

# RENO Plasma Sterilizer

EXPERT IN INFECTION CONTROL



**RENOSEM**  
Expert in Infection Control

**RENOSEM** provides state-of-the-art “LOW TEMPERATURE PLASMA STERILIZER” as a market leader with specialized sterilization process technology. With many years of experience in developing and producing full range of PLASMA STERILIZER, we services to its customers in healthcare, pharmaceutical and laboratory sectors.

**RENOSEM** focuses on offering innovative solutions for the CSSD we increase better patient care, safety, and environment.

### Business



Sterilizer



Consumables



Validation Service

# State-of-the-art Plasma Technology

Plasma sterilization includes exposing an article to be sterilized to mixed gas generated from a plasma generator and hydrogen peroxide solution. The exposure of the article to the plasma gas is carried out at pressure ranged from vacuum to over atmosphere for a time period sufficient to effect sterilization.

## Sterilization Plasma

Using DBD (Dielectric Barrier Discharge) Plasma technology  
Maximizing  $H_2O_2$  radical effect and sterilization efficacy  
Durable & effective plasma (radical) generating system

## Abatement Plasma

AC Plasma discharge  
Break down  $H_2O_2$  gas into Water vapor ( $H_2O$ ) and Oxygen ( $O_2$ )  
Durable & Reliable Finishing System



# RENO Series at a glance

RENO Plasma Sterilizer is to sterilize highly sophisticated, heat-sensitive surgical instrument. Committed to combining the most effective plasma technologies, innovative designs, and rapid sterilizing time to create user friendly and cost effective solutions that enhance productivity, competitiveness and fulfill client's optimum safety and economical satisfaction. Continuous research and development, quality, safety and comprehensive services as well as user-friendly design are important aspects of RENO Plasma Sterilizer.

**Easy-to-use Sterilization Agent Cassette**

- Easy-to-load and reliable constant dose injection system
- Leak proof single use cassette type for user's convenience and safety.
- No required additional consumables for wasting sterilization agent.

**Spacious Chamber**

- Spacious rectangular chamber
- Removable two-tiered shelf.
- Durable, acid-proof, and easy-to-clean chamber material-stainless steel
- Freely contactable chamber wall-Error free

**User Friendly interface - Touch screen controls**

- Easy-to-use and color-coded touch screen.
- Easy monitoring sterilization cycle information: cycle time, Temperature, Pressure, and much more.

**Built-in Thermal Printer**

- Print cycle reports and other information
- No required ink ribbon.

**Easy to Install**

- Built-in locking mobile wheels
- Easy to relocate where user's desired location
- No required additional facilities (water plumbing, aeration systems)

**Data Storage System**

- Automatic data backup system using memory card / USB.
- Compatible with PC (MS Excel, Text Format)

**Sophisticated exterior**

## RENO Series Low Temperature Plasma Sterilizer

RENOSEM provides full range of model for your maximum productivity.  
From Speedy and compact model RENO-S20 to RENO-S130D designed for large-scale hospital

**RENO-S20**  
**RENO-S30**  
**RENO-D50**  
**RENO-S130**  
**RENO-S130D**

*RENO Plasma Sterilizer is the Best Solution  
for Infection Control.*



**Proven Strong Penetrability** is ability to sterilize single-channel flexible endoscopes and rigid endoscopes, and much more. Long narrow closed lumen (  $2\text{Ø} \times 1,500\text{mm}$  ) sterilization is guaranteed without adpoter and booster.

**Fast sterilization cycle** enable to increasing instrument turnaround even reducing costly instrument inventory

**Gentle sterilization** is ideal for delicate instrument : heat-sensitive and humidity-sensitive

**Non Toxic Residue** : water vapor(H<sub>2</sub>O) and oxygen(O<sub>2</sub>) ensure safety for user, patient, and environment. Also complied with all International Environment Laws and Regulations.

**User-friendly Interface** : touch screen, built-in printer, storage system – maximize user's convenience

**Low running cost** is feasible using RENO-series : No required additional facilities (water plumbing, aeration systems, and consumables for wasting sterilization cassettes ). Single-use cassette type can reduce the sterilization agent expenses.

# What kinds of device can be sterilized in RENO Sterilizer?



## Suitable for minimally invasive surgery (MIS) endoscopes



Endoscopic Instrument



Trocar cannula



Bronchoscope



Cystoscope



Choledochoscope



Laparoscope

Cryo-probes

Dopplers

Electrocautery instruments

Cranial pressure transducer cables

Defibrillator paddles

Endoscopic instruments

Rigid endoscopes (laryngoscope & blade, arthroscopes, laparoscopes & Trocar cannula and Trocar sheaths, resectoscope and sheaths, etc.)

Flexible endoscopes (bronchoscopes, hysteroscopes, choledochoscopes, ureteroscopes, cystoscopes, etc.)

Esophageal dilators

Fiberoptic light cables

laser handpieces, fibers, accessories

Shaver handpieces / Pigmentation handpieces

Metal instruments

Ophthalmic lenses (diagnostic, magnifying)

Patient lead cables

Radiation therapy equipment

Surgical power equipment and batteries (Power drills)

Ultrasound probes

Video cameras and couplers

※ All devices processed in RENO sterilizer must be within the claims of the sterilizer.



## Heat sensitive instruments



Micro eye surgery instrument



Power drills



TUR Set



Tube



Light cords





[www.renosem.com](http://www.renosem.com)

**RENOSEM Co., Ltd.**

RM 303-101, Techno Park III, 36-1 Samjeong-Dong, Ojeong-Gu, Bucheon-Shi, Gyeonggi-Do, Korea (#421-742)  
TEL. +82.32.624.4900 FAX. +82.32.624.4910

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