallel bundled, highly concentrated blue LED light ray, perfect design and well-balanced ergonomics, the new modular PenCure 2000 polymerisation lamp with its technical parameters stands out among curing lamps. With an output of 2000 mW/cm<sup>2</sup>, 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 mirror with aspherical lens ensures an

even distribution of the light intensity. 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 curing lamps with light conductors and very small head, the PenCure 2000 with high light intensity makes it possible to achieve comfortable curing even in difficult molar areas.

# Assistant 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 allows positioning between the assistant and patient. The treatment chair, OP lamp, suction, cuspidor rinsing and tumbler filling functions are all controlled from the operator panel.

The saliva ejector is controlled simply and easily by slider control.



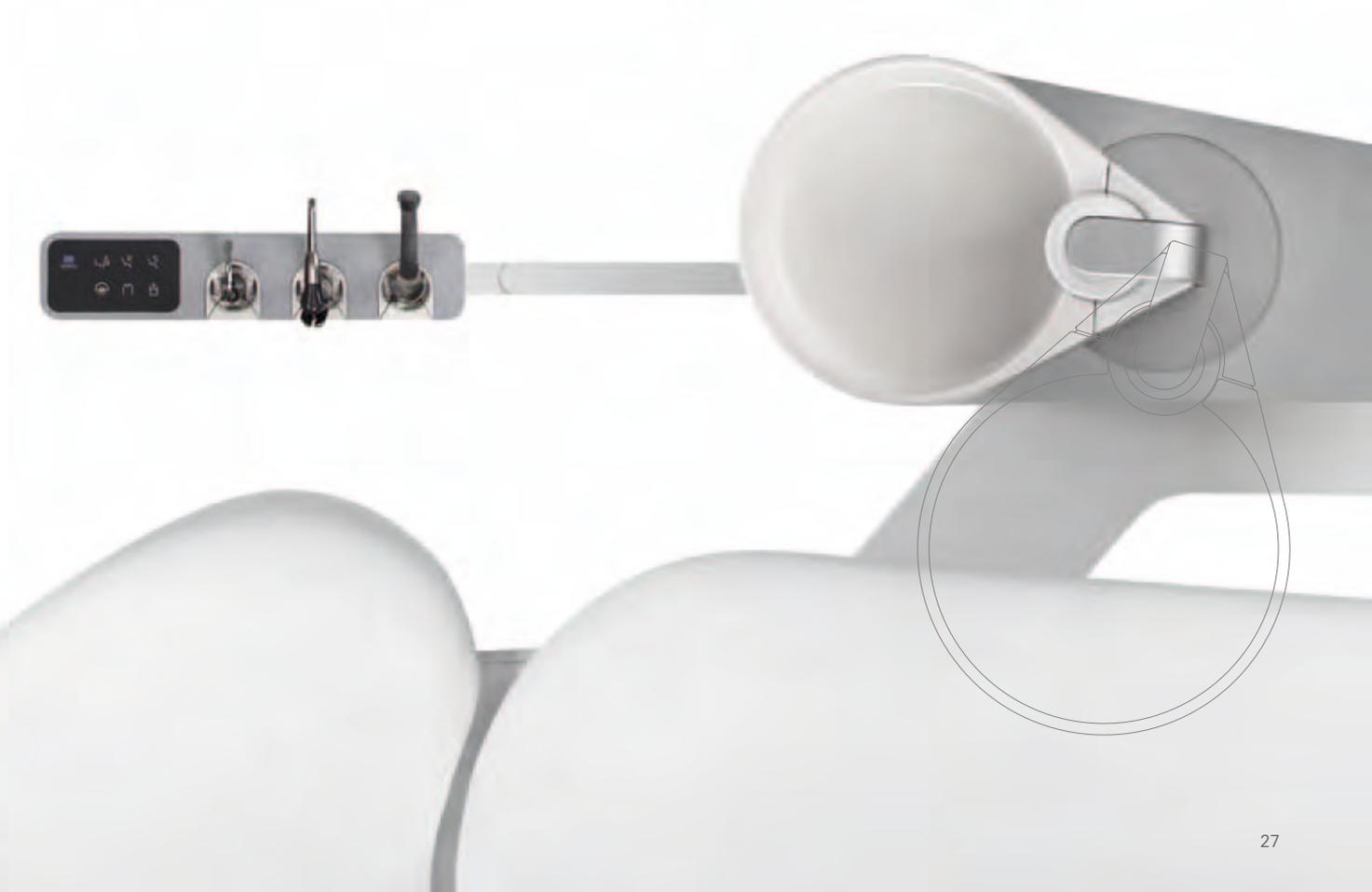
# Cuspidor

## **Cuspidor, motorized adjustment**

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

## **Rinsing tumbler, automatic filling**

Both the optical tumbler detection and refilling with water take place automatically by patented 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 lamp and the dentist's element can be removed quickly without requiring any tools.



The replacement aid and the instrument holders on the assistant's element can be easily removed individually for daily disinfection.



The instrument holders on the dentist's element are also easy to remove and disinfect.

**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**

All water-bearing hoses are sterilized automatically.



**Automatic cleaning and disinfection processes simplify daily hygiene practice.**

Easy accessibility and intuitive operation help ensure an effective workflow.



# Configurations



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.morita.com/europe](http://www.morita.com/europe) where you can put together your own personal Soaric.

# Colours



Grey L1



Grey M1



Grey D1



Beige L1



Beige M1



Blue L1



Blue M1



Blue D1



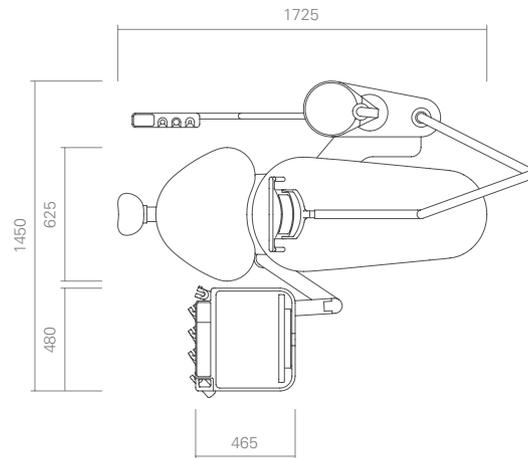
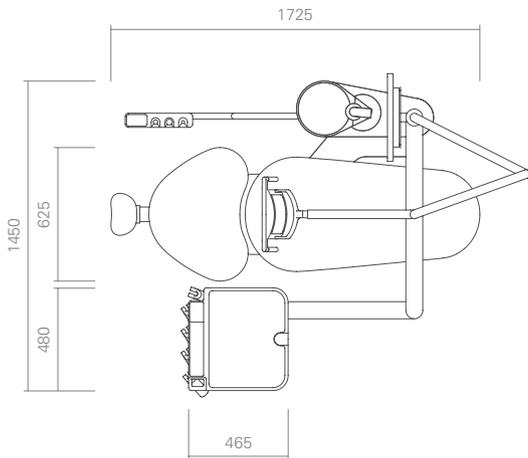
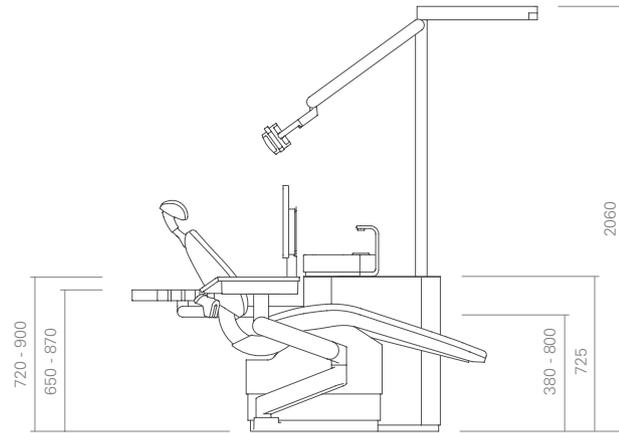
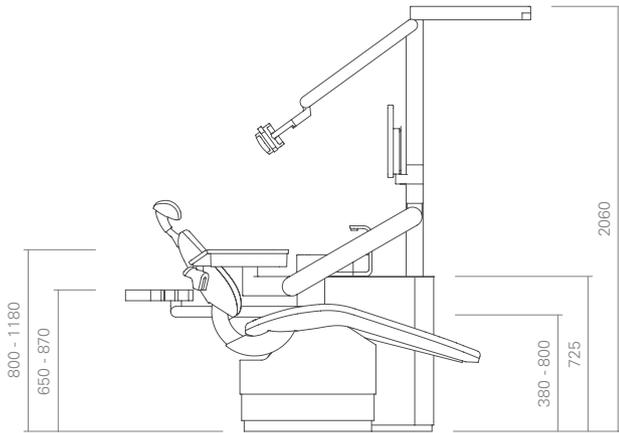
Green L1



Green M1

Choose your upholstery from a range of ten different colours.

# 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 bis 800 mm  
Backrest angle: 0° bis 80°  
Weight: ca. 280 kg to 300 kg

Design: f/p design



Diagnostic/Imaging Equipment

Treatment Units

Handpieces & Instruments

Endodontic Systems

Laser Equipment

Laboratory Devices

Distributed by

**J. Morita Europe GmbH**

Justus-von-Liebig-Straße 27a

63128 Dietzenbach

Germany

Tel. +49 (0)60 74 / 836 - 0, Fax +49 (0)60 74 / 836 - 299

[www.morita.com/europe](http://www.morita.com/europe)

Developed and manufactured by

**J. Morita Mfg. Corp.**

680 Higashihama Minami-cho, Fushimi-ku

Kyoto 612-8533

Japan

Tel. +81 (0)75 / 611 - 2141, Fax +81 (0)75 / 622 - 4595

[www.morita.com](http://www.morita.com)