

PUMA  
**ELI**  
5

ESSENCE  
OF SIMPLICITY

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**CASTELLINI**

PASSION FOR DENTISTRY  
SINCE 1935



## ESSENCE OF SIMPLICITY

ELI 5 is the very essence of Castellini philosophy. Designed to enhance the dentist's working efficiency and comfort in every circumstance, all models in the ELI 5 range feature practical ergonomics and design solutions conceived for specific dentistry requirements. Moreover, the ELI 5 comes ready for the installation of scientifically proven hygiene systems and is based on a design concept that minimises the risk of cross-contamination.

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Totally at ease whatever the clinical situation: ELI 5 ensures flexibility and makes the dentist's tasks, as well as those of the assistant, simple and straightforward, time after time. The equipment's reliability and the wealth of standard features available are typical of this unit in its many versions.

## FUNCTIONAL

Specifically designed in the most practical way for orthodontists, the new ELI 5 Orthodontic includes a large optional tray holder built onto a support arm offering excellent working space. The convenient handle is designed for easy manoeuvring.



PUMA ELI 5 ORTHODONTIC

## CONVENIENT

Instruments are always at hand in the hanging tubes version. The module's design, with a built-in control panel and tray holder, makes for smoother workflow and presents the instruments in a way which suits dentists who prefer working from indirect vision.



PUMA ELI 5 CP

## FLEXIBLE

The mobile unit version optimises space thanks to its huge flexibility. Moreover, the large double tray support increases the functionality of the Cart solution. The instrument module is vertically adjustable so that optimal ergonomics is achieved whatever the treatment situation.



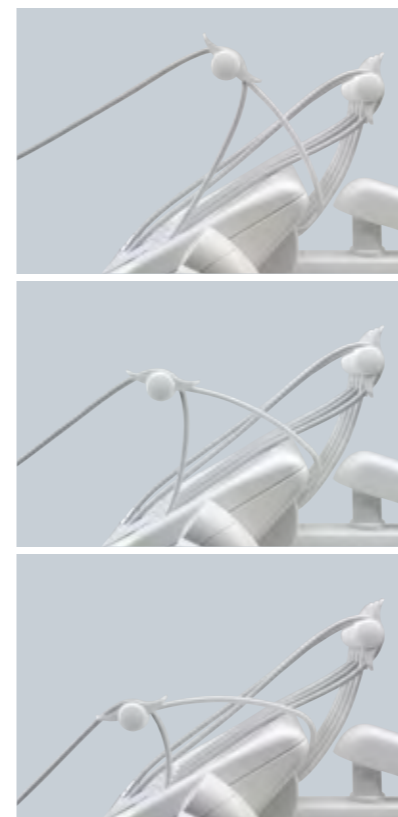
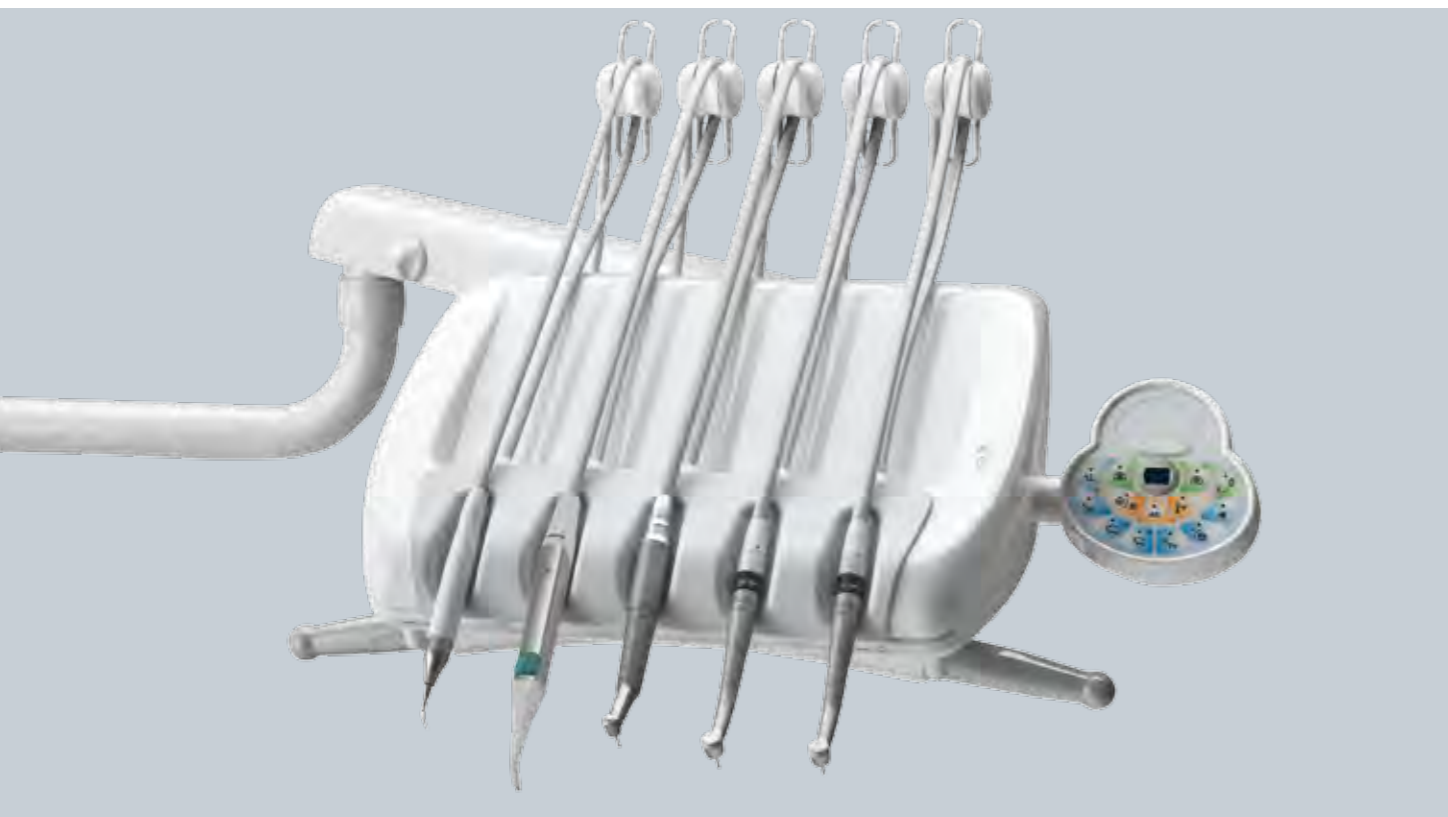
PUMA ELI 5 CART

## VERSATILE

Available as an ambidextrous unit, ELI 5 can be switched quickly from left to right in just a few simple steps which do not require technical staff assistance. The reversible unit is available as a model with Whip Arm instruments.



PUMA ELI 5 AMBIDEXTROUS



## Dentist's module

- soft-switch membrane keyboard:
  - operating lamp, direct control of chair movements, chair programming and calling up of programmed positions, rinse and patient entry/exit position, cup filling and cuspidor rinsing, start up of Autosteril S (Simple System), waterline rinsing and Time Flushing system.
- micromotor and scaler speed and power display
- micromotor speed adjustment and scaler power adjustment controls
- switch for selecting irrigation liquid (mains water/separate supply system)
- tray holder on articulated arm with two trays
- autoclavable handle and handpiece mat
- self-balancing Whip Arm Over Patient levers
- X-ray viewer

- Optional equipment:
- hose stop in working position
  - double handles



## Lightweight and balanced

Designed for 5 instruments, the Whip Arm Over Patient Delivery module is built onto a self-balancing arm and is easily manoeuvred into the most comfortable and ideal positions according to the treatment being undertaken. The instrument levers and the length of the tubing both help reducing the physical stress undergone by the dentist's wrist while operating.

## Compact and functional

On the 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. Instruments, tray holder and control panel are grouped together close at hand in an optimal position.







### Assistant's module

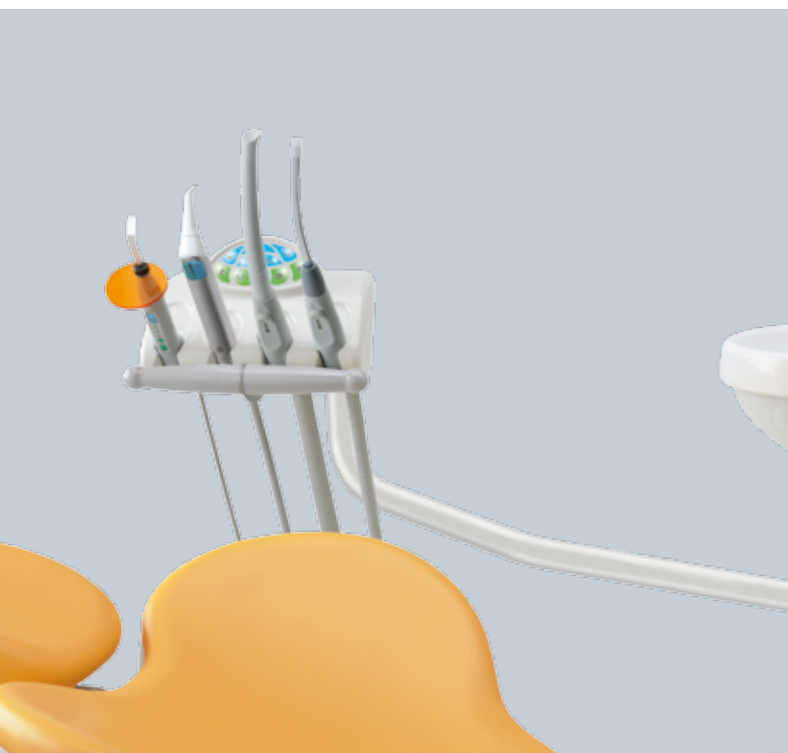
- two suction cannulae: HVE (large) and LVE (small)
- operating support position of extracted suction hoses
- detachable suction hoses can be disinfected
- optional instruments (syringe, curing light)
- Dama patient chair controls
- Operating light on/off control

### Practical and essential

The assistant's module is designed to accommodate 2 suction cannulae and 2 instruments. It is connected to the unit body by a support arm available in a single-jointed version or double-jointed (optional) version. The module rotates on a horizontal plane, so that it can be best positioned either for the dentist alone or when working with assistance.

### Ceramic cuspidor bowl

The ceramic cuspidor bowl is perched on the unit body. It can be rotated within the operating area so it is easy for the patient to reach when rinsing.





## Dama patient chair

Functional and comfortable, Dama provides the dentist with ample working space and assures an optimal approach, with safe and precise patient positioning

- reclining headrest with double articulation and sliding support
- backrest with lumbar support and anatomical articulation
- electronically controlled motorised movements
- backrest/legrest synchronisation.
- position memory: patient entry/exit, rinse, Last Position Memory, 4 programmable working positions
- controls for direct / programmed movements included as a standard feature on the dentist's module, via the foot control joystick and, available as an option, on the assistant's module
- Suction Stop command
- seamless upholstery made from AAU anti-bacterial material
- anti-crushing safety devices for seat lowering and backrest reclining

Optional features:

- removable compass-style armrests for easy patient access



## Airpower 2 air-driven micromotor

- integrated air and water lines
- speed limit setting on micromotor casing, may be adjusted from the foot control
- reverse control on micromotor casing
- completely autoclavable micromotor
- standard connection for 4-way hose



## Goldspeed Handpieces

Contra-angles and straight handpieces designed to meet all-round dental needs, built from special materials by applying high precision micromechanics processes

- full titanium body (except E16)
- built in anti-retraction device
- internal spray
- built in fibre optics (S1-L, M5-L, R20-L)
- ceramic bearings (M5-L)
- external and hollow bur cooling (R20-L)
- completely autoclavable



## Handy Power micromotor

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

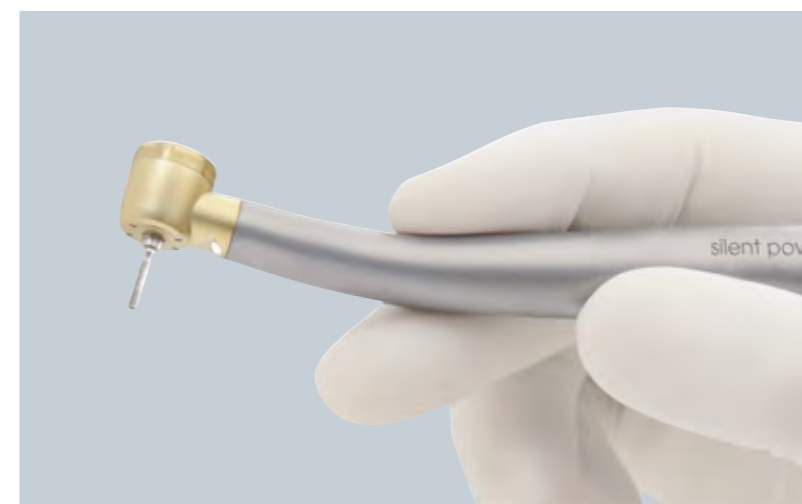
- Conservative and prosthetic dentistry:
- from 1,000 to 40,000 rpm
  - maximum speed can be pre-set



## Piezosteril 6

Versatile, multifunctional ultrasound handpiece suitable for prophylaxis and endodontics

- constantly self-regulated frequency from 25 up to 32 kHz
- coolant delivery adjustable from zero to max flow rate
- completely autoclavable

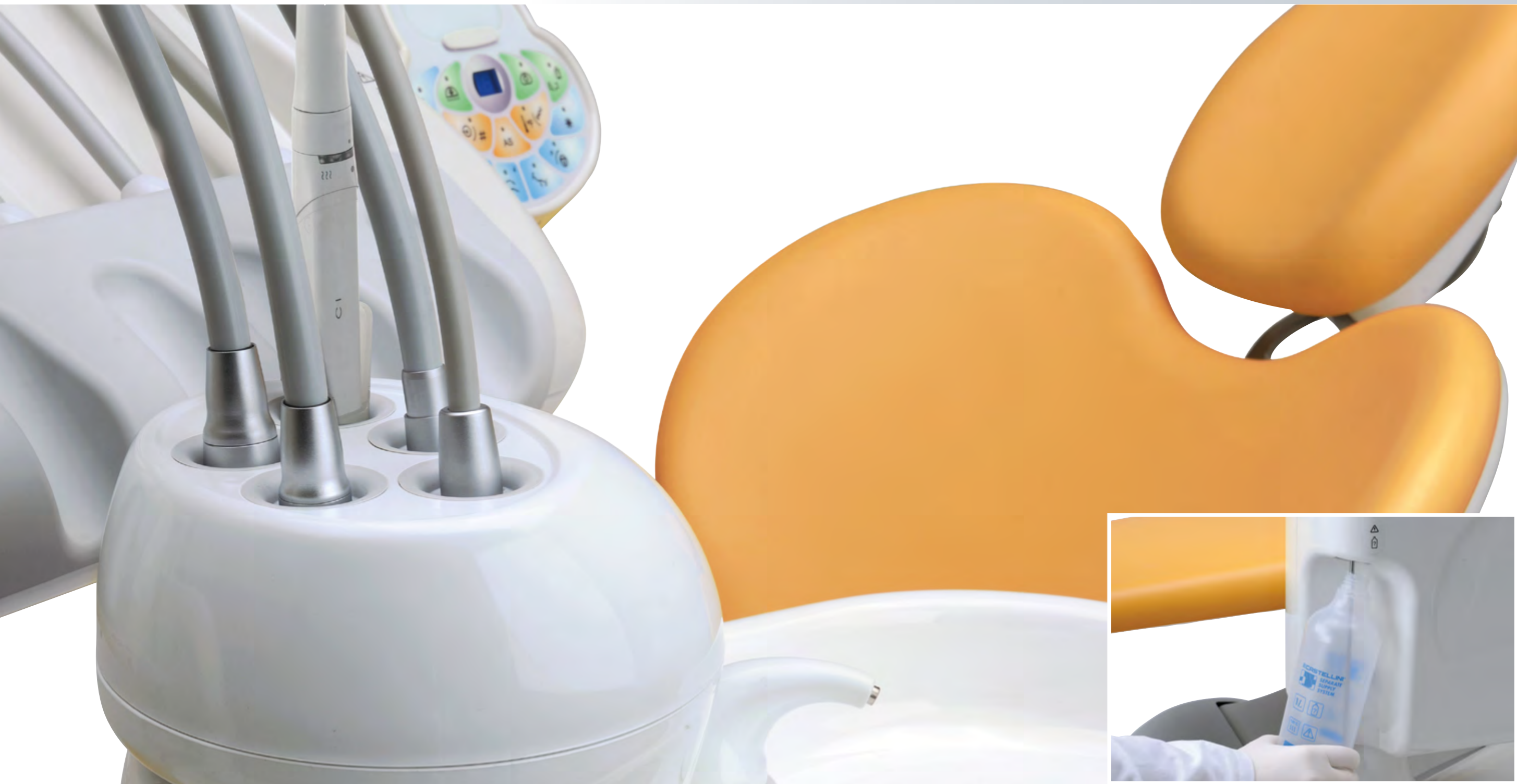


## Silent Power Turbines

The silent comfort of superior performance. With the Silent Power range of turbines, the perceived operating noise has been more than halved compared to a traditional turbine

- 57 dB(A) compared to the 62/64 dB(A) of conventional turbines\*
- ceramic bearings
- superior performance and long life
- minimised vibration
- 350,000/400,000 rpm
- 2/4 jets spray system: highly efficient cooling with independent water and air nozzles

\* the perceived noise doubles every 3dB



HYGIENE AND ASEPSIS



## Active and passive hygiene

In order to ensure safety for the dental team and the patient, ELI 5 incorporates a system made up of advanced active devices and numerous passive features designed to guarantee hygienic conditions

- completely autoclavable scaler, air-driven micromotor and turbine
- completely autoclavable syringe handle and tip
- curing light with autoclavable light guide
- washable and disinfectable control panel with protective film
- removable autoclavable parts:
  - cuspidor
  - cup-and-bowl-fill unit
  - dentist's module handle
  - instrument mat
  - cannulae holders
- detachable suction hosing for complete disinfection
- sanitizing anti-foaming VF Control Plus tablet for surgical suction lines
- Ster 3 plus decontaminating detergent for surgical suction lines
- unit and chair surfaces can be washed and disinfected
- Ster 1 plus decontaminating detergent for surface applications
- AAC anti-bacterial paint
- seamless upholstery made from AAU anti-bacterial material

## Protection against Legionnaire's disease

Microbiological water quality inside the dental unit is ensured by Peroxy Ag+, a bactericidal, fungicidal and micobactericidal disinfectant. This substance, at the concentration indicated by Castellini, acts effectively against all water-borne contaminants, in particular Legionella. Against the latter it has been proven to be an effective bacterial disinfectant after just 10 minutes of contact.

## Autosteril S

Scientifically validated system for high-level disinfection of dental unit water circuit, S version (Simple System):

- semiautomatic internal disinfection cycles
- high-level disinfectant based on TAED (Tetra Acetyl Ethylene Diamine) and peroxide, supplied in powder form, which generates peracetic acid in aqueous solution
- water circuit with exclusive technical features: free of blind ramifications, with in-line components and no blind internal chambers, enabling the entire spray water circuit system to be completely disinfected.



## Independent supply system

- avoids possible contamination from mains water supply
- autoclavable tank and needle
- antiseptics and medical substances can be added to spray circuit
- sterile liquids can be used in the water circuit which has been disinfected with Autosteril S





### E.Light

Operating light with protective front screen and rotation around 3 axes

- colour temperature: 4,100°K
- luminous intensity up to 26,000 Lux
- removable handles suitable for cold-disinfection

### Venus Plus

High performing operating light with rotation movement on three axes for accurate light adjustment to the oral cavity

- colour temperature 4,900°K
- adjustable light intensity from 8,000 to 35,000 Lux
- front protective screen
- removable handles
- rear fan

### Venus LED

Operating lamp with long-lasting, low-consumption LED light source plus 3-axis rotation for perfect illumination of the operating area.

- maximum light intensity 50,000 Lux
- colour temperature 5,000K
- potentiometer to adjust light intensity
- No Touch sensor to switch on and adjust
- easy-to-clean hermetically sealed frontal protective screen
- handles can be cleaned in an autoclave

## Dental seating

The seats available for the medical staff are comfortable and practical. The seat height is adaptable, and additionally, the backrest inclination can be adjusted (for the dentist) and the arm rest side can be changed (for the assistant). The extension kit and footrest ring are optional devices.



### Hygiene system

	Over the patient delivery system	Hanging tubes	Cart
Separate Supply System	●	●	●
Autosteril 5 (Simple System) for water circuit disinfection	●	●	●
Timed Flushing (quick wash cycle of the water circuit)	●	●	●

### Dentist's module

Kit turbine complete with Silent Power Silver 2 handpiece	●	●	●
Kit turbine complete with Silent Power Silver 2L fibre optics handpiece	○	○	○
Kit turbine complete with Silent Power Silver 4L fibre optics, quick coupling handpiece	○	○	○
Kit turbine complete with Silent Power Gold fibre optics, quick coupling, pure titanium handpiece grip	○	○	○
Kit turbine complete with Silent Power Gold Miniature fibre optics, quick coupling, pure titanium handpiece grip	○	○	○
Kit Pneumatic micromotor Air Power 2	●	●	●
Kit Micromotor Handy Power (1,000 - 40,000 RPM - 3 Ncm)	○	○	○
Kit Micromotor Handy Power LED fibre optics (1,000 - 40,000 RPM - 3 Ncm)	○	○	○
Kit Micromotor Implantor LED fibre optics (100 - 40,000 RPM - 4.5 Ncm)	○	○	○
Kit Piezosteril 6 scaler	○	○	○
Kit Piezolith 6 scaler with fibre optics	○	○	○
Kit LEDA led curing light	○	○	○
Kit for instrument lever stops	○	-	-
Kit 3-way stainless steel syringe	●	●	●
Kit 6-way stainless steel syringe	○	○	○

### Assistant's module

Kit LEDA led curing light	○	○	○
Kit 3-way stainless steel syringe	○	○	○
Detachable and disinfected instrument hoses	●	●	●
Autoclavable suction cannulae	●	●	●
Assistant's module with control panel complete with control switch for chair and operating lamp	●	●	●
Assistant's module with control panel complete with control switch for chair and operating lamp mounted on double articulated arm	○	○	○

### Operating lamp

E.light lamp	●	●	●
Venus Plus lamp	○	○	○
Venus LED lamp	○	○	○

### Unit body

Swivel and removable ceramic bowl	●	●	●
Cup filler water heater	○	○	○
Quick coupling for air/water supply for external device	○	○	○
Multimedia cables and PC connections	○	○	○

### Patient chair

Headrest with double articulation	●	●	●
Multifunction foot control complete with Joystick	●	●	●
Left armrest	○	○	○
Right armrest	○	○	○

● supplied as standard ○ optional

## Colour range



- 102 Atlantic blue
- 113 Pacific blue
- 106 Mediterranean blue
- 136 Indian blue
- 101 Caribbean green
- 123 Polynesian green
- 103 Nevada yellow
- 115 Scottish salmon
- 132 Blueberry violet
- 134 Japanese wisteria
- 135 Venetian red
- 130 Graphite black
- 121 Anthracite grey
- 137 Satin silver