

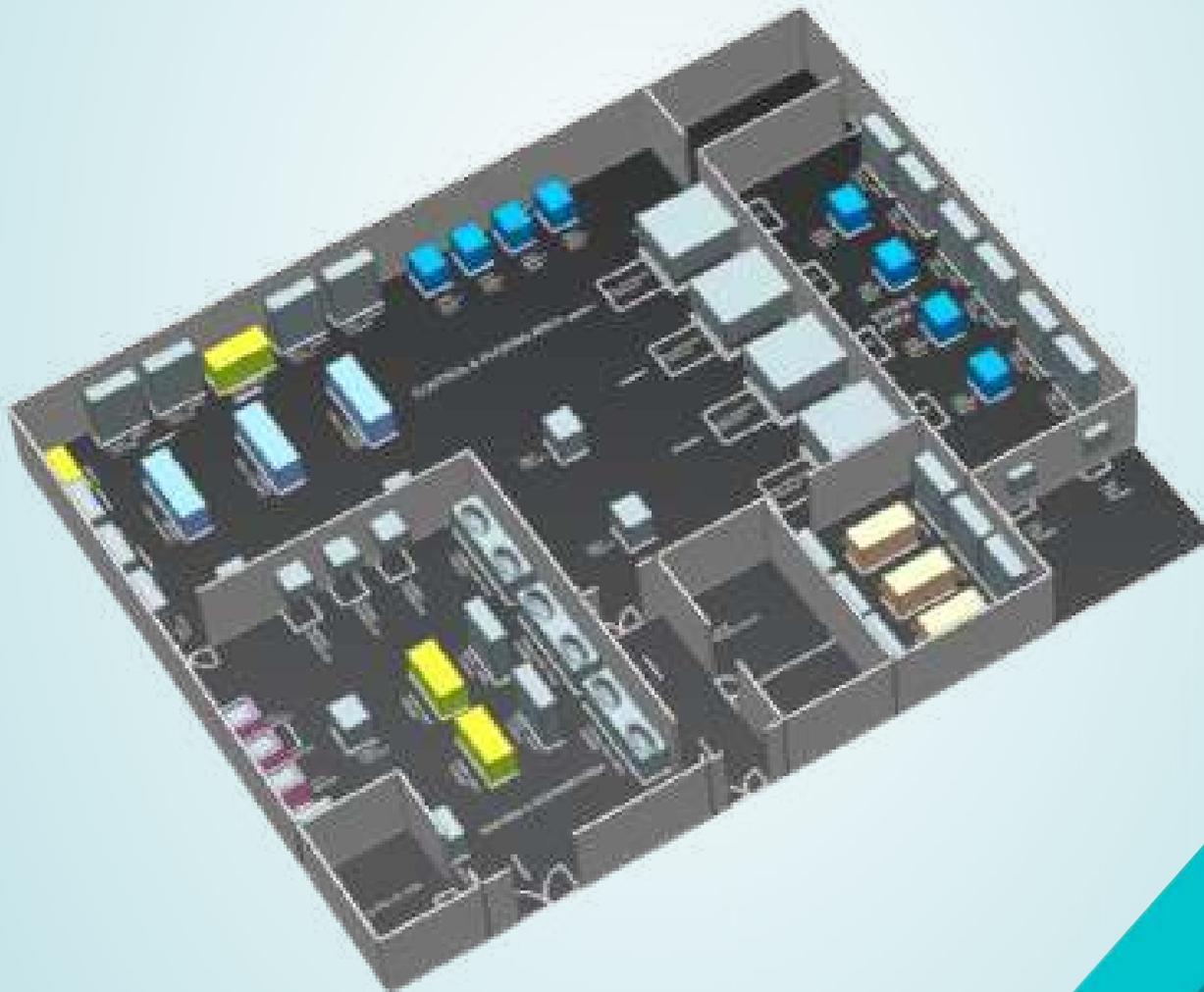
CSSD TECHNOLOGIES

(A UNIT OF)

INSTECH SYSTEMS

(An ISO 9001:2015, ISO 14001:2015 Certified Company)

CENTRAL STERILE SERVICES / SUPPLIES DEPARTMENT



PLANNING / EQUIPMENT / OPERATION / SUPPORT

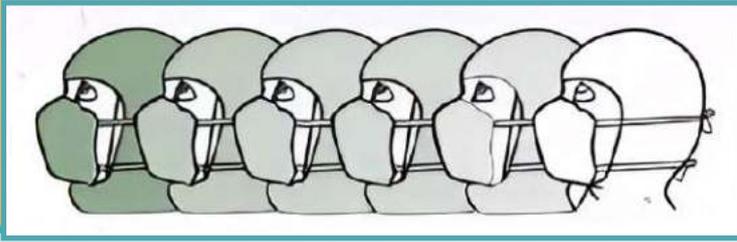
INFECTION CONTROL : OUR PASSION



HOSPITAL MANAGEMENT

CHALLENGE : SOLUTION
INFECTION CONTROL : CSSD MANAGEMENT

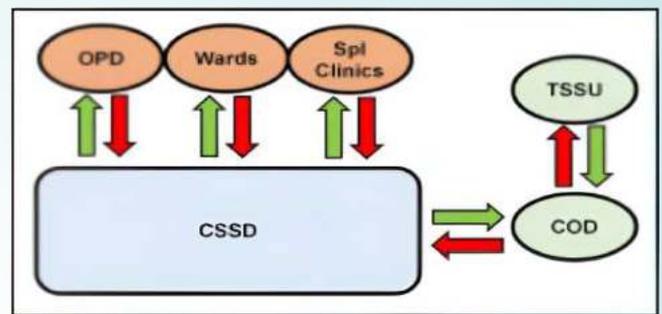
Central Sterile Service Supply Department



- Prevents Spread of Diseases
- Quicker Post Operation Healing
- Better Patient Experience
- Improved Reputation

CSSD Functioning

- RECEIPT OF SOILED MATERIAL
- ENTRY OF RECEIPTS IN COMPUTER
- CLEANING OF RECEIVED MATERIAL.
- CHECKING ,INSPECTION & PACKING
- STERILIZATION
- ISSUE OF STERILIZED MATERIAL
- ENTRY IN COMPUTER



1. Soiled Area 2. Clean Area 3. Sterile Area

LIST OF EQUIPMENTS

CLEANING ZONE

WASHING STATION & SPRAY GUN
WASHER DISINFECTOR
ULTRASONIC CLEANER
DRYING CABINET

SORTING ZONE

LINEN FOLD TABLE
WORK TABLE
CONTROL & PACKING TABLE
MAGNIFYING LAMP
SEALING MACHINE
GAUGE CUTTING MACHINE

STERILIZATION ZONE

HPHV STEAM STERILIZER
FLASH STERILIZER(TABLE TOP)
ETO STERILIZER
PLASMA STERILIZER

ISSUE ZONE

WORK TABLE
PASS BOX

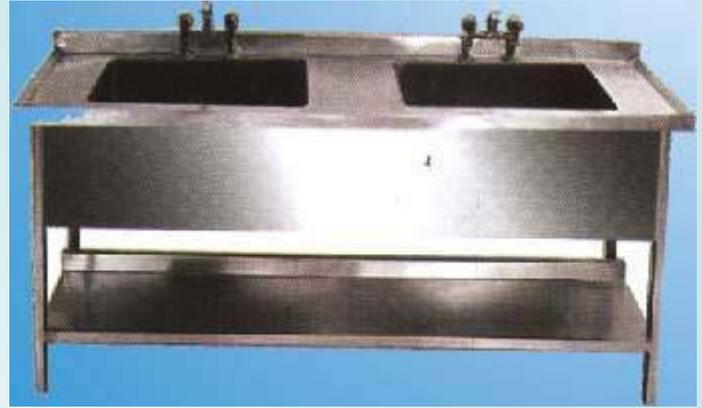
GENERAL

STORAGE SHELF
INSTRUMENT TRAYS
STANDING BASKETS
RACKCARRIAGE & TROLLEY
DISTRIBUTION TROLLEY
TABLE TROLLEY
CLOSED TROLLEY
BASKET RACKS
DUMB WAITER (DIRTYGOODS)

CLEANING ZONE

INSTECH DOUBLE SINK WASHING STATION

- Sturdy Smooth Construction
- High Back Splash Wall
- Generously Sized Sinks
- Hot & Cold Mixing Faucets
- Trap in Drain Line
- Burr-Free Edges for Safety
- Fully Covered Structure with Storage (optional)
- MOC SS-304 (SS-316 optional)



INSTECH Ultrasonic Cleaner



- SS 304 Construction.
- SS-304 Wiremesh Basket.
- Burr-Free Edges for Safety.
- Microprocessor based Controller.
- LED Indication of Temp. /Time.
- Cleaning by RO water.
- High efficiency cleaning by Alcohol
- Temp. Range 30°C to 60° C
- ULTRASONIC Freq. 40 KHz.
- MOC SS-316(Optional).
- Available in different Capacity.

INSTECH SPRAY GUN (Water / Air)

- For Endoscope & Catheter Cleaning
- Very useful for Stubborn Debris
- To clean instruments quickly and thoroughly.
- Set of Nozzles(Optional).



INSTECH WASHER DISINFECTOR

- Sturdy construction for long service
- Powerful fluid circulating pump.
- Generously rated heaters.
- Dosing pumps
- Rotary spray arms.
- pH control for quality assurance.
- Power cut-off against over heating.
- Disinfection by hot air (HEPA filter optional).
- Hot water Rinsing, Degreasing, Washing, Final Rinsing & Disinfection.
- PLC / HMI Based Control.
- Options Single / Double Door, Vacuum Drying.
- Available in different capacities.



INSTECH DRYING CABINET

- Suitable for Drying of CSSD Materials
- Sturdy construction for long service.
- Generously rated heaters.
- Air circulation interlocked heater
- High grade insulation.
- Digital temperature control.
- Digital timer.
- Safety against over heating.
- MOC SS-304 (SS-316 optional).
- Available in different capacity.
- Disinfection by hot air (HEPA Filter Optional).

SORTING / INSPECTION / PACKING ZONE

INSTECH Sorting Table

- Ergonomic Design.
- Burr & abrasion free Round edges.
- Under Shelf for Extra Space.
- Telescopic Drawer (Optional).



INSTECH Linen Fold Table

- For Inspection of Hospital Linen
- Toughened Ground Glass Work Surface.
- Illumination by LED.



INSTECH Control & Packing Table

- Designed for Enhanced Productivity.
- Burr / Abrasion Free Round Edges
- Top Overshelves (2Nos.) For Storage.
- TeleScopic Hatch & Drawers(Optional).
- Available in Single or Double Side.



INSTECH Magnifying Lamp

Suitable for inspection of Surgical appliances.

INSTECH Sealing Machine (Deluxe Model)

Suitable for sealing of plastic or paper bags .



Controls

With Digital Controller & Timer.

Temp.

Controlled from 60°C-220°C.

Width.

Width up to 400mm/500mm.

Options

Roller Table for easy moving Packets

Sealing & Printing

Cutting, Sealing & Printing (Optional)

(Economy Model also available)



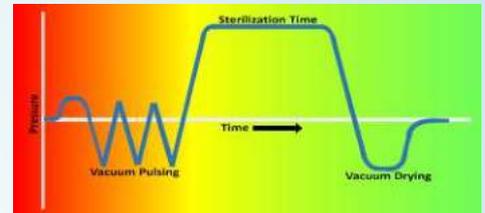
INSTECH Sealing Station

- Ergonomic Design.
- Packing Rolls Mounting Stand.
- Incoming Basket.
- Out Going Basket.
- Options : Automatic Cutter & Printing.

STERILIZATION ZONE

INSTECH HPHV Steam Sterilizer

- Engineered for complying with the World Standards.
- Cycles for different load options.
- Bowie & Dick Test, Vacuum Leak Test, Spore Test.
- Vacuum Pulsing, Vacuum Dry Cycles.
- Filtered sterile air admission for process completion
- Door Interlocking.
- Ensures Process Sanctity , User Safety & Equipment Components
- Vacuum Pulsing for removal of Air pockets from Load.
- PLC/HMI Based Automatic Operation.
- Pulsating Deep Vacuum.
- Maintain Uniform Temperature in Chamber.
- Pneumatically Operated Sliding Door.
- Available in different Capacity.
- MOC SS-304/SS-316(Chamber& Jacket) Optional.
- Optional : Data Acquisition
 - : SCADA
 - : 21 CFR PART 11 , US FDA Compliant System.
 - : DQ, IQ ,PQ ,OQ Documentation.



Process Graph

INSTECH FLASH STERILIZER (Table Top)



- Sturdy Construction, Flash Sterilization for emergency process.
- Available in B & N class for varied users.
- Protection for over heating.
- Microprocessor based automatic operation.
- Door interlocking for safe functioning
- Silicone rubber gasket.
- In built printer.
- Different cycle options.
- Useful in Clinics, Dispensaries & Nursing Homes.
- Capacity 16 Ltr./23 Ltr.

INSTECH LTS H₂O₂ PLASMA STERILIZER



- World Class Proven Design.
- For Heat Sensitive Endoscopes, Catheters, etc.
- Operates Under Vacuum.
- Rectangular Chamber.
- H₂O₂ Cartridge /Bottle Suction Device.
- Sliding Door (Double Door Optional).
- Short Duration Cycle, Max. Temp. 65 °C.
- Powerful Plasma Generation.
- Loading Shelves.
- PLC/ HMI Based Automation.
- Printer USB Device for Process Record.
- Available in 60 & 130 L Capacity.

INSTECH ETO Sterilizer

- Suitable for Heat Sensitive Loads.
- Ensures Safety of user, Environment & Sanctity of Process.
- Ensures gentle sterilization for delicate Instruments like Optics, Endoscopes, Catheters, electrical devices and plastics.
- Vacuum Leak Test.
- Entire Cycle Under Vacuum
- Silicone Rubber Gasket.
- Eto Cartridge Puncture Device.
- PLC / HMI Based Automatic Operation.
- Available in different sizes.



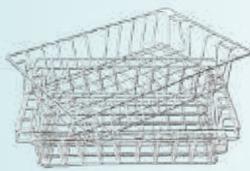
Handling, Storage & Transportation Accessories

Table Trolleys

Used for internal transport of components and instruments within the CSSD.

Distribution Trolleys

Used for external transport of baskets to and from the CSSD to the different departments.



Basket Trolleys

Basket trolleys are used for to & fro transport.

Basket Rack

Fabricated in stainless steel for storing Baskets. The arms design for efficient baskets holding.

Instrument Trays

Ideally suited for keeping instruments.

Baskets These can be stacked one above the other when loaded and into one another for compact storage when empty.

Storage Shelf

These are fabricated in stainless steel suitable for floor and wall mounting. All edges are ground for easy cleaning.

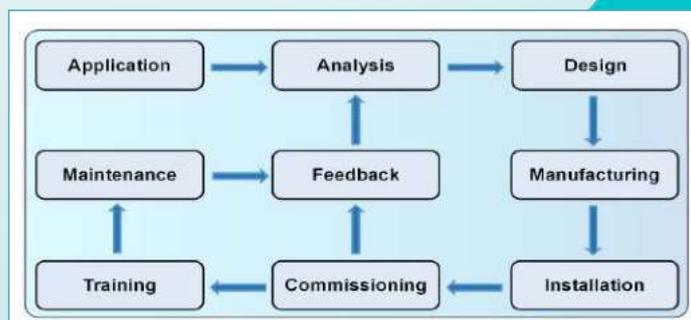


Closed Transport Trolley



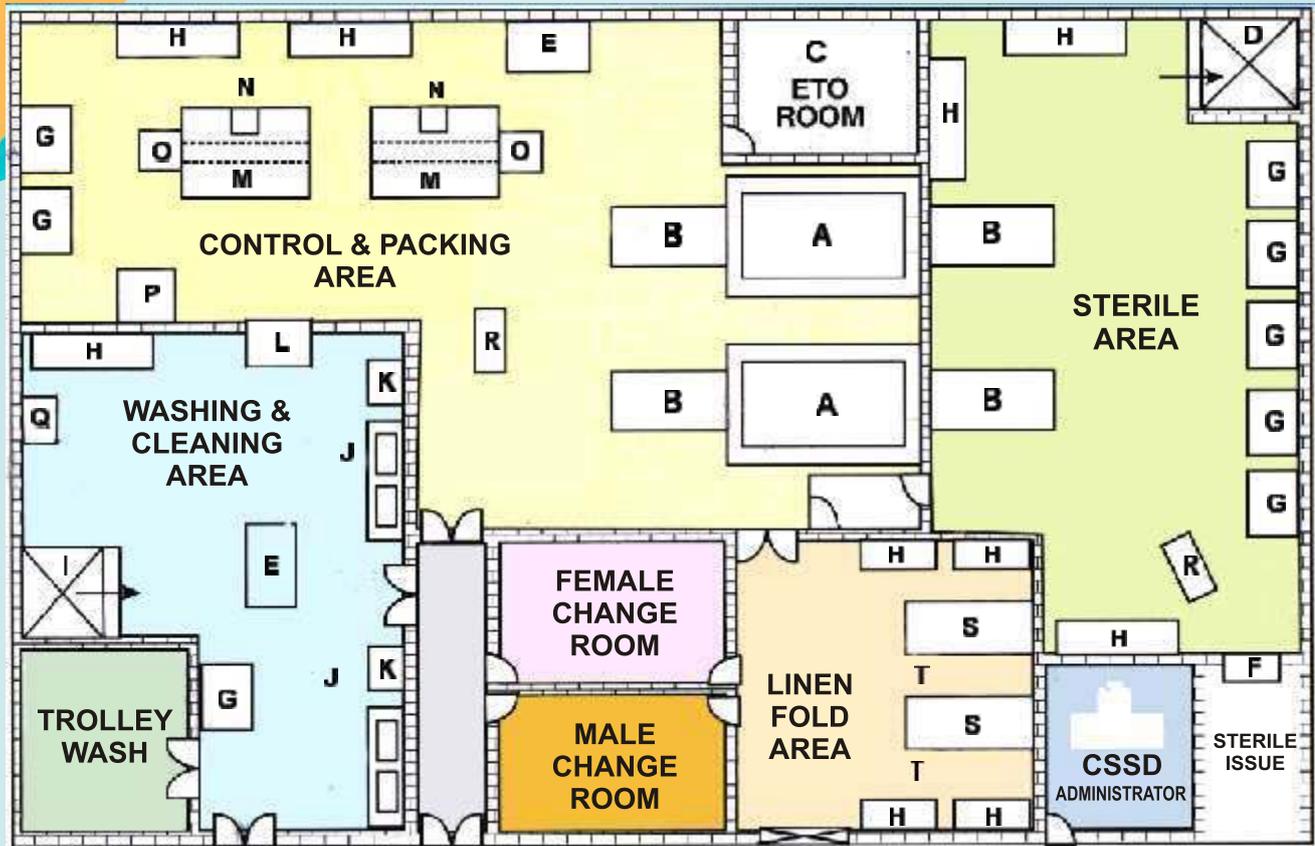
Total Solutions

We at "INSTECH" with over 30 years of experience in the field of sterilization and disinfection are not just equipment manufacturers; we are solution providers for your needs.



Central Sterile Supply Department

(a typical layout)



PASSAGE

- | | |
|--------------------------------|----------------------------|
| A. STEAM STERILIZER | K. ULTRASONIC CLEANER |
| B. CARRIAGE & TROLLEY | L. WASHER DISINFECTOR |
| C. E.T.O. STERILIZER | M. CONTROL & PACKING TABLE |
| D. DUMB WAITER (STERILE GOODS) | N. MAGNIFYING LAMP |
| E. WORK/SORTING TABLE | O. SEALING MACHINE |
| F. PASS BOX | P. DRYING CABINET |
| G. FREE STANDING BASKET RACK | Q. ENDOSCOPE WASHER |
| H. STORAGE RACK | R. TABLE TROLLEY |
| I. DUMB WAITER (DIRTY GOODS) | S. LINEN FOLD TABLE |
| J. WORK TABLE WITH DOUBLE SINK | T. GAUZE CUTTING MACHINE |

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