



EXPlasma™

 **CUBE** Instrument Inc.



Compact Low Temperature Plasma Sterilizer

FOR ANIMAL USE ONLY

PRODUCT ADVANTAGES

Compact Plasma Sterilization

Affordable

- Cost less
- Maintenance less:
Oilless pump



Fast

- 10 min (Flash Cycle)
- 20 min (Standard Cycle)

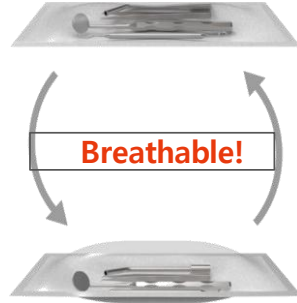
Sterilization Acceleration Engine

- Sterilization power up
- Three Patents

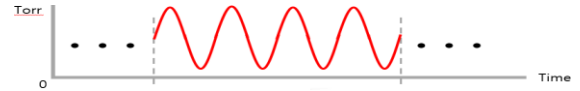
Efficient Sterilization – for Small, Medium and Large Size Clinics

No Dangerous Chemicals Used!

Maximize Sterilization Efficiency!



Sterilization Acceleration Engine (SAE)



Pressure Change in Sterilization Chamber

Forcibly changes the pressure in the sterilization chamber to generate kinetic energy!

- Quick Sterilant Diffusion and Penetration
- Minimize Chemical Burn – moisture removal

P•ART™ Pouch Artificial Respiration Technology

- Sterilant penetrates repeatedly into the medical device similar to artificial respiration, shortening the sterilization time. Effective for temperature transfer and moisture removal.

AMR™ Auto Moisture Removal

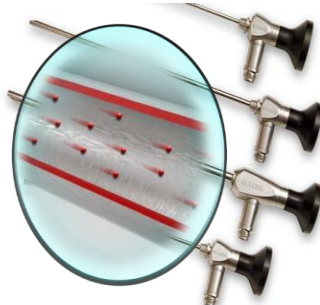
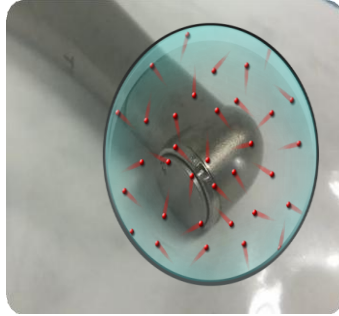
- EXPlasma has an automatic moisture removal function. It can be used safely and conveniently even if it has a little moisture or slight temperature difference.

INNOVATIVE TECHNOLOGY

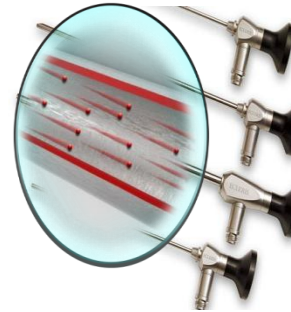
Maximize efficiency by adding kinetic energy to the sterilization chamber

Conventional Technology

After disinfectant injection, rely on natural diffusion



Without Kinetic Energy



With Kinetic Energy

EXPlasma - SAE

After disinfectant injection, adds kinetic energy to natural diffusion

Fast Sterilization

Total sterilization time is 8 or 15 minutes.
So, the turnover rate of medical devices increases.



Flash Mode / 10min.

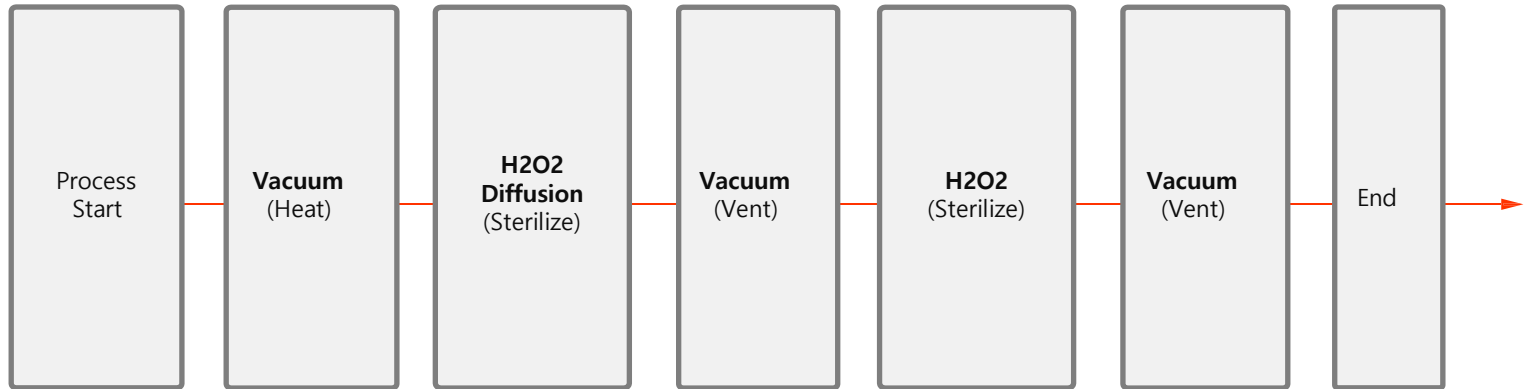


Standard Mode / 20min.

* Total sterilization time may vary depending on usage environment.



STERILIZATION CYCLE



Fast cycle time and longer device lifespan (low-temperature handling reduces damage)

Ideal for centers in need of Rapid Sterilization, Minimized Damage to Delicate Instruments, or Limited Space.



Low Temperature Plasma Sterilizer
EXPlasma
Z7



MATERIAL COMPATIBILITY

LUMEN DEVICE LENGTH & SIZE

Teflon, Silicon: Inside diameter: >1mm & Length: <500mm

Stainless Steel: Inside diameter: >1mm & Length: <300mm

YES

Metal

Aluminum
Stainless Steel

Non-metal

Acrylonitrile butadiene styrene (ABS) Delrin	Polyetherimide (PEI)
Ethyl vinyl acetate (EVA)	Polyethylene terephthalate (PET) Polymethyl methacrylate (PMMA)
Fluorinated ethylene propylene (PFTE) Glass, USP Type 1 borosilicate	Polyphenyl sulphone
High density polyethylene	Polypropylene (PP)
Kraton	Polystyrene
Latex	Polysulfone
Polyethylene	Polytetrafluoroethylene (PTFE)
Monel	Polyurethane
Phenolic resin	Polyvinyl chloride (PVC)
Polycarbonate (PC)	Silicon

NO

Absorptive Materials (Cellulose)

- Wood
- Linen
- Paper
- Sponge

Liquids (Moisture)

Oil

Powders



COMPATIBILITY MEDICAL DEVICES - VETERINARY



Type	Vessel Sealer	Endotracheal Tube	Piezo Scaler Handpiece	Saw Blade	Biopsy Needle
Size	8.9 – 19.8 cm	7 – 9.9 cm	12.7 – 14.9 cm	8 – 33 mm	9 – 15 cm
Material	Plastic, Metal, etc.	PVC, Silicone, etc.	Plastic, Metal, etc.	Stainless steel, etc.	Plastic, Stainless steel, etc.
Price	€700	€50 - €100	€125 - €170	€50 - €70	€17.5 - €49



Type	Arthroscope	Laryngoscope	Hysteroscope	Otoscope	Flexible Endoscope
Size	58 – 160 mm	75 – 215 mm	190 – 364 mm	2.5 – 5 mm	600 – 1,300 mm
Material	Stainless steel, etc.	Stainless steel, etc.	Stainless steel, etc.	Stainless steel, etc.	Stainless steel, etc.
Price	€1,950 - €2,800	€300 - €800	€2,000 - €4,800	€50 - €200	€10,000 - €13,000

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COMPATIBILITY MEDICAL DEVICES – VETERINARY OPHTHALMOLOGY



Type	Instruments	Instruments	Phaco Handpiece	Cataract Surgery Kit	Oculus Biom set
Size	10 – 14 cm	10 – 12 cm	10 -15	254 x 15 15	
Material	Titanium, Stainless steel, etc.	Titanium, Stainless steel, etc.	Metal, polymers, PVC, etc.	Plastic, stainless steel, etc.	Stainless steel, etc.
Price	€50 - €200/pieces	€50 - €100	€1,000 - €2,500	€50 - €200/pieces	€10,000~ €18,000



Type	Diamond knife	Eye Lid Speculum	Simcoe Cannula	Retina Surgical Kit	Ophthalmic lens
Size	115 - 120 mm	69 - 89 mm	150 – 200 mm	10 – 14 cm	Ø56 X20mm
Material	Stainless steel, Titanium etc.	Stainless steel, etc.	Stainless steel, plastic, etc.	Titanium, Stainless steel, etc.	Glass, plastic, Polycarbonate, etc.
Price	€2000 - €2500	€150 - €200	€100 - €180	€50 - €200/pieces	€600 - €700

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COMPATIBILITY MEDICAL DEVICES – VETERINARY DENTAL



Type	Diamond Bur	Handpiece	Braces Instruments	Dental Kit	Surgical Kit
Size	0.5 – 2.5 mm	4.8 – 9.9 cm	0.5 – 0.7 mm	13 – 15 cm	
Material	Diamond power, stainless steel	Metal, polymers, PVC, etc.	Metal, nickel titanium, etc.	Tungsten, stainless steel, etc.	Stainless steel, plastic, etc.
Price	€80 - €100	€1,000 - €2,000	€100 - €300	€50 - €100	€1,000



Type	Irrigation Tube	Plastic Tray	Plier	Forceps	Sinus lift Kit
Size	177 – 218 cm	W: 4.8 – 7.6 cm H: 2.8 – 6.8 cm	12.9 – 14.9 cm	15 – 17.8 cm	
Material	Metal, Polypropylene, etc..	Plastic, etc.	Tungsten, stainless steel, etc.	Tungsten, stainless steel, etc.	Stainless steel, etc.
Price	€30 - €60	€0.23 - €0.3	€75 - €150	€37 - €225	€300

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■ Product specification

Mode	FLASH	10 Min	Sterilant	50% solution of hydrogen peroxide (H2O2) wt
	STANDARD	20 Min	Audible acoistic energy	60db below
Dimension		55°C Below	Electrical requirement	AC 220V / 60Hz
Dimension	Width	39cm	Power consumption	Maximum 1,200 W
	Depth	44cm	Total weight	30kg
	Height	28cm		
Chamber Dimension		7 Liter		



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JK MEDICAL INC™
Advanced Medical Sterilization

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