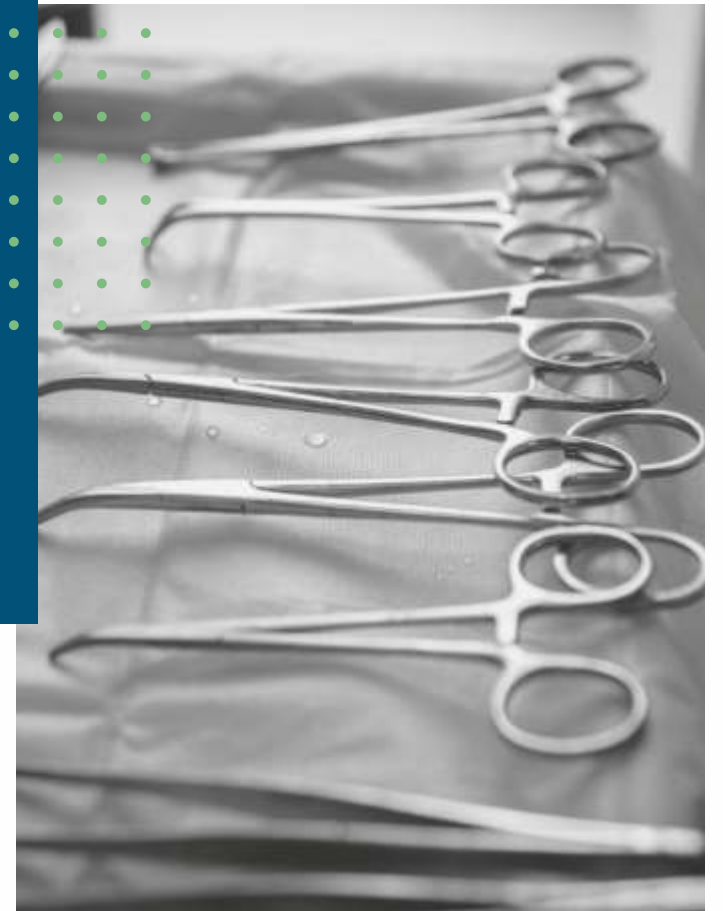


DIVERSIFIED **SERVICES.**
UNVARYING **QUALITY.**



LOW
TEMPERATURE
STERILIZERS



- LOW TEMPERATURE HYDROGEN PEROXIDE PLASMA
- ETO STERILIZER



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ETO STERILIZER

MODEL NO. : GTE-001



TECHNICAL DETAIL

Genist Ethylene oxide gas sterilizers are designed to be used with Ethylene oxide gas cartridge to provide a safe & effect temperature sterilization process for Hospital, Cath Lab, Medical Institutions, Eye Specialists, Ortho Specialists etc. Genist has reliable ETO Sterilizers that provide a latest technology. Genist sterilizer uses Ethylene oxide to sterilize heat and/or moisture sensitive Devices. All Model Available in semi /fully automatic.

FULLY AUTOMATIC

In **fullyautomatic** , the sterilization is a **one – touch** operation; where the operator loads the material in the trolley provided along with the machine, closes the door and then presses the Start button to initiate the cycle; the cycle then continues on its own and after sterilizing and aerating the load; informs the operator that the cycle is complete. Once stored this program cannot be modified with invoking the password command.

SEMI AUTOMATIC

A separate set of operating switches are provided to enable the operator to take a cycle in manual.

EQUIPMENT DESCRIPTION

BOQ OF FULLY AUTOMATI ETO (IMPORTANT PARTS)

SR. NO.	MATERIAL	MAKE /GRADE
1	INNER CHAMBER SS	JINDAL/316
2	OUTER BODY SS	JINDAL/304
3	GASKET	SILICON
4	GLASS WOOL	INSULATION 25 MM
5	PLC	DELTA
6	HMI	DELTA
7	PUNEMATIC VALVE	ROTEX
8	CATRIDGE	GENIST
9	COMPRESSOR	MATRIX
10	HEATER	ESCORT
11	SENSOR	RADIX
12	AIR CYCLINDER	SC 50 X 25
13	VACCUM GAUGE	VARRY

EQUIPMENT DESCRIPTION

- » Heating System.
- » Vacuum System.
- » Humidity System.
- » Control Panel.
- » Air Inlet Filter.
- » PLC/HMI.
- » Instrument Printer.

SAFETY FEATURES

- » All sensors linked to the automation, ensure reliability and failsafe operation.
- » Screen on control panel indicates specific phase during the operation.
- » Every cycle there is a Leak test period; which checks the leakage and aborts the cycle if there is a leakage in the system.
- » Negative chamber pressure ensures that gas cannot escape into operating area. Locked door sensor during cycle
- » Constant watch over entries and break diagnostic from automation, which warns the operator, by means of messages on indicator and buzzer.
- » Cycle completion record is shown on the printout.
- » Chamber and cabinet made of high grade stainless steel .
- » PLC display 7" colour touch screen.

SIZE

SIZE IN INNER CHAMBER (in mm)	IN CFT	CAPACITY
300 X 300 X 900	2.6 CFT	(78 Litres)
320 X 320 X 1200	4.5 CFT	(125 Litres)
350 X 350 X 1200	5.2 CFT	(150 Litres)

Size available as per customer requirement.

LOW TEMPERATURE HYDROGEN PEROXIDE PLASMA

MODEL NO. : GTPS-001

Shortest 17 mins cycle and small installation space required. It is especially good for OT/CSSD for fast sterilization of instruments in a small amount.

WORK MODE	Short time loading continuous running
POWER SUPPLY	3N 380V / 1 phase, 220V
WORK TEMPERATURE	35 - 55°C
CHAMBER SHAPE	Rectangular
DIMENSION	700(L)x970(W)x750(H)
DOOR (S)	Single

Size available as per customer requirement.



MODEL NO. : GTPS-001 A

Shortest 25mins cycle and small installation space required . It is especially good for OT/CSSD for fast sterilization of instruments in a large amount.

WORK MODE	Short time loading continuous running
POWER SUPPLY	3N - 380V / 1 phase, 220V
CASSETTE USAGE	Short 12 cycle Standard: 6 cycles
WORK TEMPERATURE	35 - 55 °C
CHAMBER SHAPE	Rectangular
DIMENSION	800(L)x1050(W)x1730(H)

Size available as per customer requirement.



MODEL NO. : GTPS-002

Shortest 25mins cycle and small installation space required . It is especially good for OT/CSSD for fast sterilization of instruments in a large amount.

WORK MODE	Short time loading continuous running
POWER SUPPLY	3N - 380V
CASSETTE USAGE	Short 12 cycle Standard: 6 cycles
WORK TEMPERATURE	35 - 55 °C
CHAMBER SHAPE	Rectangular
DIMENSION	800(L) x 1050(W) x 1790(H) 800(L) x 1100(W) x 1790(H)
DOOR(S)	Single / Double

Size available as per customer requirement.



MODEL NO. : GTPS-003

Shortest 45mins cycle and small installation space required. It is especially good for OT/CSSD for fast sterilization of instruments in a large amount.

WORK MODE	Short time loading continuous running
POWER SUPPLY	3N - 380V
CASSETTE USAGE	Short 6 cycle Standard: 3 cycles
WORK TEMPERATURE	35 - 55 °C
CHAMBER SHAPE	Rectangular
DIMENSION	1000(L) x 1100(W) x 1790(H)
DOOR(S)	Double



ADVANTAGES

FAST STERILIZATION

Shortest 17 minutes cycle. Shorter cycle time requires less instruments to meet the supply demand. Therefore, cycle time is extremely important. With shorter cycle time, the plasma sterilizer saves cost for extra instruments. and enables fastest turnover of important instruments.

SAFE AND GREEN STERILIZATION

GENIST Plasma Sterilizer is in full compliance with medical device safety standards. Sterilant in hydrogen peroxide and byproducts are only water and oxygen which are completely safe to both human beings and the environment. Sterilization cycle is strictly controlled below 60 C in a dry condition, avoiding damages caused by temperature and humidity changes. Dynamic laminar flow oil and gas separation technology. together will special air absorbing device ensuring exhausted air is clean and safe.

LOW COST STERILIZER

In the long run, comparing with other sterilizer technology (such as steam, EO, formaldehyde, etc,) GENIST Plasma Sterilizer has lower cost cycles that sterilizer precision instruments in a very gentle fashion, prolonging the lifespan of them while saving hospitals purchasing cost. In the meantime, cost of the sterilizer and consumables are much lower than similar products, which saves a lot of daily expenses.

POWERFUL STERILIZATION

Sterilization Assurance Level means the probability of a single being on sterile after it has been subjected to sterilization process. GENIST Plasma Sterilizer can achieve 10 SAL.

SIMPLE OPERATION AND CONTROL

Intelligent sterilization control system allows one key sterilization and displays cycle progress % countdown, which is convenient for relative work arrangement in hospitals.

EASY INSTALLATION AND SERVICE

Installation doesn't need room analysis, drainage system, ventilation system, detoxification devices, safety management, regulation measures, personal protective device and training. Our experienced engineers will provide professional service for installation.

CONSUMABLES

Best materials & competitive price consumables such as Biological Indicator (BI), Chemical Indicator (CI) Hydrogen Peroxide Cassette, Non-woven Fabric, Instruments Tray. Package, etc.

CASSETTE

Fixed volume and concentration of hydrogen peroxide is sealed in every capsule. A short Cycle consumes are capsule, The injection system and transformation procedure ensure the concentration and volume of hydrogen peroxide injected in sterilization chamber is exactly the same for every cycle, In this way, the sterilization cycle is repeatable and guaranteed. Moreover, Cassette is easy for storage and operation, and also for staff when replacing cassette.

BIOLOGICAL INDICATOR

- » Simple Incubation and doesn't need sterile environment.
- » Special chemical ink for easy observation of color changes.
- » Chemical indicator is easy to be torn off for long term storage.
- » In accordance with related pharmacopoeia, laws and regulations.

CHEMICAL INDICATION TAPE

- » Used to fix non-woven fabrics when packing.
- » Chemical indicator on tape to indicate whether the package is sterilized..

CHEMICAL INDICATION STICKER

(Two-layer sticker can be separated and wrote with packing information)

- » Used to fix nonwoven fabrics (SMS) when packing.
- » Chemical indicator on tape to indicate whether the package is sterilized.
- » Stickers are separated and doesn't need cutting.
- » Stickers can be removed and stored after sterilization.

NON WOVEN FABRIC

Used to pack Instrument Tray during packing air permeable, waterproof, flexible, nontoxic.

CHEMICAL INDICATOR

- » Made with special ink to indicate sterilization status.
- » Can write information on it.
- » Convenient for sterilization on record.
- » Show directly the sterilizer's working status.

PACKAGES

- » Used to pack instruments for sterilization.
- » With chemical indicator.
- » Disposable medical item.

CHEMICAL INDICATION STICKER

(Three-layer sticker can be separated and wrote with packing information)

SIZE & CAPACITY

SIZE OF INNER CHAMBER IN MM	CAPACITY
300 x 300 x 300 mm	50 Litres
300 x 300 x 1200 mm	100 Litres
320 x 320 x 1200 mm	125 Litres
350 x 350 x 1200 mm	150 Litres
410 x 410 x 1200 mm	200 Litres

Size available as per customer requirement.