



STERMAN

Sterilization of Products
with International Standards

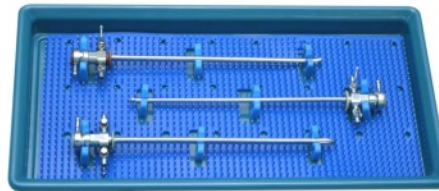


Purifying Lives...



CareKIT Lite | Autoclavable Plastic Sterilization Tray

- ▶ Endosys CareKIT Instrument Sterilization trays may be customized to adapt to a wide variety of individualized configurations.
- ▶ Delicate and well crafted metal instruments coming in to contact with the edges or surface of the CareKIT gets protected and it is totally safe when compared to the sterilization of metal instruments in a metal container.
- ▶ Polymer trays are light weight and easy to handle during sterilization and use.
- ▶ CareKIT has the option of transparent lids so that the instruments can be seen from outside and different procedure trays can be identified quickly.
- ▶ No rust formation and No bacterial growth in the polymer trays ensures a very safe and infection free environment for the implements and quality procedure can be conducted in the Operation theatre.



CareKIT Plus | Autoclavable Plastic Sterilization Tray with holders



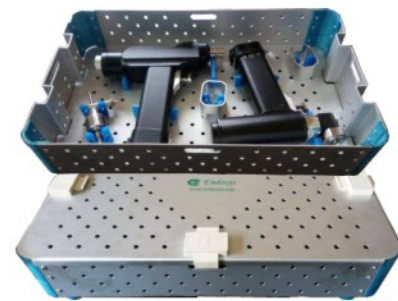
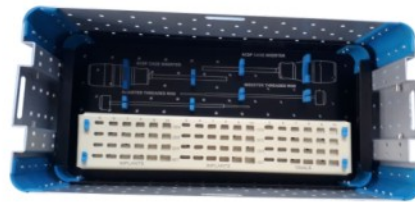
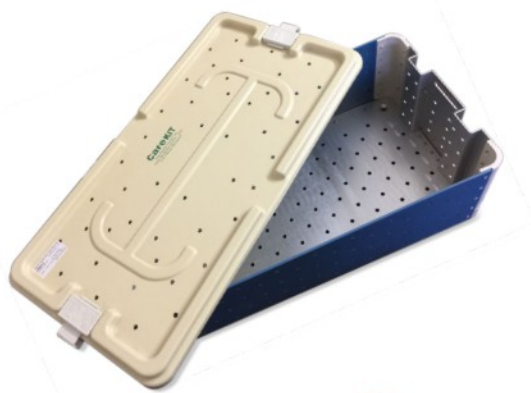
- ▶ Single / Double-layer tray for compact storage and sterilization of a variety of instruments.
- ▶ Durable MedPoly™ plastic lid and trays.
- ▶ Soft silicone strips inside to securely hold delicate instruments.
- ▶ Strips accommodate variable instrument diameters and lengths.
- ▶ A removable silicon mat supports small bridges, stopcocks, and seals.
- ▶ Safeguard instruments while transporting, sterilizing and storing.
- ▶ Trays can be customised as per the procedures by changing the Easy-Hold silicon strips.



CareKIT Pro | Customised Cavity trays

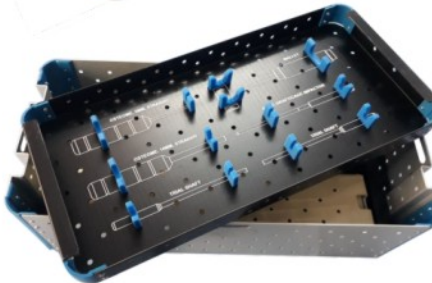


- ▶ Custom trays are specially made for the customers adhering to their needs of design.
- ▶ Designing of these trays are done in consultation with the customer to arrive at an optimized design for the placement of various instruments and implants so that it gives an ease of handling for the end users.
- ▶ Custom trays are mainly preferred by the Surgical and Medical Instruments manufacturer to give a good presentation of their products to their customers.
- ▶ Professional way of sterilizations avoids complaint from the user end by having a customised trays. It gives value addition and brand promotion.



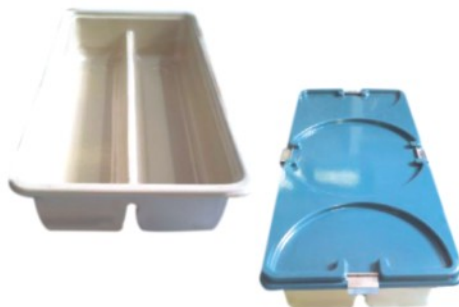
CareKIT Hybrid | Anodised Hybrid Aluminium Trays

- ▶ **LIGHT WEIGHT** - Innovative Hybrid trays addresses the issue of Heavy metal trays which gives lower back pain to the handlers.
- ▶ **PROTECTION**-Silicon mats protect your micro instruments avoiding contact with surface.
- ▶ **EASY HOLD** - Silicon holders Easy-Hold™ can be inserted in to the slots provided and can be customized in a very simple and quick way.
- ▶ **GO GREEN**- Due to the usage of polymer hybrid trays , hospital saves on electricity as the hybrid trays doesn't absorb heat. As the polymers are non-conductors of heat, it contributes to the green environment due to low consumption of electricity.
- ▶ **BIOCOMPATIBLE**-Manufactured using Medical grade polymer and henceforth, totally biocompatible and is manufactured under OSHA guidelines.
- ▶ Compatible with Steam, ETO and Plasma Sterilization, Light Weight, Chemical & Thermal Resistant



SoakKIT | Disinfection Tray

- ▶ A molded basin/cover designed specifically for Endoscopic Instruments.
- ▶ High grade plastic trays are compatible with all types of disinfectants.
- ▶ Inert to all types of chemicals and safe for longer durations of soaking.
- ▶ Accommodates all types of rigid and semi-rigid instruments.
- ▶ Light weight construct enables shifting inside the OR at ease.
- ▶ Double Compartment SoakKIT accommodate saline and disinfectant in the single tray and thus avoids spillage of liquids and slippage of instruments.



CarryKIT | Transportable Storage Case

- ▶ High impact thermo plastic cells along with custom moulded inserts.
- ▶ Custom interiors foam padding is available as a removable pre-diced layers of foam.
- ▶ A more rigid plush divider system is also available.
- ▶ Ultra violet and ozone stabilized.
- ▶ Exact fit with a custom moulded inserts helps prevent slippage of contents inside.
- ▶ Long lasting and weather resistant.
- ▶ Light weight packaging for both shipping and storage.
- ▶ Non metal construction will not dent, corrode, or conduct electricity.





SurgiPEN | Sterile Surgical Marker & Ruler

- ▶ Surgical Marker, Gentian violet and Methylene blue dye, regular and fine tip, sterile, disposable, packed with 6 inch ruler.
- ▶ The marker's gentian violet and methylene blue ink is non-toxic, non-tattooing, and surgical prep-resistant.
- ▶ Marker's non-abrasive tip minimizes tissue trauma,
- ▶ A separate flexible ruler in the Marker kit is designed to conform to the patient's skin for easier, more precise marking.
- ▶ Ruler is calibrated in both inches and centimeters.
- ▶ Single use is recommended for best results.



BipoZYME | Multiple Enzyme Instrument and Equipment Cleaner

- ▶ Endosys BipoZYME Multiple Enzyme Detergent is designed to provide one-step cleaning of delicate fiber-optic equipment, such as endoscopes and cystoscopes, as well as other surgical instruments, including those used for orthopedic, bariatric, cardiovascular and general surgery.
- ▶ BipoZYME is designed to be used on instrumentation immediately following the surgical procedure to break down soils associated with blood, fats and bone.
- ▶ Multiple Enzyme Detergent minimizes instrument handling, thus reducing exposure to most organic contaminants. It ensures the thorough and complete cleaning of equipment and instruments, a prerequisite to the completion of the decontamination process.
- ▶ BipoZYME is a liquid enzymatic detergent, and hence disperses instantly and completely without mixing. It is easy to use and dissolves much more quickly than powders.
- ▶ BipoZYME Multiple Enzyme Detergent contains four enzymes-Protease that breaks down proteins, Amylase that breaks down carbohydrates, Lipase breaks down lipids or fats, and Cellulase that targets cellulose fibers.



LubeSYS | Instrument Lubricant Concentrate

- ▶ Milky White emulsion / Mild oleic odour.
- ▶ Anti Microbial, Water soluble, Non-silicon Base, Anti-corrosive Lubricant.
- ▶ Steam and ETO permeable, compatible to high impingement washing equipment.
- ▶ Lubesys contains a preservative to minimize bacterial growth in the Lubricant bath.
- ▶ Lubesys penetrates deep into hinges and box locks to lubricate and prevent seizure.
- ▶ Lubesys will minimize rusting, staining and spotting during autoclaving and storage.



SafeHands | Automatic Hand Sanitizer

- ▶ Safe Hands is a germicidal product for hand sterilization
- ▶ Safe Hands acts against all nosocomial infection caused by viruses, bacteria and spores with a 99.999% total sterilization.
- ▶ Supplied with dispensing bottle & Ultra fine spray pump for uniform disinfection coverage.
- ▶ Semi Transparent unit cover ensure liquid level visibility.
- ▶ Safety switch deactivates the unit if main cover is opened.
- ▶ Volume of Liquid dispensed each time can be adjusted between 2 to 6 ml. Total volume of Container - 2100ml.
- ▶ Dimensions : L-320mm *W-185mm* D-130mm. Product weight : 2.36 Kg (excluding packaging, accessories, and bottle)
- ▶ Power source : Dc 6v(1.5v each) Alkaline Batteries, battery life : 3-6 Month
- ▶ Surgical hand scrubbing for OTs, ICUs, Clinics & Patients wards
- ▶ Sterile manufacturing areas of Pharma & medical devices





BipoWASH | Automatic Washer Disinfector

- ▶ Endosys BipoWASH Washer-Disinfector is configured for General Speciality surgical Instruments and is an ideal set up for Surgery Centers or Clinic based practices looking to Automate their instrument reprocessing.
- ▶ High throughput circulation pump provides thorough washing action at a low spray pressure for gentle yet powerful cleaning
- ▶ Built-in water softener helps to provide the best cleaning results in areas with hard water
- ▶ Automatic indication of error conditions assures reliable cleaning and disinfection results. If temperature is not met, detergent is not dispensed, the pump is not functioning, or water is not filling or draining, the washer will indicate an error rather than complete the cycle
- ▶ Final rinsing with DI or RO water for best cleaning results (pure water system not included)
- ▶ Quiet performance — washer is rated at 53 dBA for minimal workplace distraction
- ▶ Door automatically locks when cycle begins for safety of personnel and assurance of reliable cleaning process
- ▶ Water-proof system — shuts the water off in the event of a leak

STERMAN ETO | Fully Automatic Ethylene Oxide Sterilizer



- ▶ PureETO – the EO gas sterilizer uses 100% pure Ethylene Oxide Ergonomic and intuitive touch screen. PureETO offers new generation 10" color touch screens with high resolution and user-friendly operation.
- ▶ Software controlled dexterous door locking allows operator to release door using the touch screen panel only when it is safe to do so.
- ▶ The cartridge is punctured upon, the locking of sterilizer door completely and the vacuum, temperature and humidity levels reach preprogrammed parameters.
- ▶ eServer lets you transfer each cycle information and history data directly from CSSD room to a PC in the Clinic via Ethernet.
- ▶ The Wi-Fi module lets users transmit cycle data and current cycle status to a computer, tablet or smartphone, thus providing completely secure remote monitoring.
- ▶ PureETO comes with an integrated printer.
- ▶ Compressor not required to avoid tedious maintenance because unhealthy compressed air may damage performance of equipment and hence oil free system.
- ▶ Optional accessories include sealing machine, steribags, chemical and biological indicator lables.



STERMAN Plasma | Fully Automatic Plasma Sterilizer



- ▶ STERMAN Plasma sterilizer use hydrogen peroxide (H₂O₂) as a sterilant to sterilize precise medical devices and instruments which may be changed their properties and appearances under high temperature and pressure.
- ▶ Hydrogen peroxide is a non – toxic, powerful oxidizing agent that decomposes in to water and oxygen. The benefit of hydrogen peroxide is environment friendly. It does not leave harmful residues after plasma phase to the environment and human bodies. Also it has great advantages in sterilizing performance that can destroy a wide range of pathogens.
- ▶ New generation 10" color touch screen with high resolution and user-friendly operation. Operator can use the sterilizer with Ergonomic touch screen and monitor the entire sterilization cycle in real time.
- ▶ Increases the turnover rate of the high priced delicate medical devices and instruments in the hospital. Software Controlled Dexterous Door Locking allows operator to release door using the touch screen panel only when it is safe to do so with safety features.
- ▶ Plasma Chamber RF generator produce Plasma in chamber on time with specific frequency
- ▶ Printing units comes with an integrated thermal printer
- ▶ e'Remote allows to view and monitor the same screen shown on the HMI and control the Cycle process via Wifi.
- ▶ Sterilant Injection System contains Hydrogen Peroxide (57~59%) in vial, easy to fix in specific sterilant window at left hand side body of . Each vial having enough sterilant for any one cycle. Every cycle needs new sterilant vial.



STERMAN Autoclave

Fully Automatic
Steam Sterilizer

- ▶ The New Steam Generator and high performance Double-Head Vacuum Pump ensure extremely fast cycle execution and stability of process parameters.
- ▶ High sterilization quality, Short sterilization cycles i.e., in 15 minutes (without drying)
- ▶ Compact solution with integrated fresh water and waste water tank.
- ▶ Simple one touch operation. Easy handling minimizes operator errors.
- ▶ New Automatic Door Locking Mechanism ensures safety and simplicity of use.
- ▶ eServer allows to transfer each cycle information and history data directly from CSSD room to a PC in the Clinic via Ethernet.
- ▶ eRemote lets you view and monitor the same screen shown on the Trueklav HMI and control the Cycle process via Wifi.
- ▶ The Wi-Fi module lets users transmit cycle data and current cycle status to a computer, tablet or smartphone, thus providing completely secure remote monitoring.



ACCESSORIES & CONSUMABLES

19-15000	Individual Silicon Holders (Pack of 25)	40mmx25mm
19-15005	Endosys DuraMat can be cut to size to fit most cases.	450mmx250mm
19-15015	DuraMAT – Silicon Magnetic Mat	150mm X 150mm
42-19001	SafeHands - Auto Hand Sanitizer - (Liquid Spray Model)	150mm X 150mm
42-19002	SafeHands - Auto Hand Sanitizer - (Gel / Soap Model)	150mm X 150mm
43-15100	SafeHands - Sterile liquid	500ml
43-15101	SafeHands - Sterile liquid	1 litre
43-15102	SafeHands - Sterile liquid	5 Litres

43-17101	LubeSYS - Instrument Lubricant Concentrate	1000 ml
43-17102	LubeSYS - Instrument Lubricant Concentrate	5 Ltrs.
43-21600	Bipozyme - Multiple Enzymatic Cleaner	1000 ml
43-21601	Bipozyme - Multiple Enzymatic Cleaner	5 Ltrs.
43-21603	Bipozyme - Multiple Enzymatic Cleaner	4x5 Ltrs.
25-12069	Endosys SurgiPEN Sterile Surgical Marker & Ruler Surgical Marker, Genetian Violet Dye, Regular Tip, Sterile, Disposable, packed with 6" Ruler (Box of 25)	Box of 25 kits
25-12070	Endosys SurgiPEN Sterile Surgical Marker & Ruler Surgical Marker, Genetian Violet Dye, Fine Tip, Sterile, Disposable, packed with 6" Ruler (Box of 25)	Box of 25 kits

Endosys CareKIT™ SYSTEM

Endosys CareKIT™ is a versatile system for organizing and protecting surgical instruments and implants. Designed to meet both the growing trend toward standardization of instrument sets and your individualized surgical needs, the CareKIT system can be adapted to Multi specialty services.

Standard instrument insert trays are available in many sizes, and can be used alone or stacked in a base tray in many different combinations, allowing you to organize instrument sets as per the procedure/departments, with practical and protective layers.

These trays are high heat resistant and chemically resistant and are compatible with Steam Sterilization, Ethylene Oxide sterilization, Cold disinfectant Sterilization and Gas plasma Sterilization.

General trays comes in various dimensions and has been designed in such a way that they are useful in Orthopedics, Neurosurgery, Gyneac, Plastic and Vascular Surgery, Cardio Vascular & thoracic surgery, General Surgery, Urology and other departments. These trays are designed to protect the aesthetics of the Operation Theatre and give an ease of handling.

Material Information

Endosys carefully manage the production to comply with standards for healthcare and medical products. All products are suitable for use with approved cleaning chemicals and medical liquids used in hospitals and healthcare. Material used in all products is MedPoly™ polyphenyl compound unless stated. Material complies with ISO10993 Biocompatibility of medical devices.

Polyphenyl material is a derivative from oil production. Polyphenyl is identified as a material class 5 and can be recycled. The dyes for material colouring are safe, non toxic and comply with Directive 67/584/EEC on Dangerous Substances and Directive 67/769/EEC to protect human health, the environment and the interests of consumers. Polyphenyl can be incinerated with residue emission of carbon monoxide and water. Products must be disposed of in accordance with regulations on clinical waste and hospital protocol.

Processing Information

The STERMAN Range is designed to be steam autoclaved in autoclaves compliant to HTM2010, BS3970, and EN285:1996 and ISO17665 with a processing temperature of 134°C or 121°C as per the hospital CSSD standards. Products are good within a temperature range of minimum 4°C and maximum 145°C. To ensure sterilization, it is essential that the interiors of the products are not obstructed and allow free circulation of steam, air and gas. Products must be separated and not interstacked. Products should not be tightly wrapped. Products should be packed into autoclaves so to avoid obstructions and heavy weights. Only trained operators should be responsible for handling and processing products.

Certification

Endosys Technologies is certified to ISO 9001:2015 and ISO 13485:2003. Products are classified as Class 1 Medical Devices Commercial Information All contracts are made in INDIA and governed by Government of Indian law. Orders are accepted only in accordance with our terms and conditions shown on current price lists, web-site or agreed on an individual basis.

Distributed by



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