PUMA <u>AMBIDEXTROUS</u>



PERFECT POSITIONING FOR ANY STYLE

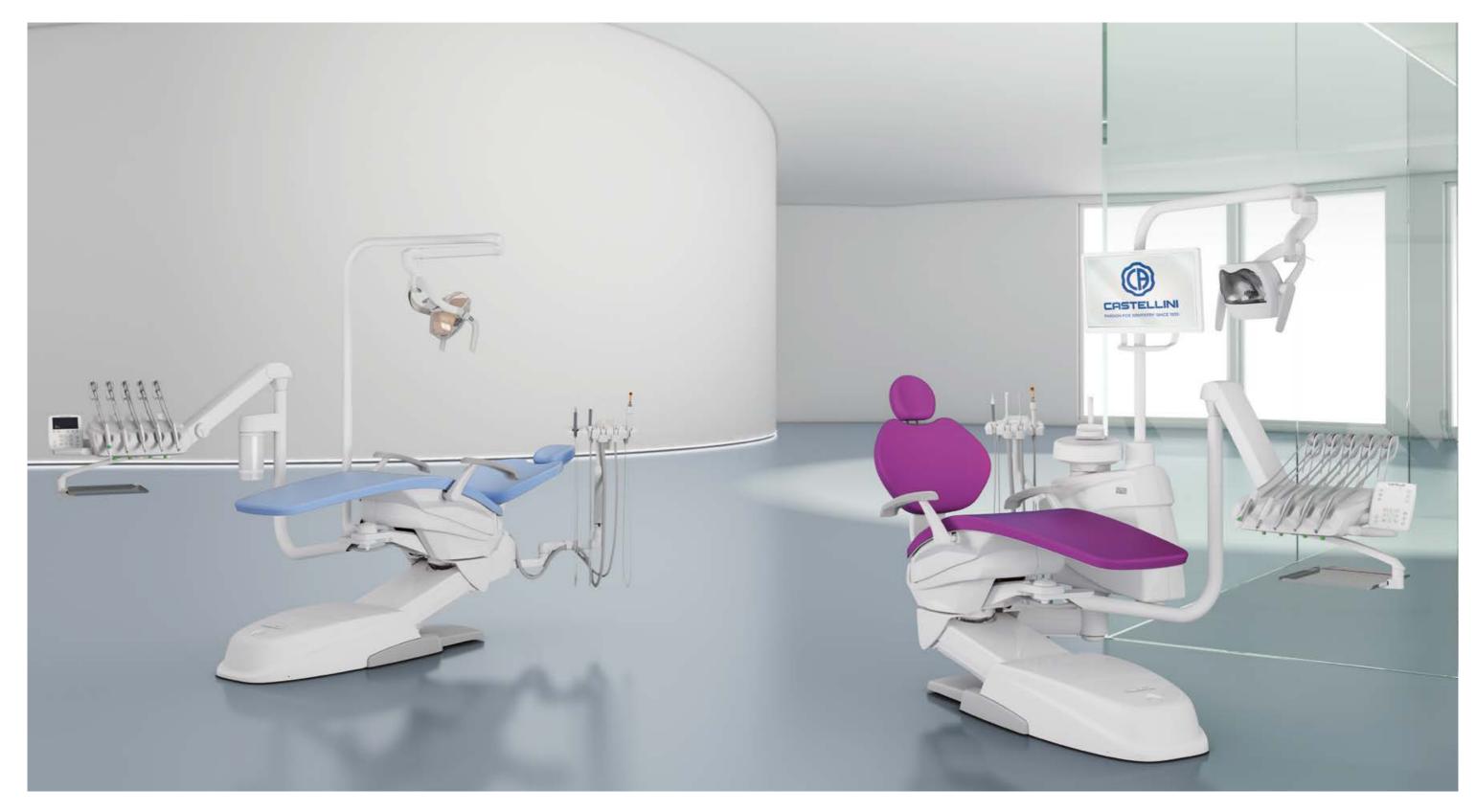




STREAMLINED VERSATILITY

Compact, light and practical - also in the switchover from right-handed to left-handed user configuration - the Puma ELI Ambidextrous dental unit retains an essential streamlined style and ensures performance always meets the dentist's every clinical requirement.

Free to change.



Essential and balanced, the hanging tubes model ensures maximum flexibility on both the dentist's and assistant's sides. Fluid module movements and an extension of the arm system allow personnel to reach all around-the-patient working positions with ease. Free to move.

BALANCE AND COMFORT



For dentists seeking a tool that will provide full working freedom, the Cart or Single Cart solution gives dentists outstanding comfort. Practical in any clinical circumstance, Cart is suitable for any surgery, even where there are considerable space restrictions. Working without restrictions.

WORKING FREEDOM



VERSATILITY, ANYWHERE

The most versatile solution in the Castellini range, the Puma ELI Ambidextrous lets dentists personalise the dental unit according to their individual needs. While it can be used on its own, the patient chair can also be completed with the assistant's side, suction and a light complete with multimedia workstation. An orthodontics version is also available.

The right combination is simply a matter of choice.

Managing space.







INSTANT REVERSIBILITY





Sequence simplicity and the lightness of the parts being moved mean the dentist and assistant sides can be inverted with just a few simple adjustments. Switchovers can be performed by either dentist or assistant, alone and with ease. The dentist's module can be moved to the opposite side of the unit in just a few seconds by rotating it on the fixed pin under the seat.

Simply remove the cover to release the unit body support, which shifts from one side of the unit to the other with a simple transfer movement.









COMFORT ABOVE ALL ELSE

This model - which remains compact and suitable for less spacious surgeries even though it can be converted for left-handed use - is built to be practical and versatile. Quickswitch reversibility ensures the dental team can take advantage of optimal ergonomics. Thanks to the outstanding agility of the relative arms, the module can be positioned to meet every clinical need.





DENTIST'S MODULE

The module for over-the-patient delivery instruments can be positioned effortlessly, accompanying the dentist's every move. Thanks to the articulated joint of the levers, instruments are light and easy on recall.

SIDEFLEX TECHNOLOGY

The SideFlex tilting 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.



CC1 B

RE-POSITIONABLE CONTROL PANEL

To complete the transformation and make the dental unit fully ambidextrous, the optional LCD Touchscreen lets users shift the control panel to the other side of the dentist's module, thus optimising operational ergonomics. After detaching it, just rotate the connector 180° and reconnect it to the module.



TRAY HOLDER

The stainless steel tray holder rotates and can easily be removed from the swivel support for sanitisation purposes. A compact version (see photo above) of minimum size and bulk is available.

<u>UNHINDERED MOVEMENT</u>

The Puma ELI Ambidextrous with hanging tubes has an arm system that allows the dentist's module to be positioned anywhere within an extensive operating area, to the patient's right or left. The assistant's module is, thanks to the extensive support arm, always readily available for use during treatment whether an assistant is present or not.



The layout has specifically been designed to facilitate pick-up; for example, instruments are placed in holders with tilt angles that vary from the central holders to the outer ones.

Designed to facilitate instrument re-positioning, the holder always ensures maximum stability. Featuring a wraparound shape and ergonomic design, the handpiece holder smooths the dentist's workflow.







SIXTH INSTRUMENT

To the side of the module the dentist can add the intraoral camera or curing light.



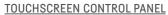
TRANSTHORACIC TRAY HOLDER
The optional transthoracic tray holder features a broad support surface that does not interfere with the patient. It can be positioned and moved horizontally.

PERFECT POSITIONING FOR ANY STYLE PUMA ELI AMBIDEXTROUS

IMMEDIATE CONTROL

To make the dentist's work easier and treatment more efficient, it's important to be able to control instruments and integrated systems via a simple, user-friendly console. Dentists can monitor and set operating parameters via the touchscreen with alphanumeric keyboard and X-ray viewer or with an optional advanced-function LCD Touchscreen.





Puma ELI Ambidextrous is equipped with a new instrument control panel with touchscreen and integrated X-ray viewer. An alphanumeric display allows for smooth conservative dentistry function management, providing essential data and allowing operating parameters to be set directly. The "clean" button temporarily disables the touchscreen to allow sanitisation.

The optional panel with LCD Touchscreen allows for memory programming, endodontic functions (where there is a dedicated micromotor) and the display of the integrated apex locator.







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.



EVO E4 CONTRA ANGLE

CASTELLINI

ELI A

Suitable for any type of endodontic treatment, the device features the Castellini apex locator APEX-STOP function.



ENDODONTICS

Together with a dedicated contraangle, Puma ELI Ambidextrous with LCD Touchscreen integrates software and functions to support endodontic practices and related treatments. For all traditional endodontic procedures, the LCD Touchscreen can automatically set and store optimum operating values.

PERFECT INTEGRATION

Complete integration of instruments is essential for optimising surgery workflows. Setting operational parameters via the control panel is extremely user-friendly. Moreover, the degree of personalisation, together with the intrinsic quality of the handpieces, boosts therapeutic efficacy and efficiency.



HANDY POWER MICROMOTOR

Handy Power is an extremely lightweight, compact brushless micromotor, available with or without LED lighting. Handy Power offers silent running and is vibration-free. Requires only minimal maintenance thanks to the exceptional reliability of brushless technology. Suitable for conservative and prosthetic dentistry.

- · Speed from 100 up to 40,000 rpm with 1:1 ratio
- Maximum torque up to 3.3 Ncm
- · Possibility of pre-setting maximum speed





IMPLANTOR LED MICROMOTOR

A latest-generation brushless micromotor, the Implantor LED is noiseless, ultralight, vibration-free and characterised by extremely high torque and outstanding reliability. Performance is outstanding and, with the right contra-angle, it can also be used for endodontics (with the LCD Touchscreen).

- Speed from 100 up to 40,000 rpm with 1:1 ratio
- Electronic torque control up to max. 5.3 Ncm
- · Completely autoclavable.
- · Possibility of pre-setting maximum speed and maximum torque



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.



SYRINGE

The curing light can be used as a straight or Featuring a streamlined and easy-to-handle 120° angled version. With a high-power LED design, the syringe is available both in the three-way and the optional six-way version. The handle and tip are autoclavable.



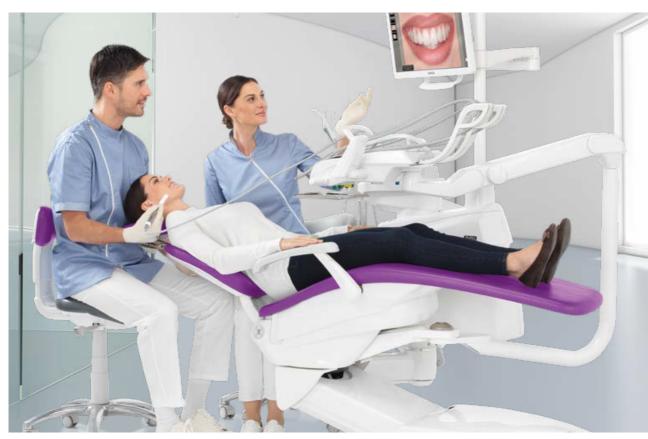
SILENT POWER TURBINE AND GOLDSPEED CONTRA-ANGLES

Castellini offers a complete set of turbines and contra-angles suitable for all fields of dentistry.

up to a maximum of 2,200 mW/cm² and a 430 to 490 nm emission band, the T-LED lamp offers 6 pre-set programmes and a sterilisable optical guide.

COMFORT FOR ALL

Comfort for patient and staff alike is a must, contributing to excellent outcomes, however serious or superficial the treatment. Patients who feel at ease will be more collaborative, providing benefits for the dental team too. That's why the Puma ELI Ambidextrous has been designed to maximise patient comfort.



THE BENEFITS OF WELL-BEING

Thanks to compensated movements between backrest and seat, the patient chair accompanies the patient gently, minimising compression in the lumbar area. Fluid movement - especially during starts and stops - is always reassuring and creates a sensation of well-being during treatment.

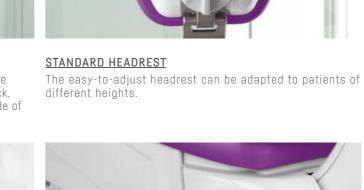
Available as an optional feature, the padded upholstery adapts to patients of any build, ensuring proper anatomical support and maximum comfort at all times.





PNEUMATIC HEADREST

Available as an optional, the exclusive pneumatic-release orbital headrest pivots on three axes and allows for quick, precise assisted positioning. The button on the lower side of the headrest activates the movement.



SUCTION STOP

Comfortably within reach of both dentist and assistant: when pressed, the patient chair base acts as a suction-disabling pushbutton.



KEYPAD

Located on the side of the seat, this keypad lets users control patient chair movement and allows set positions to be saved and recalled.



LATERAL SLIDE FOOT CONTROL

This device lets dentists control Chip Air and Chip Water functions on the instrument in use, invert micromotor rotation (when extracted), control patient chair movement and switch on the operating light. Cabled and wireless versions available.



PRESSURE-OPERATED FOOT CONTROL

For those who prefer a pressure-operated version, this foot control provides the same functions as the lateral slide foot control. Cabled and wireless versions available.



POWER PEDAL FOOT CONTROL

The third foot control includes all the functions of the previous models and is characterised by two additional elements to recall two more saved working positions. Cabled and wireless versions available.

THE IMPORTANCE OF THE ASSISTANT

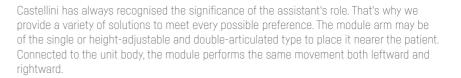


ASSISTANT'S MODULE

The assistant can manage a wide range of functions via the on-module control panel. This lets dentists focus their attention on actual treatment. In addition to patient chair movement controls, there are also controls for the lighting, cuspidor bowl and Autosteril system.

The assistant's module can be equipped with an optional stainless steel tray holder.









OPTICAL SENSOR

Cup filling is completely automated via an optical sensor, giving the patient greater autonomy. Made of ceramic, the cuspidor bowl is position-adjustable to provide maximum rinsing comfort.



PERSONALISED CONFIGURATIONS

The assistant's module can be adapted to clinical situations in which treatment is performed by dentists working alone or with an assistant. It is available with 4 or 5 holders. In addition to syringe and suction cannulae, it is also possible to add a camera and a curing light or a dynamic instrument.

WIDE SELECTION OF OPERATING LIGHTS



VENUS LED MCT LAMP

Featuring exceptional brightness, this lamp makes it possible to set specific temperature values as per clinical requirements: warm, neutral or cool light. The No Touch sensor can switch the lamp on/ off and adjust light intensity up to 50,000 Lux. The hermetically sealed front screen is easy to clean, and the handles can be removed and sterilised in an autoclave.

In composite mode the light wavelength is modified to prevent precuring of the composite materials, simultaneously ensuring optimal lighting of the operating area.



Castellini offers dentists a wide selection of Venus series lamps with a broad performance range. All lamps are designed to be easily adjustable, ergonomic and let dentists select the lighting level that best suits their clinical needs. In addition to the supplied standard Venus E LED lamp, three other models can be fitted as optional equipment items.



VENUS E LED LAMP

Supplied as standard with 3-axis movement, front panel, removable handles and six LED sources to minimize shadows. Light intensity can also be set, via the sensor, within the 7,000 - 40,000 Lux range. The No Touch sensor lets the user switch the lamp on/off without touching any button.



VENUS PLUS LAMP

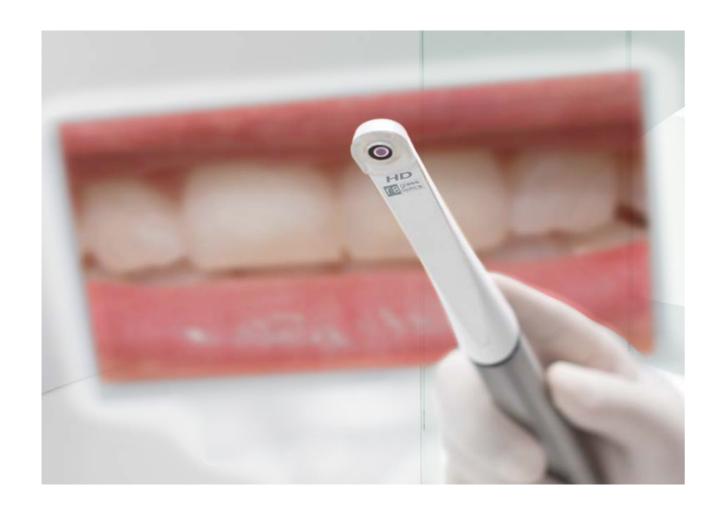
axis rotation for precision adaptation of spotlight to the oral cavity. Adjustable light intensity from 8,000 to 35,000 Lux. Colour temperature 4,900 K, rear fan, removable handles suitable for cold-disinfection.



VENUS LED LAMP

High-performing operating light with three- This LED operating light rotates on three axes, is equipped with the No Touch sensor to switch it on and adjust light intensity and features an easy-to-clean hermetically sealed front screen. Max. 50,000 Lux, colour temperature 5,000 K, autoclavable

INTEGRATED MULTIMEDIA SYSTEM



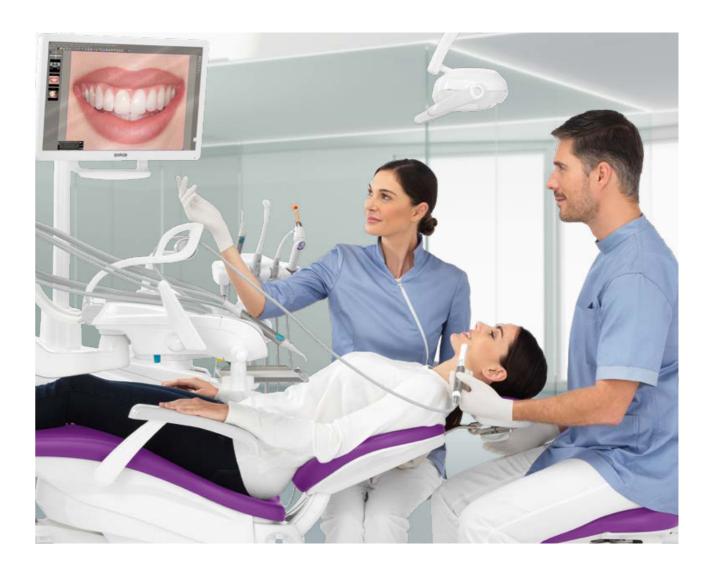
INTEGRATED VIDEO CAMERA

The camera features a streamlined design to improve use inside the oral cavity; it also has an ergonomic handle. HD-quality images ensure perfect rendering and maximum investigation accuracy. The optical system has a depth of field of 5 - 70 mm. The 16:9 HD sensor adapts perfectly to the LED monitor aspect ratio. The freeze-frame function is activated via the touch-sensitive key.

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









X-RAY SENSOR

The integrated Zen-X sensor, available in two sizes, is housed in the dentist's module, thus speeding up acquisition of intraoral X-ray images. In just a few seconds the reprocessed image is displayed on both monitor and control panel



22" LED MONITOR

A Certified Medical Device (as per EU directive 93/42), the monitor ensures perfect image display and simple interfacing. Users are provided with a broad viewing angle thanks to ergonomic design and the special IPS panel. It can be integrated in the dental unit with either a single arm or a double-jointed arm for more flexible use.



OUTSTANDING ERGONOMICS

Choosing the (optional) double-jointed arm lets dentists shift the monitor and position it within the treatment area according to their needs. In addition to comfortable use for both dentist and assistant, it also ensures greater involvement of the patient via on-screen imagery.

Thanks to close collaboration between Castellini and universities, the hygiene devices developed for Puma ELI Ambidextrous are cutting-edge and ensure a safe clinical environment at all times. As a result of long-term research and analysis, the Autosteril system is certified.

USER-FRIENDLY **CERTIFIED SYSTEMS**



AUTOSTERIL

Puma ELI Ambidextrous can be equipped with Autosteril, the high-standard automatic disinfection system for all the spray water circuits.

Used together with Peroxy Ag+, the Autosteril system ensures a mycobactericide, bactericide and anti-Legionella action, certified by the Sapienza University of Rome. Analysis has demonstrated that the disinfection provided is sufficient to "eradicate all tested microbes from the piping of the dental unit, even with higher contamination levels."



DVGW

DVGW CERTIFICATE

The dental unit body is EN 1717 compliant.





AUTOSTERIL HELPS SANITISATION AT THE END OF A DAY'S SESSION AND ALLOWS SHORT CYCLES TO BE PERFORMED VIA THE FOLLOWING STEPS:

- · circuit draining with compressed air;
- addition of 3% H₂O₂ to the spray water circuits;
- · a liquid 'hold time' suitable for intensive disinfection;
- · liquid expelled with compressed air;
- (mains or distilled) water flushing.



TIME FLUSHING

To drain stagnant fluid from the piping after
The stand-alone supply system is equipped use, the Time Flushing feature carries out a with a 1.8 litre capacity pressurised tank, complete water exchange with a timed flow easily accessible from outside to facilitate of the supply fluid.

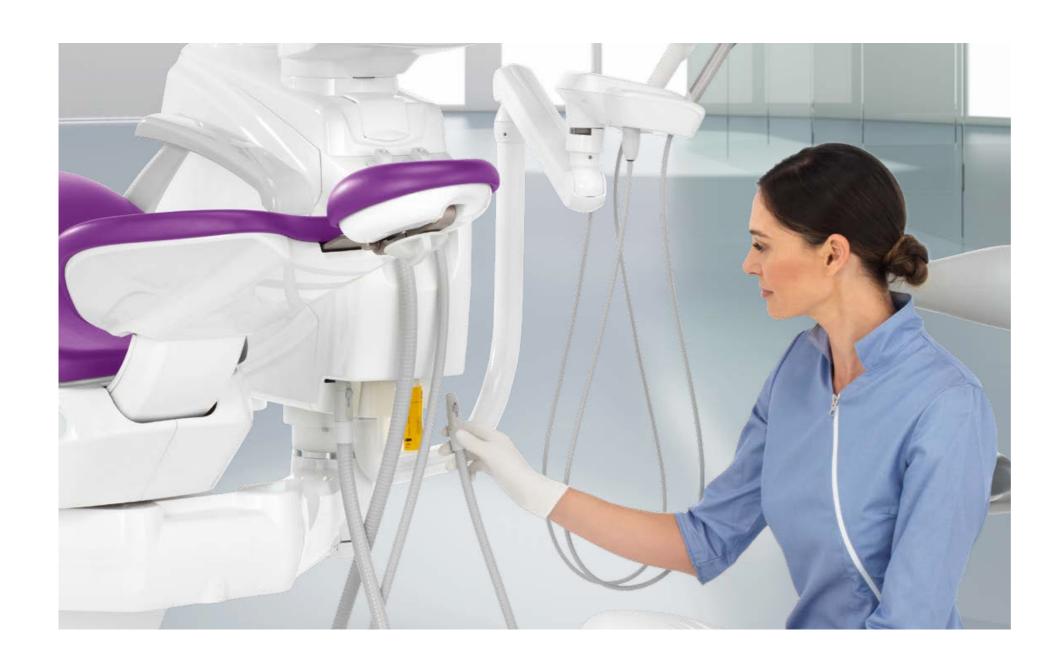


S.S.S. BOTTLE

filling or replacement.

CONSTANT PROTECTION

Only constant protection can effectively contrast potential contamination risks in the surgery and around the patient chair. Designed using elements and strategies that give both patient and dental team constant protection, Puma ELI Ambidextrous surfaces are built to meet all sanitisation needs. Moreover, numerous removable components help keep the workplace healthy and, as far as possible, risk-free.





Flushing and sanitisation of the suction system with water and a special liquid take approximately 2 minutes: ideal as a between-patients cleaning procedure.





CUSPIDOR BOWL

The cup-and-bowl-fill unit can easily be removed and sterilised in an autoclave. Note that the cuspidor bowl handle is removable and autoclavable.





REMOVABLE LAMP HANDLES

Venus E operating light handles can be removed easily for thorough cleaning.



The supplied tubing is light and flexible. Alternatively, easy-to-sanitise smooth twinchamber suction tubing is available.





DOUBLE FILTER

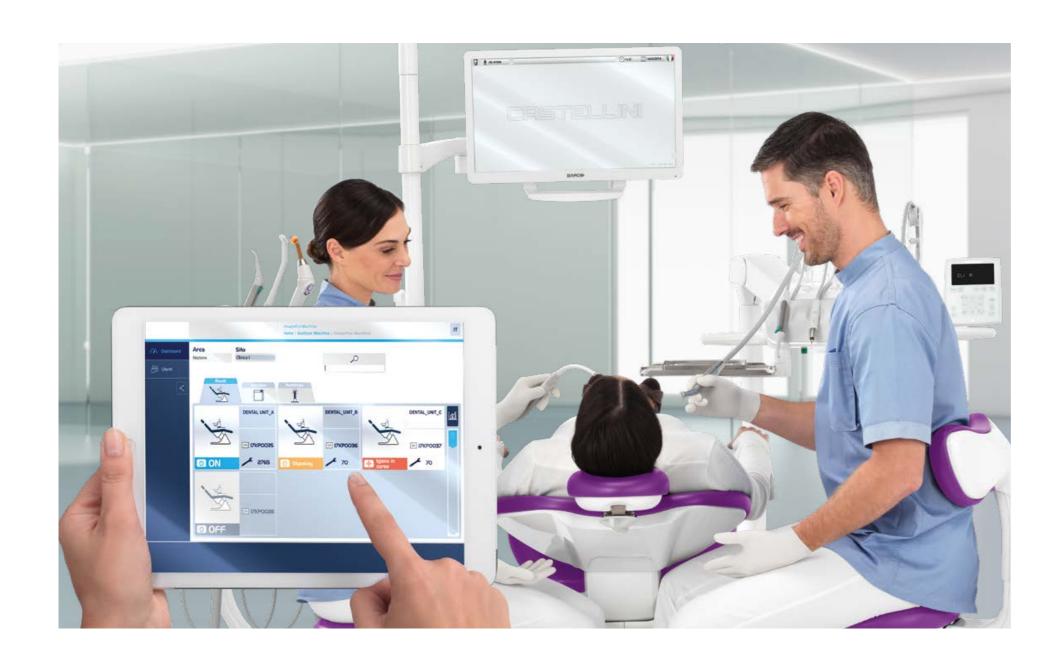
Feature allowing independent cannulae selection; the filters can easily be removed to facilitate draining and cleaning operations.

REMOVABLE, AUTOCLAVABLE HANDLES

Can be easily removed for maximum hygiene.

A CONNECTED SURGERY

Designed to provide connection to the Internet through Easy Check, the Castellini dental unit features a range of optional cutting-edge digital services. To improve efficiency within the surgery, each dental unit can rely on a real-time remote troubleshooting and technical support service.





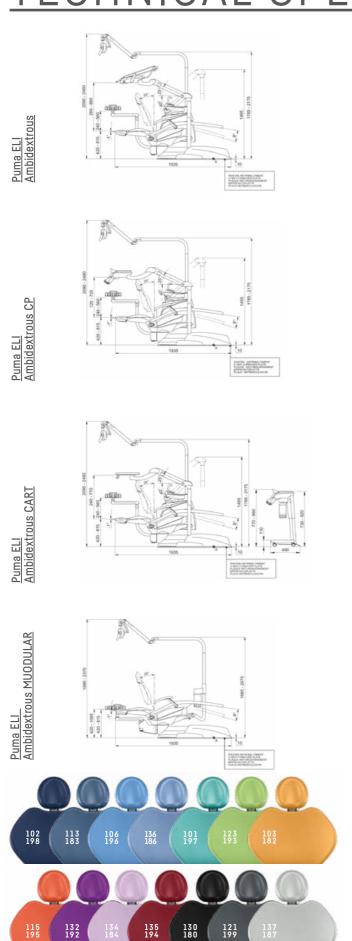
DASHBOARD

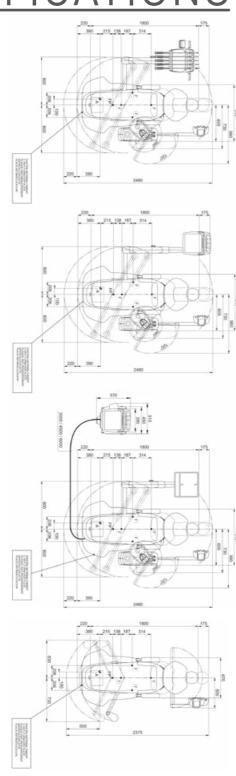
A simple dashboard lets the dentist monitor dental unit activity across all functions and analyse dental practice efficiency. In larger surgeries this is an excellent tool for managing significant workloads and planning maintenance.

VIRTUAL ASSISTANT

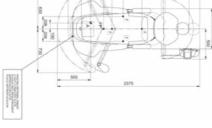
Di.V.A. (Digital Virtual Assistant) is a virtual assistant that optimises the workflow in advanced dental practices. In addition to being viewable on a PC, Di.V.A. can be easily consulted on smartphones and tablets.

TECHNICAL SPECIFICATIONS





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- COLOUR RANGE
 102 Atlantic blue
 113 Pacific blue
 104 Mediterranean blue
 105 Indian blue
 106 Caribbean green
 107 Polynesian green
 108 Nevada yellow
 119 Scottish salmon
 130 Blueberry violet
 134 Japanese wisteria
 135 Venetian red
 130 Graphite black
 121 Anthracite grey
 137 Bright silver

- SURGICAL PADDING

 198 Atlantic blue

 183 Pacific blue

 196 Mediterranean blue

 186 Indian blue

 197 Caribbean green

 193 Polynesian green

 182 Nevada yellow

 195 Scottish salmon

 192 Blueberry violet

 184 Japanese wisteria

 194 Venetian red

 180 Graphite black

 199 Anthracite grey

 187 Bright silver



Puma ELI Ambidextrous	Over the patient delivery system	<u>Hanging</u> <u>Tubes</u>	<u>CART</u>	MODULAR OPT	MODULAR HT	MODULAR CART
HYGIENE SYSTEM						
Separate Supply System	0	0	0	0	0	0
Autosteril A (Automatic) for disinfection of the water circuit	0	0	0	-	-	-
Timed Flushing (quick water circuit flush cycle)	0	0	0	-	-	-
Suction Hose Disinfection (suction system wash and disinfection)	0	0	0	-	-	-
DENTIST'S MODULE						
LCD control panel	0	0	0	0	0	0
Turbine KIT complete with Silent Power Evo 2 handpiece	•	•	•	•	•	•
Complete turbine kit with Silent Power Evo 4L fibre optics, quick coupling handpiece	0	0	0	-	-	-
Complete turbine kit with Silent Power Evo Miniature fibre optics, quick coupling handpiece	0	0	0	0	0	0
Handy Power induction Micromotor Kit (100 - 40,000 RPM - 3.3 Ncm)	•	•	•	•	•	•
Handy Power LED fibre optics induction Micromotor Kit (100 - 40,000 RPM - 3.3 Ncm)	0	0	0	0	0	0
Implantor LED induction Micromotor fibre optics kit (100 - 50,000 rpm - 5.3 Ncm)	0	0	0	0	0	0
Piezosteril 6 scaler kit complete with 4 tips	0	0	0	0	0	0
Piezolight 6 scaler kit with fibre optics with 4 tips	0	0	0	0	0	0
T-LED curing light kit	0	0	0	0	0	0
Instrument lever stop kit	0	-	-	0	-	-
3-way stainless steel syringe kit	•	•	•	•	•	•
6-way stainless steel syringe kit	0	0	0	0	0	0
Integrated X-ray sensor	0	0	-	0	0	-
LAEC	0	0	0	0	0	0
ASSISTANT'S MODULE						
T-LED curing light kit	0	0	0	0	0	0
3-way stainless steel syringe kit	0	0	0	0	0	0
6-way stainless steel syringe kit	0	0	0	0	0	0
Removable and disinfectable suction tubes	•	•	•	•	•	•
Removable and autoclavable suction cannulae	•	•	•	•	•	•
Assistant's module with 4 holders and capacitive keypad, mounted on single arm	•	•	•	-	-	-
Assistant's module with 4 holders and capacitive keypad, mounted on double arm	0	0	0	-	-	-
Assistant's module with 4 holders and capacitive keypad, mounted on double arm and height-adjustable	0	0	0	0	0	0
Assistant's module with 5 holders and capacitive keypad, mounted on single arm	0	0	0	-	-	-
Assistant's module with 5 holders and capacitive keypad, mounted on double arm	0	0	0		-	-
Assistant's module with 5 holders and capacitive keypad, mounted on double arm and height-adjustable	0	0	0	0	0	0
Tray holder table on assistant's module	0	0	0	-	-	-
OPERATING LAMP				•		
Venus E LED lamp	•	•	0		•	0
Venus Plus lamp Venus LED lamp	0	0	0	0	0	
Venus LED MCT lamp	0	0	0	0	0	0
UNIT BODY				0	0	0
Removable and position-adjustable cuspidor bowl	•	•	•	-	_	_
Cup filling sensor	0	0	0	-	_	-
Water-to-cup heater	0	0	0	-	-	-
Instrument spray heater	0	0	0	0	0	0
Independent cannulae selection	0	0	0	-	-	-
Quick coupling for air/water supply for external device	0	0	0	0	0	0
Multimedia cables and PC connections	0	0	0	0	0	0
Tray holder table in place of bowl	0	0	0	-	-	
PATIENT CHAIR	Ü	, ,	<u> </u>			
Pneumatic release headrest with 3-axis movement	0	0	0	0	0	0
Double-jointed headrest with 2-axis movement	•	•	•	•	•	•
Lateral slide foot control complete with joystick	•	•	•	•	•	•
Lateral slide foot control complete with joystick - wireless	0	0	0	0	0	0
Pressure-operated foot control with Joystick and spray on/off kit	0	0	0	0	0	0
Pressure-operated foot control with Joystick and spray on/off kit - wireless	0	0	0	0	0	0
Foot control, Power Pedal type	0	0	0	0	0	0
Foot control, Power Pedal type - wireless	0	0	0	0	0	0
Left armrest	0	0	0	0	0	0
Right armrest	0	0	0	0	0	0
	-	-	-	-	-	

PUMA ELI AMBIDEXTROUS PERFECT POSITIONING FOR ANY STYLE = supplied as standard O = optional - = not available