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CASTELLINI.COM

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PUMA ELI R UNMISTAKEABLE DESIGN

AND

AUTHENTIC

VERSATILITY

CASTELLINI.COM



AND AUTHENTIC VERSATILITY



intrinsic reliability and quality. Streamlined essentiality.

ESSENTIAL STYLE



The essential nature of Puma ELI R lets dentists perform their everyday work with calm and ease. Extremely manageable, compact and packed with ergonomic features to smooth the treatment process, Puma ELI R is also the right solution for those seeking

clinical circumstances. The pleasure of balance.

BALANCED DESIGN



Fluid movements and outstanding ergonomics to meet the needs of dentists who work with hanging tubes. The CP model is compact and features a dentist's module that can be positioned anywhere around the patient to make treatment easier whatever the

PRACTICAL VERSATILITY



Maximum operating freedom in the surgery demands a flexible solution that lets dentists work comfortably in any situation. With the Cart or Single Cart model, the dentist is free to select the most comfortable position and enjoy the absolute practicality of an independent solution.

The benefit of versatility.



Single Cart

TAILOR-MADE FOR ORTHODONTISTS

Designed for orthodontists, Puma ELI R ORTHO benefits from a design that meets the dentist's specific needs during orthodontic treatment. The optional tray holder can reach the operating area with ease thanks to the mobility and extension of the arms. The assistant's side is ready for 1 or 2 dynamic instruments, controlled via a convenient display.

Set up for orthodontics.



Module with dynamic instruments.



Large tray holder



progress.

COMPACT DESIGN SUITABLE FOR ANY SURGERY



DENTIST'S MODULE

Light and manageable, the dentist's module for over the patient delivery instruments can be positioned effortlessly, accompanying the dentist's every move.

Pressing the on-handle button (optional) lets the dentist quickly adjust the height of the instruments to work in complete comfort.





TRAY HOLDER

The stainless-steel tray holder table can rotate to be placed within easy reach of medical staff. It can be easily removed from the swivel support for sanitisation purposes. A compact tray of minimum size and bulk is operating field. Moreover, instrument lever available as an alternative.



BALANCED INSTRUMENTS

The instruments are self-balanced to avoid any traction on the dentist's wrist, while the tubes feature increased extension capacity to minimise unnecessary movements in the length is limited to avoid any interference with the operating light. Optional end-ofstroke lever lock system available.

Extremely compact, Puma ELI R is also suitable for surgeries requiring equipment that is as small as possible. Perfect also for narrow surgeries, the dental unit has been designed to ensure excellent mobility of the various elements. This means the dentist always works with the instrument module in the position best suited for the treatment in





SIXTH INSTRUMENT To the side of the module the dentist can

add the intraoral camera or curing light.

SMOOTHER WORKFLOW THROUGH IMPROVED MOBILITY



DENTIST'S MODULE

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.





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

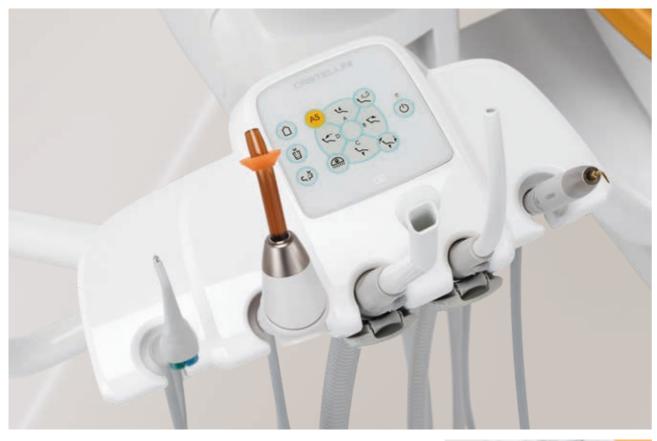


SIXTH INSTRUMENT The sixth instrument can be integrated on the side of the module. The dentist can choose between the intraoral camera and the curing light.

The CP model with dentist's module for hanging tube instruments can reach any working position with ease thanks to the extremely agile arm system. The dentist can also work in indirect vision mode, with or without an assistant.



AN ADVANCED, CUSTOMISED ASSISTANT'S SIDE



ASSISTANT'S MODULE

The assistant can manage a wide range of functions via the onmodule 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.







POSITION-ADJUSTABLE CUSPIDOR <u>BOWL</u>

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.



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. The position-adjustable tray holder is available as an option.

With Puma ELI R, Castellini makes the most of the assistant's role and provides an array of solutions to suit every preference. The module arm may be of the single or doublearticulated type to place it nearer the patient or the dental unit body.

ASSISTANT'S MODULE

makes treatment flows more efficient.

INSTRUMENTS UNDER CONTROL



TOUCHSCREEN CONTROL PANEL

Puma ELI R is equipped with a new instrument control panel with touchscreen display 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.









T-LED

SYRINGE

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.

Featuring a streamlined and easy-to-handle design, the syringe is available both in the three-way and in the optional six-way

PUMA ELI R

To optimise chair-side workflows it's important to be able to rely not just on perfectly integrated instruments but also on direct control via a user-friendly instrument control panel. Being able to monitor and set operating parameters via the touchscreen also

PIEZOLIGHT 6

Available with or without fibre optic for LED lighting, the versatile and multifunctional ultrasound handpieces are suitable for prophylaxis, endodontics and periodontal procedures.

- Extensive power adjustment range.
- Power self-adjustment according to workload.
- · Coolant delivery adjustable from zero to max flow rate.
- Completely autoclavable.

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



version. The handle and tip are autoclavable. dentistry.



SILENT POWER TURBINE AND GOLDSPEED CONTRA-ANGLES

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

COMFORT ABOVE ALL ELSE

Successful treatment depends on ensuring comfort for patient and medical staff alike. If a patient feels at ease, he/she will always be more collaborative. That's why Castellini has perfected working ergonomics by designing a patient chair that ensures operating convenience for the dentist and comfort for the patient.



THE CENTRE OF WELL-BEING

The comfort concept starts with the patient chair, which features a silent motor rated to lift patients weighing up to 190 kg. Sturdy yet slimline and with just the right compensation between backrest and seat movements, the patient chair accompanies the patient gently, minimising the compression effect in the lumbar area. With extremely fluid starts and stops, chair movements remain reassuring at all times.

Available as an optional feature, surgical padding will suit 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 suctiondisabling pushbutton. Available as an optional, the extension-adjustable footrest allows for easy, thorough disinfection.



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. Both devices also provide, in surgery mode, peristaltic pump activation and programme changeover controls. Cabled and wireless

versions available.

STANDARD HEADREST

FOOTRESTS



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.

equipment items.

THE RIGHT LIGHTING MAKES ALL THE DIFFERENCE



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

High performing operating light with rotation movement on three axes for accurate light adjustment to the oral cavity. sensor to switch it on and adjust light Adjustable light intensity from 8,000 to 35,000 Lux. Colour temperature 4,900 K, rear fan, removable, removable handles suitable for cold-disinfection.



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

VENUS LED LAMP

Proper illumination of the operating area is essential. Castellini offers dentists a wide selection of Venus series lamps with a broad performance range. Easily adjustable and ergonomic, these lights let dentists select the lighting level best suited to clinical needs; they also feature removable handles and front panels to make cleaning easier. In addition to the standard Venus E LED lamp, three other models can be fitted as optional

VENUS LED MCT LAMP

Featuring exceptional brightness, this lamp makes it possible to set specific temperature values according to 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 pre-curing of the composite materials, simultaneously ensuring optimal lighting of the operating area.

at all times.

ADVANCED SYSTEMS FOR ENHANCED SAFETY



<u>M.W.B.</u>

Reliable and effective, 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 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 to zero.









TIME FLUSHING of the supply fluid.

S.S.S. BOTTLE

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 filling or replacement.

Castellini has always been attentive to the issue of hygiene, reaffirming its commitment through 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. Thanks to in-depth research and analysis, the dental unit can be configured with upgraded and certified devices that ensure the clinical environment is safe



AUTOSTERIL

Puma ELI R 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. The analysis demonstrated 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 short cycles to be performed with 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



as far as possible, risk-free.

PREVENTION FIRST AND FOREMOST



<u>S.H.D.</u>

Flushing and sanitisation of the suction system with water and a special liquid take approximately 2 minutes: ideal as a betweenpatients cleaning procedure. Option only available where a double filter is present.



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



REMOVABLE LAMP HANDLES The Venus E operating light handles can be removed easily for thorough cleaning.



DOUBLE FILTER Optional feature allowing independent cannulae selection; the filters can easily be

operations.



Through careful analysis of potential contamination risks in the surgery and around the patient chair, Castellini designs the unit using elements and strategies that ensure constant protection for the patient and medical staff Surfaces suitable for frequent sanitisation and numerous removable components help keep the workplace healthy and,

REMOVABLE, AUTOCLAVABLE HANDLES It can be easily removed for maximum





SUCTION TUBING

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

removed to facilitate draining and cleaning



SINGLE FILTER Easily removable to make emptying and cleaning tasks simple.

16:9 aspect ratio.

INSTANT DIAGNOSIS



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 touchsensitive 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.

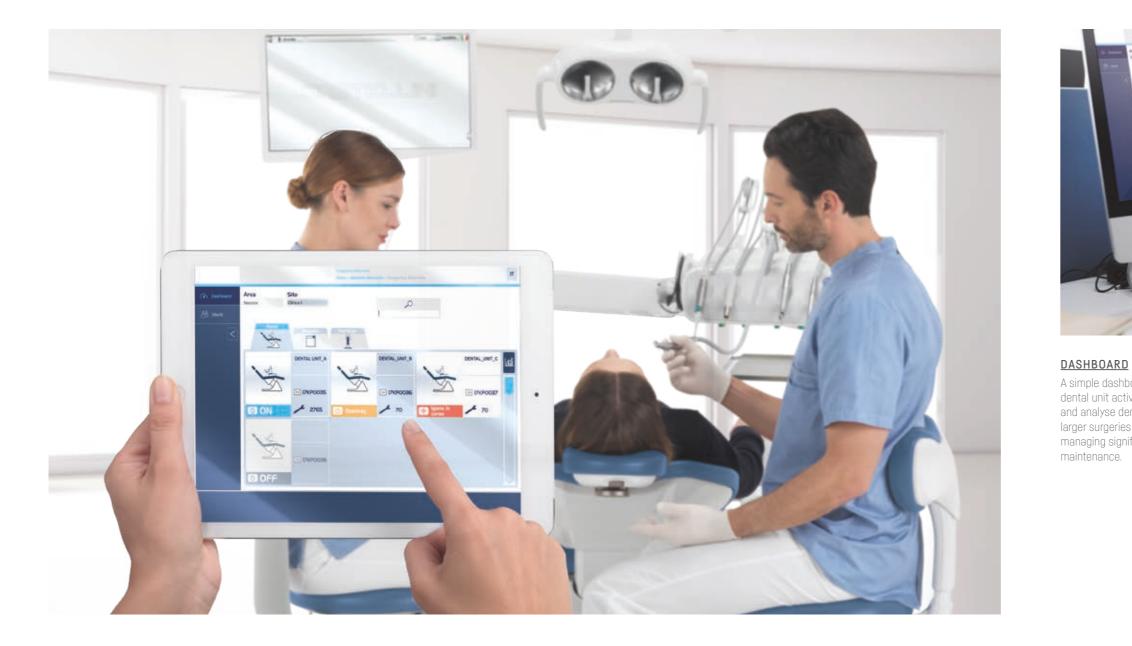
22" LED MONITOR A Certified Medical Device (as per EU directive 93/42), the monitor ensures perfect image display and simple interfacing. Thanks to ergonomic design and the special IPS panel it offers a wide viewing angle. It can be integrated into the dental unit with either a single arm or a double-jointed arm for more flexible use.

Obtaining a quick diagnosis is easier when the image-based communication system is integrated on the patient chair. This lets dentists capture, illustrate and share information with the patient immediately. The multimedia system (optional) consists of a camera with HD sensor, an X-ray sensor integrated on the module and a 22" LED monitor with a



technical support service.

<u>A CONNECTED</u> <u>SURGERY</u>



VIRTUAL ASSISTANT

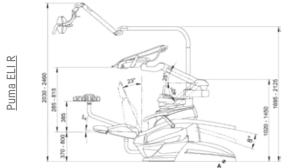
Di.V.A. (Digital Virtual Assistant) is a virtual assistant that optimises the workflow in advanced dental practices. In addition to being viewable on PC, Di.V.A. can be easily consulted on smartphones and tablets.

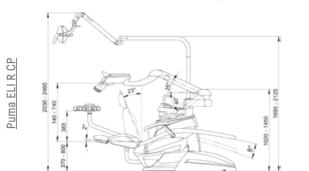
Designed to provide connection to the Internet through Easy Check, the Castellini dental unit features a range of optional cutting-edge digital services. To improve efficiency within the surgery, each dental unit can rely on a real-time remote troubleshooting and

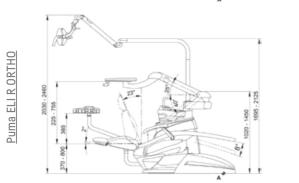


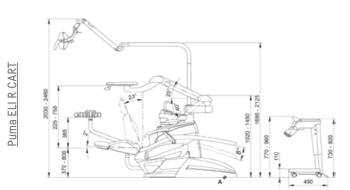
A simple dashboard lets the dentist monitor dental unit activity across all functions and analyse dental practice efficiency. In larger surgeries this is an excellent tool for managing significant workloads and planning

TECHNICAL SPECIFICATIONS

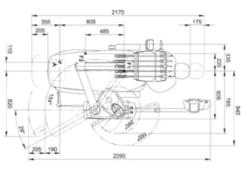


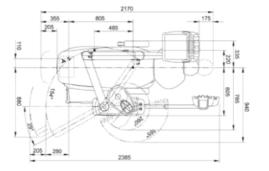


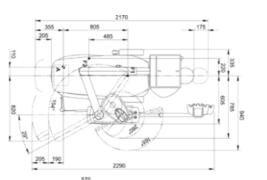


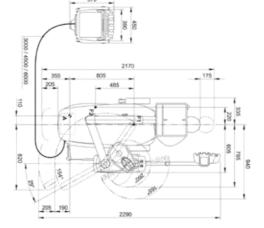












COLOUR RANGE		SURGICAL PADDING		
102	Atlantic blue	198	Atlantic blue	
113	Pacific blue	183	Pacific blue	
106	Mediterranean blue	196	Mediterranean blue	
136	Indian blue	186	Indian blue	
101	Caribbean green	197	Caribbean green	
123	Polynesian green	193	Polynesian green	
103	Nevada yellow	182	Nevada yellow	
115	Scottish salmon	195	Scottish salmon	
132	Blueberry violet	192	Blueberry violet	
134	Japanese wisteria	184	Japanese wisteria	
135	Venetian red	194	Venetian red	
130	Graphite black		Graphite black	
121	Anthracite grey	199	Anthracite grey	
1.37	Bright silver	187	Bright silver	

UNMISTAKEABLE DESIGN AND AUTHENTIC VERSATILITY

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<u>Puma ELI R</u>

HYGIENE SYSTEM	<u>M</u>
Separate Supply S	System
Autosteril A (Auto	matic) for disinfection of the water circuit
Multi Water Bio co	ontroller - MWB. (EN 1717-compliant water infeed unit with continuous disinfection system
Timed Flushing (q	uick water circuit flush cycle]
Suction Hose Disi	infection (suction system wash and disinfection)
DENTIST'S MODU	JLE
Turbine KIT compl	lete with Silent Power Evo 2 handpiece
Complete turbine	kit with Silent Power Evo 4L fibre optics, quick coupling handpiece
Complete turbine	kit with Silent Power Evo Miniature fibre optics, quick coupling handpiece
Handy Power indu	uction Micromotor Kit (100 - 40,000 RPM - 3.3 Ncm)
Handy Power LED) fibre optics induction Micromotor Kit (100 - 40,000 RPM - 3.3 Ncm)
Implantor LED ind	luction Micromotor fibre optics kit (100 – 50,000 rpm – 5.3 Ncm)
Piezosteril 6 scale	er kit complete with 4 tips
Piezolight 6 scale	er kit with fibre optics with 4 tips
T-LED curing light	t kit
Instrument lever s	stop kit
3-way stainless s	teel syringe kit
6-way stainless s	teel syringe kit
6th instrument kit	t (curing light or camera handpiece)
Integrated X-ray s	sensor
ASSISTANT'S MO	<u>IDULE</u>
T-LED curing light	t kit
3-way stainless s	teel syringe kit
6-way stainless s	teel syringe kit
Removable and di	isinfectable suction tubes
Removable and a	utoclavable suction cannulae
Assistant's modul	le with 4 holders, with capacitive keypad, mounted on single arm
Assistant's modul	le with 4 holders and capacitive keypad, mounted on double arm
Assistant's modul	le with 5 holders and capacitive keypad, mounted on single arm
Assistant's modul	le with 5 holders and capacitive keypad, mounted on double arm
Tray holder table o	on assistant's module
OPERATING LAM	P
Venus E LED Lam	p
Venus Plus lamp	
Venus LED lamp	
Venus LED MCT la	amp
UNIT BODY	
Removable and p	osition-adjustable cuspidor bowl
Cup filling sensor	
Water-to-cup hea	ter
Instrument spray	heater
Independent canr	nulae selection
Quick coupling for	r air/water supply for external device
Multimedia cables	s and PC connections
Tray holder table i	in place of bowl
PATIENT CHAIR	
Pneumatic releas	e headrest with 3-axis movement
Double-jointed he	eadrest with 2-axis movement
Lateral slide foot (control complete with joystick
	control complete with joystick - wireless
	d foot control with Joystick and spray on/off kit
	d foot control with Joystick and spray on/off kit - wireless
Foot control, Powe	
	er Pedal type - wireless

• = supplied as standard O = optional - = not available

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Over the patient delivery system	<u>Hanging tubes</u>	<u>ORTHO</u>	<u>CART</u>
<u>denvery system</u>			
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