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

According to the relevant regulations, in the extra-EU areas some products and/or characteristics might have different availability and specifications. Please contact your local supplier.

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Skema 6 allows dentists to address any clinical need, even specialist disciplines, knowing that they can rely on cutting-edge technologies and exceptional ease of use. Designed for the most versatile and demanding dentists, Skema 6 features a wide range of configurations that provide maximum operating comfort.

Technology and performance for professional evolution.
PERFECT POSITIONING FOR ANY STYLE

The model Skema 6 CP is the primary solution for dentists who prefer instruments with hanging tubes. The new design and mobility of the module, together with the flexible ergonomics of the assistant’s unit, make this model adaptable and useful in every situation. Ergonomics and design in one single solution.
FREEDOM OF MOVEMENT

The Cart version offers improved freedom of movement with its slender and essential design, which ensures optimum operational comfort in any environment. Compact design and performance anywhere.
CLINIC CONTROL PANEL
The Clinic version, fitted as standard on Skema 6, enables viewing of data regarding conservative procedures, endodontics and implantology. The control panel records the parameters of the instruments, is equipped with a large database of endodontic burs, controls the patient chair, and manages every inbuilt system easily and effectively. The control panel is water and shock resistant and can provide a 90° turn on the over-the-patient module when the landscape layout is required.

MULTIMEDIA CONTROL PANEL
The optional Multimedia version is compatible with multimedia content and features a USB port. It allows for the management of the operating parameters of any specialist dentistry application, while the dentist can customise every single setting and use the flash drive to save it on a USB stick. The Multimedia control panel is designed to display images and videos. Thanks to its high resolution, the generous size of the display and the possibility to satisfactorily watch the images from every angle, the Multimedia control panel is a practical and advanced interface.

In addition to its user-friendly interface, Skema 6 features a practical and elegant control panel. While both versions feature a 7” capacitive multi-touch display, dentists are free to select either the Clinic model or the Multimedia model, which provides additional multimedia features. The technologically advanced control panel provides greater customisation freedom as for programmes, instruments and data displayed.
Skema 6 provides the dentist with a series of devices and software useful to perform any implant surgery. Only a fully integrated implantology system allows the doctor to optimise the time spent on the chair and focus solely on the operation and the patient. Skema 6 - specifically designed for implantology - is equipped with a powerful induction micromotor, a peristaltic pump and a cutting-edge control panel that makes it possible to quickly customise and store the speed, torque and irrigation rate parameters.

**A SUITE DESIGNED FOR IMPLANTOLOGY**

**OPERATING PARAMETERS**

The display shows only the information relevant to the clinical needs of the moment: all working parameters can be modified with ease at the touch of a finger, thereby leaving the dentist free to focus solely on the operation and the patient.

**PERISTALTIC PUMP**

Integrated into the doctor’s module, it can be easily controlled from the control panel. The device irrigates the operating field with a sterile saline solution for optimum asepsis.

**GOLDSPEED EVO R20-L CONTRA-ANGLE**

Specific for surgery. Autoclavable and thermodisinfectable, it can be disassembled for thorough cleaning. With internal cooling, external spray and LED with integrated generator.

**IMPLANTOR LED MICROMOTOR**

Noiseless and ultra-light, the Implantor LED micromotor is vibration-free and characterised by extremely high torque. With suitable contra-angles, it can deliver up to 70 Ncm.
ENDODONTICS WITHIN FINGERTIP REACH

Skema 6 is equipped with a comprehensive set of instruments, software and features that support endodontics and all the operations related to it. The dentist has access to an extensive database of burs, a specific contra-angle and can manage with precision the operating parameters required to deliver the treatment. The perfect control of the specialist features and the 360° integration of the endodontic system ensure excellent workflow and the positive outcome of the treatment.

RECIPROCATING MODE
Together with the EVO E4 contra-angle, the control mode with alternating rotation allows for the use of RECIPROC®, RECIPROC BLUE® and WAVEONE GOLD® burs.

LAEC - INTEGRATED APEX LOCATOR
The device helps the doctor locate the root apex through an audible and visual signal. Combined with the EVO E4 contra-angle, it also integrates the APEX-STOP function which automatically switches the bur off upon reaching a set safety threshold.

DATABASE
For all traditional endodontic procedures, the control panel is able to automatically set optimum parameters thanks to the inbuilt database of the most common endodontic burs.

EVO E4 CONTRA-ANGLE
Suitable for any type of endodontic treatment, the device is designed to be compatible with Castellini reciprocating mode and with the APEX-STOP function of Castellini apex locator.
EXCELLENT INSTRUMENTS

PIEZOLIGHT 6
Available with fibre optic for LED lighting, the versatile and multifunctional ultrasound handpieces are suitable for prophylaxis, endodontics and periodontal procedures.

- Perfectly linear and controlled ultrasonic vibrations - free from parasitic lateral vibrations - with constantly self-regulated frequency according to load and tip conditions.
- Extensive power adjustment range.
- Self-regulating power based on the workload to prevent heating of handpiece and treated tissues.
- Coolant delivery adjustable from zero to max flow rate.
- Completely autoclavable.

In its 80 years of history, Castellini has developed and improved a set of instruments that can answer any dentistry need. Its handpieces, scalers, syringes and curing lights are characterized by an ease of handling that allows the dentist to operate with precision and safety. Built in compliance with the highest standards, they are designed for conservative dentistry, implant surgery and endodontics.

SURGISON 2
Specifically designed for oral surgery, implantology and osteotomy, it is available with a wide range of accessories for any treatment requirements. Interchangeable with Piezolight 6 and compatible with Piezosteril 6, prior replacement of the tube, the Surgison 2 handpiece is always automatically detected and driven by the dental unit. Completely autoclavable, it provides optional irrigation with sterile fluids for optimum asepsis of the operating field.

SUERGET LIGHT
The curing light can be used as a direct version or 120° angled version. With a high-power LED up to a maximum of 2.200mW/cm² and a 430 to 490nm emission band, the T-LED lamp offers 6 pre-set programmes and a sterilisable optical guide.

SYRINGE
Featuring a streamlined and easy-to-handle design, the syringe provides six functions. The handle and tip are autoclavable.

SILENT POWER TURBINES AND GOLDSPEED CONTRA-ANGLES
Castellini offers a complete set of turbines and contra-angles suitable for any field of dentistry.
OPERATING COMFORT
STARTS FROM THE DESIGN

With Skema 6, Castellini improves ergonomics and pays the utmost attention to the medical staff operating around the dental unit. Every element is engineered to combine a slender design with a compact working unit. This results in a larger working area in the dental practice, improved functional performance of every element, a leaner workflow, and ergonomic solutions specifically designed for dental assistants.

LIGHT AND COMPACT

The dentist's module with over-the-patient delivery is light and easy to move.
- Vertical positioning that can be activated and deactivated by lightly touching the capacitive sensor.
- Increased tubing extension capacity.
- Pivoting tray holder with small footprint that can easily be reached.
- Self-balanced instruments to minimise dentist wrist fatigue.
- Optional end-of-stroke lock system for enhanced freedom of movement.

LEVERS WITH SIDEFLEX TECHNOLOGY

Thanks to the articulated joint of the levers featuring the exclusive SideFlex technology, the instruments are light and easy on recall. The lifting joint enables lateral movements without exercising traction on the operator’s wrist. The levers can be completely disassembled and their balancing and traction during position recalls can be adjusted. The levers with SideFlex technology are available as an option.
ERGONOMICS IN MOVEMENT

**DENTIST’S MODULE**

Instruments are easier to grasp thanks to their position and the different inclination of the central instruments with respect to those placed on the sides. The housings are designed to facilitate the instrument re-positioning and guarantee maximum stability. The sixth instrument can be integrated on the side of the module. The dentist can choose between intraoral camera and curing light, but the application is not available if the Zen X X-ray sensor is installed.

The transthoracic tray holder features a wide supporting surface that does not interfere with the patient. It can be positioned and moved horizontally.

**OPTICAL SENSOR**

Cup filling is completely automated thanks to an optical sensor thereby giving more autonomy to the patient. Together with the new motor-driven cuspidor bowl, it makes rinsing extremely fast.

**ASSISTANT’S MODULE**

The assistant’s module, fitted on a vertically-adjustable double arm, adapts to any working method and is available with 4 or 5 housings. In addition to syringe and suction cannulae, it is also possible to add a camera and a curing light or a dynamic instrument. The position-adjustable tray holder is available as an option.

Designed for dentists who prefer hanging tubes, this compact and easy-to-handle module provides a wide range of comfortable positions around the operating zone. It is equipped with a 7” capacitive multi-touch display and a practical handle that makes horizontal movements easier.
CUSTOMISABLE CHAIR

COMFORT AT HAND
The design of the seat and the backrest increases the patient chair comfort. The backrest features a highly resistant structure with soft padding and a robust and easy-to-clean upholstery. The chair movements are designed to avoid uncomfortable compressions in the lumbar area.

The surgical padding reduces the pressure points on the patient’s body, favouring blood microcirculation and ensuring greater comfort.

PNEUMATIC HEADREST
The exclusive pneumatic release orbital headrest, which pivots on three axes and allows for a quick and precise assisted positioning, is available as an option. The button on the lower side of the headrest activates the movement.

FOOTREST
The adjustable footrest allows for an easy and accurate disinfection.

LATERAL SLIDE FOOT CONTROL
The pedal can be used to activate the Chip Air and Chip Water functions of the instrument in use, reverse the micromotor sense of rotation (when deployed), move the patient chair and switch on the lamp. Available in the wired or wireless version.

PRESSURE-OPERATED FOOT CONTROL
This pedal provides the same functions of the lateral slide foot control to those who prefer the pressure-operated version. In surgical mode, both pedals feature the controls to activate the peristaltic pump and change the programme. Available in the wired or wireless version.

POWER PEDAL FOOT CONTROL
The third pedal includes all the functions of the previous models and is characterised by two additional elements to recall two more stored working positions.

Centre-stage in the operatory is a chair with a wide range of customisation possibilities, from the colour and type of padding to the headrest. In addition, it features a range of foot controls available in the wired or wireless version. Designed to address any dentist’s requirement, this chair ensures maximum comfort to any type of patient.

STYLE IN ERGONOMICS
The shape of the backrest facilitates access to the operating zone both for frontal view and indirect vision. Available as an optional feature, the padded upholstery will suit patients of any build ensuring proper anatomical support and maximum comfort at all times.

COMFORT AT HAND
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The surgical padding reduces the pressure points on the patient’s body, favouring blood microcirculation and ensuring greater comfort.
INTEGRATED DIAGNOSTICS

The main advantage provided by the inbuilt X-ray unit is that it makes diagnostics faster by showing and sharing the information with the patient in real time. The inbuilt system consists of X-ray unit with high-frequency generator and wireless remote control, and HD digital sensor, IP67 certified.

RXDC WITH EXTEND TECHNOLOGY

Thanks to an extensive internal collimation and an extremely small focal spot, the X-ray unit provides high-quality images to quickly make a correct and accurate diagnosis.

The integrated Zen-X sensor, available in two sizes, is housed in the dentist’s module, thereby making the acquisition of intraoral X-ray images faster. In a matter of seconds, the reprocessed image is displayed on the monitor and, if the Multimedia version is installed, also on the control panel of the dentist’s module.
The ability to talk with the patient using cutting-edge instruments and technology inspires confidence, makes the relationship with the patient easier, and shows the results of the treatment more effectively. Castellini’s multimedia system consists of an inbuilt camera with HD sensor and extensive depth of field, as well as a 22” monitor certified by the EEC Medical Devices Directive.

COMMUNICATE WITH STYLE

INTEGRATED HD CAMERA
The integrated camera features a streamlined design for a better use inside the oral cavity, and an ergonomic handle. HD-quality images ensure perfect rendering and maximum investigation accuracy:

• Optical system with 7 glass lenses and 16:9 format sensor.
• Partially retroflexed 90° viewing angle.
• Depth of field from 5 to 70mm.
• Freeze-frame activation through the touch-sensitive key.

The easy-to-attach and remove Macro Cap accessory magnifies up to 100x to deliver detailed and extremely sharp images.

22” LED MONITOR
The 22” LED monitor with 16:9 format, Medical Device 93/42 certified, ensures a perfect view of the images, as well as an easy and comfortable interaction thanks to its ergonomic design and the special IPS panel that provides a wide viewing angle. The images are managed by the new Full Touch Multimedia control panel that allows for the adjustment of the image contrast levels, colours, rotation and zooming. The monitor can be integrated into the dental unit either with a single arm or a double-jointed arm for a greater involvement of the patient and a more comfortable use.
Designed to provide connection to the Internet through Easy Check, Castellini’s dental unit features a range of optional cutting-edge digital services. With the aim of improving the effectiveness of the clinic, each dental unit connected can benefit from a real-time diagnostic service and remote technical support.

**VIRTUAL ASSISTANT**

Di.V.A. (Digital Virtual Assistant) is the virtual assistant which optimises the workflow of your advanced dental practice, in addition to being viewable on PC. Di.V.A. can be easily consulted on smartphones and tablets.

**DASHBOARD**

Through a simple dashboard, the dentist can monitor the dental unit activity in all its functions and analyse the effectiveness of the dental practice. In large dental practices, this is a useful tool to manage significant workloads and plan maintenance activities.
TAILORED LIGHTING

The possibility to adjust light intensity and colour temperature is essential to operate in perfect lighting conditions at any time. With the new Venus LED MCT lamp the settings are tailored according to the circumstances. The lamp rotates on three axes to ensure perfect lighting and avoid any shadow area in the operating field.

EXCEPTIONAL BRIGHTNESS
The new Venus LED MCT lamp rotates on three axes to ensure perfect lighting of the operating field in any practice and position. Featuring exceptional brightness, it makes it possible to set specific values depending on the clinical needs.

The No Touch sensor can switch on, off and adjust the luminous intensity up to 60,000 Lux. The hermetically sealed front protective screen is easy to clean, and the handles can be removed and sterilised in autoclave.

TEMPERATURE ADJUSTMENT
The innovative system makes it possible to illuminate with the right light every clinical discipline, with 3 different temperature values: warm, neutral and cool light.

CRI VALUE
Absolute colour fidelity thanks to a colour rendering that on a 0 to 100 measuring scale stands above 95.

COMPOSITE MODE
The quick and easy activation of the Composite mode prevents the pre-curing of composite materials.

WARM, NEUTRAL AND COOL COLOUR
All the temperature variations, from warm to neutral or cool and vice versa, can be easily activated and always ensure a perfect view of the operating field according to the treatment being performed.

COMPOSITE MODE
This feature changes the light wavelength to prevent the pre-curing of composite materials while ensuring optimum lighting of the operating field.
SKEMA 6 can be equipped with Autosteril, the high-standard automatic disinfection system, for all the spray water circuits. During the cycle, the instruments are stored in an inbuilt receiving area. Used together with Peroxy Ag+, the Autosteril system ensures a mycobactericide, bactericide and anti-Legionella action, certified by the Sapienza University of Rome. The analysis performed proved that the disinfection provided is sufficient to “eradicate all tested microbes from the piping of the dental unit, even with higher contamination levels.” Autosteril helps sanitisation at the end of a day’s session and allows for short cycles to be carried out in the following steps:

- Circuit draining with compressed air;
- Addition of 3% H₂O₂ to the spray water circuits;
- Hold time allowed for liquid to work to intensive disinfection results;
- Liquid draining with compressed air;
- Water flushing (either from mains or distilled).

Since its inception, Castellini has committed to developing cutting-edge devices to guarantee aseptic conditions on the dental unit. Thanks to the close cooperation with the Department for Public Health and Infectious Diseases of the Sapienza University of Rome and the Department for Public Health and Paediatrics of the University of Turin, the hygiene systems available on Skema 6 were improved. The results are automatic and easy-to-manage devices and effective defence to provide patients and colleagues with a clinical environment that is safe all the time.

**M.W.B.**
Reliable and efficient, the M.W.B. system, used in conjunction with Peroxy Ag+, acts against all water-borne contaminants, including Legionella. Tests carried out on a dental unit over a 3-month observation period showed that a regular use of M.W.B. and daily execution of an intensive disinfection cycle with the Autosteril system ensure outstanding water hygiene quality, with bacterial loads kept at zero.

**TIME FLUSHING**
To drain stagnant fluid inside the piping after use, the Time Flushing feature carries out a complete water exchange with a timed flow of the supply fluid.

**S.S.S. BOTTLE**
The stand-alone supply system is equipped with a 1.8 litre capacity pressurised tank, easily accessible from outside to facilitate filling or replacement.

**ADVANCED OPPORTUNITIES**

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Thanks to specific details in the design of every component of Skema 6, patients and medical staff are constantly protected against any risk of contamination. Only an approach that considers comprehensively all the external components of the dental unit and the working environment can correctly deal with the hygiene issue. This is what we do at Castellini.

THE MOST EFFECTIVE HYGIENE SYSTEM

DETACHABLE INSTRUMENT TUBING
Removable and easily disinfectable, the tubes make cleaning and replacement operations easier and faster.

REMOVABLE DENTIST’S MODULE HANDLE
It can be easily removed for maximum hygiene.

REMOVABLE LAMP HANDLES
They can be easily removed and cleaned in autoclave.

REMOVABLE CANNULA GUIDES
The cannula guides on the assistant’s module can be removed to easily disinfect and clean the housings.

CUSPIDOR BOWL
The cup-and-bowl fill unit can be easily removed and sterilised in autoclave. The cuspidor bowl is also removable and autoclavable.

FILTERS + UNIT COVER
Smartly protected by a cover, the filters can be easily removed to facilitate draining and cleaning operations.

THE MOST EFFECTIVE HYGIENE SYSTEM

S.H.D.
The flushing and hygienisation of the suction system with water and a special liquid take approximately 2 minutes: ideal as a cleaning procedure between patients.

ADVANCED OPPORTUNITIES
TECHNICAL SPECIFICATIONS

SKEMA 6

TECHNICAL SPECIFICATIONS

SKEMA 6 CP

SKEMA 6 CART

The measures in the drawings are in millimetres.

COLOUR RANGE

101 Atlantic blue
111 Pacific blue
116 Mediterranean blue
117 Indian blue
120 Caribbean green
123 Polynesian green
125 Polynesian green
126 Nevada yellow
128 Scottish salmon
129 Blueberry violet
130 Japanese wisteria
131 Venetian red
132 Graphite black
133 Anthracite grey
134 Bright silver
137 Bright silver

SURGICAL PADDING

102 Atlantic blue
103 Pacific blue
104 Mediterranean blue
105 Indian blue
106 Caribbean green
107 Polynesian green
108 Nevada yellow
109 Scottish salmon
110 Blueberry violet
112 Japanese wisteria
113 Venetian red
114 Graphite black
115 Anthracite grey
116 Bright silver

SKEMA 6

OVER THE PATIENT

HANGING TUBES

CART

OVER THE PATIENT

Separate supply system
Automated A (Automated) for disinfection of the water circuit
Multi Water Bio controller – Valve (EN 1717-compliant water supply with continuous disinfection system)
Time Flushing [backwash cycle of the water circuit]
Suction hoses Disinfection ( freshmen and disinfection of suction system)

DENTIST'S MODULE

Instrument lever system with Self-Lock technology
Turbine kit complete with Silent Power 4L fibre optics, quick coupling handpiece
Turbine kit complete with Silent Power Evo Miniature fibre optics, quick coupling handpiece
Inhalation Microscope (LED fibre optics kit 200 - 4000 rpm – 5.3Ncm)
Portable pump kit with saline solution irrigation set
Plasiflex 4 suck set complete with 4 tips
Plasiflight 4 sucker set fibre optics with 4 tips
Surgison 2 surgical ultrasonic kit
LASP (Integrated Apex Locator)
Piezos for Implantor LED motor-Reciprocating Mode
T-LCD curing light kit
Instrument lever strip kit
4-way stainless steel syringe kit
4th instrument kit (curing light or camera handpiece)
Integrated 3-way sensor

ASSISTANT'S MODULE

T-LCD curing light kit
2-way stainless steel syringe kit
6-way stainless steel syringe kit
Rinseable and shortable suction tubes
Removable and interconvertible suction cannulae
Assistant's module with 4 housing and capacitive keypad mounted on self-balancing arm
Assistant's module with 5 housing and capacitive keypad mounted on self-balancing arm
T-LED curing light kit

OPERATING LIGHT

Venus LED MCT lamp

UNIT BODY

Swivel and removable motor-driven cuspidor bowl
Cup filling sensor
Water-in-cup heater
Instrument spray heater
Cannulae independent selection
All-water supply quick coupling for external devices
Multimedia cables and PC connections

PATIENT CHAIR

Foot control, Power Pedal type

ADVANCED OPPORTUNITIES

Supply as standard – Optional – Not available

- supplied as standard –  = optional –  = not available

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