Due to our policy of constant technological upgrading, the technical specifications may be subject to change without prior notice.

Traditionally excellent
Complete operating freedom through ergonomic versatility
A complete and multifunctional work station
Easy to work with
Dentist’s side

Free to move
With the generous spaces that Skema 5 creates, the dentist is able to move freely around the patient. The dentist’s module support arms in both versions can be placed perfectly according to the treatment situation. This encourages both the dentist and the assistant to maintain a posture which is both correct and natural, thus significantly reducing physical stress and fatigue during the course of the working day.

Smooth movement
On the specifically designed hanging tubes module, the instruments are arranged in a functional manner to facilitate comfortable, easy pick-up and intuitive replacing. As a result, work flow is fast and smooth.

The instruments on the hanging tubes module will remain outside the patient’s field of vision for a more relaxed and peaceful patient approach.
Control panel
Skema 5 adopts a range of technologically advanced instruments that are cutting-edge and exclusive, designed to ensure performance and functions that allow the dental surgeon to approach any clinical need without the slightest worry. The control panel is simple and intuitive and allows the operator to manage all dental unit functions. At any time, the dentist can pre-set the maximum rotation speed for the Micromotor, Turbines and Scaler power. A large LCD display enables graphical read-out and numerical indication of the operator settings.

Handy Power Micromotor
Handy Power is an extremely lightweight, compact brushless micromotor, available with or without LED lighting. Exceptionally quiet and vibration-free, Handy Power requires virtually no maintenance and is highly reliable thanks to brushless technology. Handy Power can be disinfected externally.

Micromotor features:
• 100 up to 40,000 rpm
• possibility of pre-setting maximum speed
Piezosteril 6 / Piezolight 6

Versatile and multifunctional ultrasound handpieces suitable for prophylaxis, endodontics and periodontal procedures. Available with or without fibre optic for LED lighting, the handpieces offer the following performance:

- Perfectly linear, controlled ultrasonic vibration (free from parasitic lateral vibration) with frequency constantly self-regulated according to load and tip condition
- Extensive power adjustment range
- Power is self-adjusting as a function of workload, this prevents heating of the handpiece or cooling liquids
- Coolant delivery adjustable from zero to max flow rate
- Completely autoclavable

Implantor LED Micromotor

Latest-generation brushless micromotor, with its low-noise operation and minimal weight. Implantor LED is vibration-free and characterized by extremely high torque and outstanding reliability. Top performance for all specialist applications. Completely autoclavable.

Micromotor features:
- 100 up to 40,000 rpm with 1:1 ratio
- Electronic torque control up to 5.3 Ncm
- Possibility of pre-setting maximum speed

T-LED

Lightweight, compact curing light with an exclusive design that allows use as both a direct version or 120° angled version.

Features:
- High power LED up to a maximum of 2,200 mW/cm²
- 430 - 490 nm emission band
- 6 pre-set programmes
- Autoclavable light guide
Assistant’s module
• lightweight and handy, the suction cannulae are provided with roller housings
• from the control panel, the patient chair movement, cup and bowl filling, operating light and Autosteril hygiene system activation can all be controlled
• the (optional) assistant’s tray holder module is handily installed next to the assistant’s module
• the cup and bowl filling units and the cuspidor bowl itself can be removed and disassembled to optimize hygienisation procedures
• tray holder module available to replace the cuspidor bowl

During the design phase, different clinical situations that a dentist may come across during a typical day at surgery were analysed, with or without the presence of an assistant. The ergonomic concept of Skema 5 is based on this analysis and is aimed at ensuring numerous practical solutions that will be suited to all types of therapeutic requirements.

The flexibility of the set-up enables staff to operate in a completely free fashion, thus encouraging efficiency and reduced risk factors linked to physical stress. This leads to improved concentration and greater clinical effectiveness.

Assistant’s side

Simply convenient
The ceramic cuspidor bowl rotates to provide greater comfort to the patient. A standby position directly over the unit body avoids any risk that the bowl will get in the way of the dentist.

Practical ergonomics
Ultimate attention has been given to the assistant’s side in order to provide space, operative flexibility and maximum practicality. The module incorporates five housings for instruments and suction cannulae and is built onto an articulated arm giving significant horizontal movement.
Comfort for the patient, practicality for medical staff
Headrest
The generous, double-jointed headrest provides comfort for all patients. Available as an option, the new pneumatic release orbital headrest pivots on three axes and allows quick, precise positioning of the patient’s head. The pneumatic release allows the dentist to shift the headrest vertically along the support rods with ease.

Arm rests
The right-hand arm rest can be rotated forwards to facilitate patient access to the chair. Getting out of the chair is equally as easy. The left-hand arm rest can also rotate forwards, increasing the space available for the assistant if needed. The arm rests are optional features.

Seats
The exclusive C9 anatomical seat is designed to provide a physiologically correct, healthy working position: broad vertical excursion, adjustable thigh support, vertically and horizontally adjustable backrest with compensation system for continuous lumbar support. Also available to the medical team are the comfortable yet practical C7 and C8 seats.

Footrest
Adjustable footrest, made from special anti-bacterial, anti-odour material. It can be extended for taller patients and removed for complete disinfection.

Functional comfort
Skema’s patient chair has been designed to provide the best possible anatomical comfort to the patient. This helps to make the dental team’s task much easier and, furthermore, one can count on specific features which allow perfectly hygienic conditions to be maintained at all times.

Surgical padding
Available as an optional feature, surgical padding will suit patients of any build ensuring proper anatomical support and maximum comfort at all times. Thanks to the characteristics of the material used, the contact surface area increases while the pressure applied to the patient’s body is reduced. The surgical padding has been designed for patient relaxation especially during longer treatment sessions.
Venus LED
Operating lamp with long-lasting, low-consumption LED light source plus 3-axis rotation for perfect illumination of the operating area.
Technical features:
- maximum light intensity 50,000 Lux
- colour temperature: 5,000 K
- potentiometer to adjust light intensity
- No Touch sensor to switch on and adjust
- easy-to-clean hermetically sealed front protective screen
- handles can be cleaned in an autoclave

Venus Plus
High performing operating light with rotation movement on three axes for accurate light adjustment to the oral cavity.
Technical features:
- colour temperature: 4,900 K
- adjustable light intensity from 8,000 to 35,000 Lux
- removable handles suitable for cold-disinfection
- rear fan

Foot controls
The foot control range includes 6 models:
1. Lateral Slide Foot Control (wired/wireless)
2. Pressure-operated Foot Control (wired/wireless)
3. Power Pedal Foot Control
4. Multifunction Foot Control
Being able to control multiple dental unit functions via the foot control demonstrates a conscientious approach to hygiene, one that has ensured the available foot-operated functions include:
- progressive instrument activation
- spray selection
- chip air/water activation
- patient chair direct/programmed movement control
- light on/off (available on multifunction foot control)
- freeze-frame camera

Pedana Suction Stop
By pressing this foot control on the chair base, suction can be temporarily suspended.

Peripheral devices incorporated on the dental unit
A multimedia system for enhanced communication
Multimedia System

Mounted on the dental unit operating light column, the 19" LED monitor with 16:9 format waterproof screen is an excellent high-tech, ergonomic, image-based communication and diagnostic tool. Low-power LED light sources provide excellent contrast and bright colours, making images decidedly sharper.

The Medicalview Monitor is Medical Device 93/42-certified.

C-U2 HD camera

Featuring a system with 7 glass lenses and a 16:9 format HD sensor, the new incorporated video camera allows high definition images to be shown on the monitor directly without any distortion. Designed to give easy access to distal zones, the C-U2 is thin and has a partially retroflexed 90° viewing angle. The extensive depth of field (from 5 to 70 mm) ensures outstanding image sharpness while the touch-sensitive key activates the freeze-frame without causing any vibration.

Medicalview Monitor

Choosing a double-jointed arm lets dentists shift the monitor and position it within the treatment area according to their individual needs (an option particularly recommended for the touch-screen version). In addition to comfortable use for both dentist and assistant, it also ensures greater involvement of the patient when sharing the outcome of treatment via on-screen imagery.

PC connection

The monitor comes ready for connection to a PC via a lead or HDMI connector. On the touch-screen version a USB port provides a further connectivity option.
Cutting-edge systems and design solutions to ensure your safety
Active hygiene devices

**Autosteril S**
The optional Autosteril system ensures disinfection of the spray circuits. It helps hygienisation at the end of a day's session and allows for short cycles to be carried out in the following steps:
- Addition of 3% H$_2$O$_2$ to the spray water circuits
- ‘Hold time’ allowed for liquid to work to intensive disinfection results
- (Mains or distilled) water flushing

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**M.W.B.** - continuous disinfection system coupled to an air gap separation from mains water device in accordance with EN 1717
  - 20 mm separation between mains water system and dental unit lines
  - Water titration with 0.06% H$_2$O$_2$

**S.S.S.** - independent supply to instruments
  - 1.8 litre capacity pressurised tank
  - External tank to facilitate replacement at any time

**A.C.A.** - spray anti-retraction system
  - Prevents contaminant suction during the instrument stopping phase
  - Minimises any patient cross-contamination risk

**S.H.D.** - suction system hygiene procedure
  - Water flushing and hygienisation with a special liquid from a dedicated tank
  - The duration of each cycle (approximately 1 minute) allows for hygienisation between patients

**Time Flushing** - quick flushing of the dental unit body with mains water or separate supply water

*optional*
Before operating any active protection device, several dental unit design features can be used to dramatically reduce the risk of contamination:

- Instrument panel controls protected by disposable film
- Autoclavable silicone instrument support mat
- Removable and disinfectable dentist’s module handle
- Double suction filters with large filtering surface allowing for less frequent draining
- Removable and disinfectable roller housing cannula guides
- Easily removable upholstery for easy, effective hygienisation
- Removable footrest made from Sanitized® material (smooth and easy to disinfect)
- Unit body with smooth, specially treated surfaces making it easier to maintain hygienic conditions
- Removable, heat disinfectable tubes

Protection against Legionnaire’s disease

Water quality can be safeguarded by adding Perley Ag disinfectant, this provides real-time defence against bacterial contamination (e.g., Legionnaire’s disease and other bacteria) and also brings about the conditions that prohibit microbial colonisation and multiplication.

Hygiene products recommended by Castellini:

- Ster 1 Plus decontaminating detergent for surface applications
- Ster 3 Plus decontaminating detergent for surgical suction lines

Passive hygiene systems

V.D.S. – delayed suction stop to allow for internal drying of the tubing.
Over the patient delivery system

Hygiene system
- Autoclavable suction cannulae
- Autoclavable suction canister
- Autoclavable suction canister
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Delivery system
- Hanging tubes
- Hygiene system
- Separate supply system
- Autosteril S (Simple system) for water circuit disinfection
- Multi Water Bio controller (EN 1717-compliant water infeed unit with continuous disinfection system)
- Timed flushing (quick wash cycle of the water circuit)
- Suction hoses disinfection (wash and disinfection of suction system)

Dentist's module
- Kit turbine complete with Silent Power Evo 2L fibre optics handpiece
- Kit turbine complete with Silent Power Evo 4L fibre optics, quick coupling handpiece
- Kit turbine complete with Silent Power Evo Miniature fibre optics, quick coupling handpiece
- Kit Micromotor Handy Power (100 – 40,000 RPM – 3.3 Ncm)
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Assistant's module
- Kit turbine complete with Silent Power Evo 2L fibre optics handpiece
- Kit turbine complete with Silent Power Evo 4L fibre optics, quick coupling handpiece
- Kit turbine complete with Silent Power Evo Miniature fibre optics, quick coupling handpiece
- Kit Micromotor Handy Power (100 – 40,000 RPM – 3.3 Ncm)
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HydraBlue system
- Atlantic blue
- Pacific blue
- Mediterranean blue
- Indian blue
- Caribbean green
- Polynesian green
- Nevada yellow

Surgical padding
- Caribbean green
- Atlantic blue
- Mediterranean blue
- Scottish salmon
- Venetian red
- Venetian red
- Blueberry violet
- Blueberry violet