



# Space Time & Research (P) Ltd. (Great Scientific Concepts)

An ISO 9001:2008 CERTIFIED COMPANY  
A CE CERTIFIED COMPANY  
A ROHS CERTIFIED COMPANY  
A ISI CERTIFIED COMPANY



The central sterile services department (CSSD), also called sterile processing department (SPD), sterile processing, central supply department (CSD), or central supply, is an integrated place in hospitals and other health care facilities that performs sterilization and other actions on medical devices, equipment and consumables; for subsequent use by health workers in the operating theatre of the hospital and also for other aseptic procedures, e.g. catheterization, wound stitching and bandaging in a medical, surgical, maternity or paediatric ward.



## QUALITY CONTROL

### 1.Indicator tapes

- Time, temperature, pressure sensitive tapes.
- Does not indicate for sensitivity for sterilization but only suggest the required time and pressure the items have been subjected

### 2.Bacteriological indicator :

- Kept in center of pack before the process and later on subjected to lab for colony count and growth
- A pack of non- pathogenic bacterial spore (stearo- thermopiles) is placed in each load to check quality.
- If the level of sterilization is satisfactory, the green/ brown color change to black.

3.Personnel should be adequately trained to handle the equipments.

4.Regular maintenance of equipments be done.

5.The hospital infection control committee monitors the sterilization by drawing samples and growing in medias for colony count.

# EQUIPMENT

## CLEANING AREA

- High capacity pass through washer disinfector at 80°C to 90°C having various shapes and sizes.
- Cold and hot water streams.
- Detergent Solution.
- Steam when available.
- Hot air ovens for drying instruments.
- Wall fixtures for drying.



## STERILIZATION AREA

- Autoclaves using dry heat, moist heat.
- Ethylene oxide sterilizers.
- Testing material to check effectiveness of sterilization.



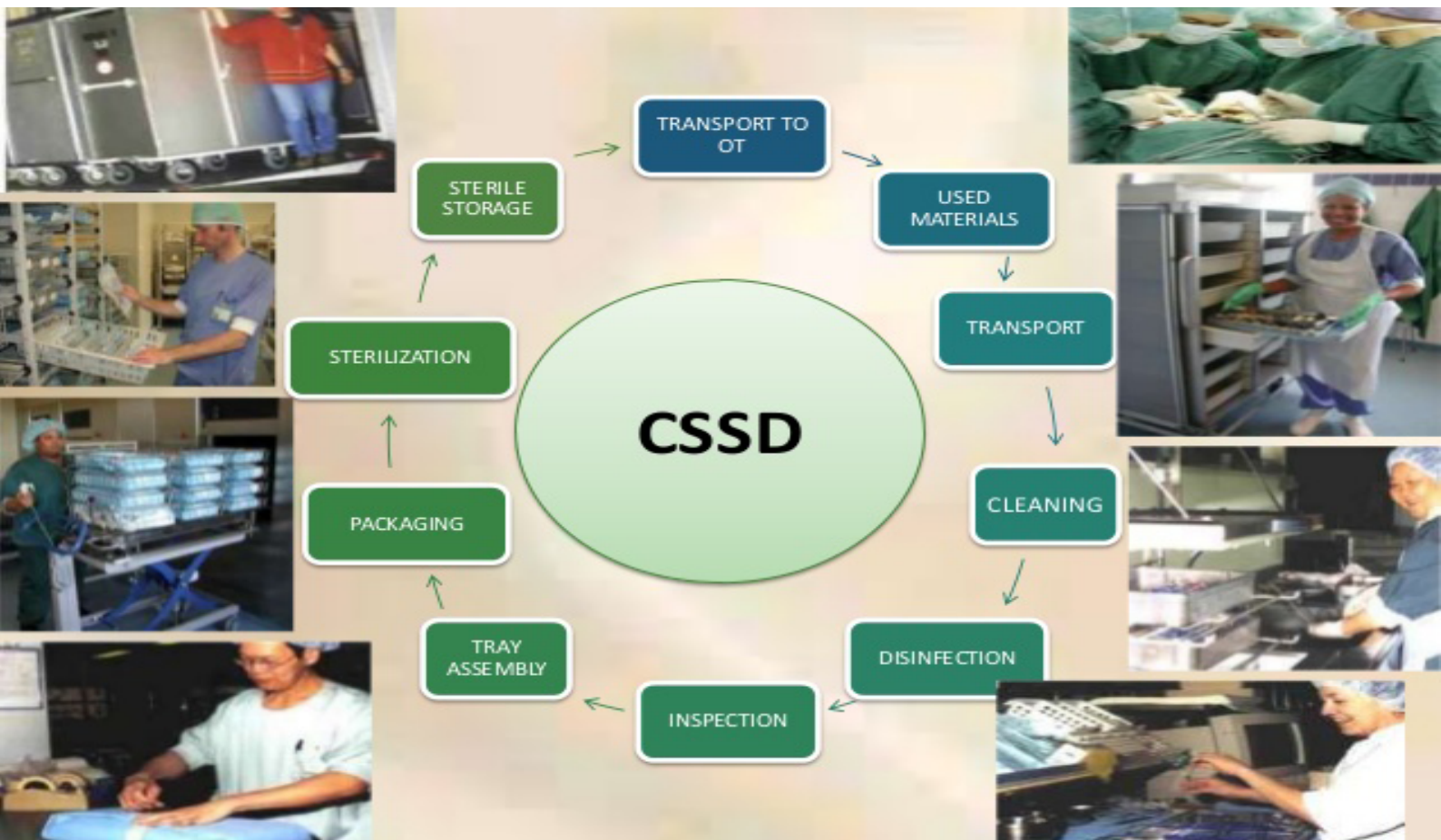
## STORAGE AND DISTRIBUTION

- Cup boards, selves, tables, chairs, racks.
- Trolleys, instrument trays, wire baskets and containers.

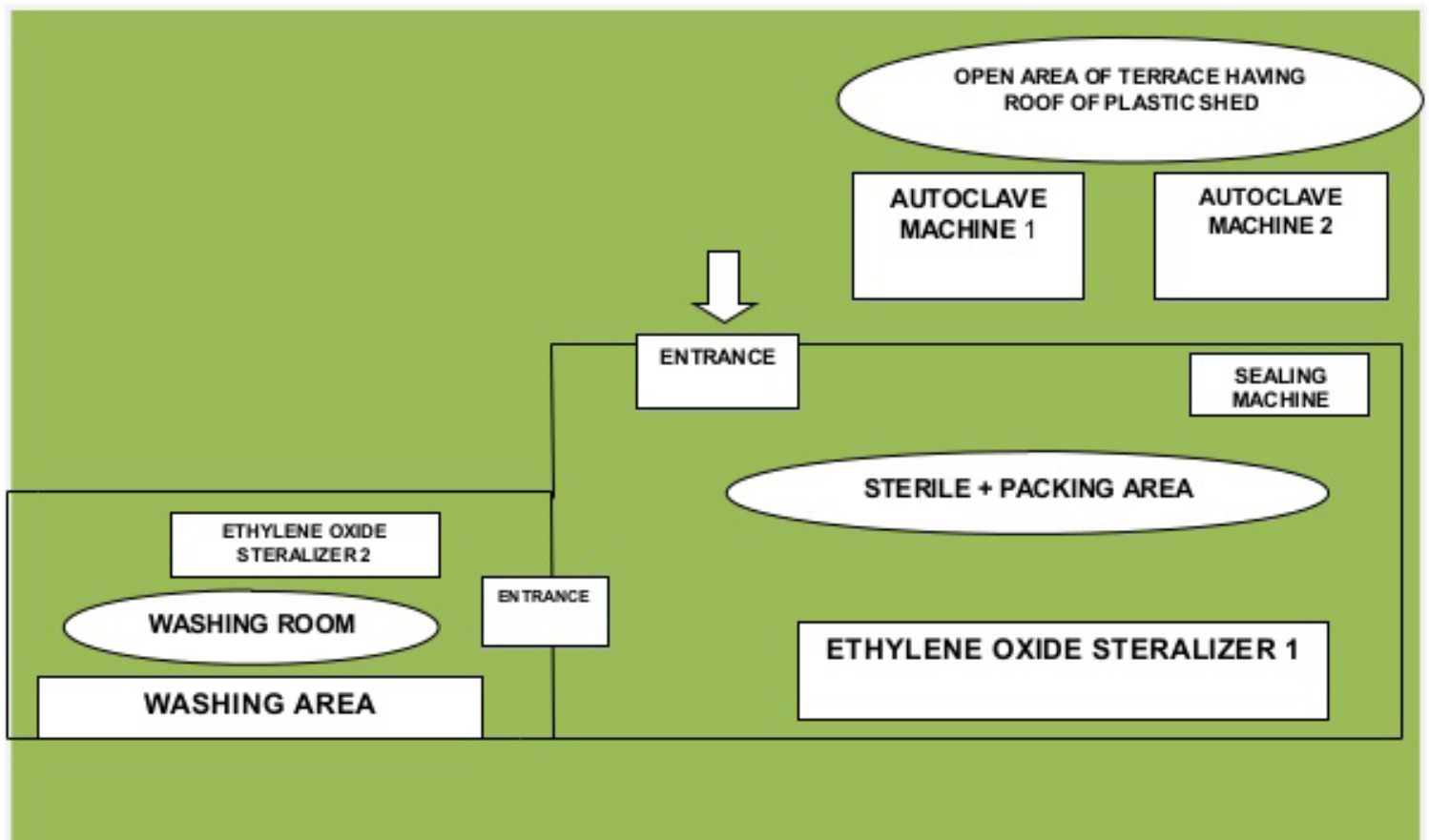


# OTHER EQUIPMENT

- Cleaning and decontamination devices
- Hot air Oven for drying & heat sterilization
- Glove processing unit for surgical gloves
- Instrument sharper e.g.. Needle sharper
- Testing apparatus for emergency sterilization
- Others :- trolleys, work surface, telephones
- Maintenance and repair of equipments
- Material : chemicals for washing and cleaning
- Steam Boiler



## LAYOUT OF CENTRAL STERILE SUPPLY DEPARTMENT



## HORIZONTAL AUTOCLAVE



Horizontal Autoclaves, manufactured by SPACE TIME brand are smart investment for hospitals and laboratories, where large volume of sterilization is required. Designed ergonomically, our range of high pressure horizontal autoclave sterilizers is ideal for academic facilities, biotech industries, pharmaceutical industries, hospitals, research centers and food and beverage industries. These units efficiently meet stringent sterilization requirements and well suited for sterilizing hospital dressings and surgical instruments, rubber and plastic goods, glassware and utensils etc.

## ULTRASONIC CLEANER



Ultrasonic cleaners are used to clean many different types of objects, including jewelry, lenses and other optical parts, watches, dental and surgical instruments, tools, coins, fountain pens, golf clubs, fishing reels, window blinds, firearms, car fuel injectors, musical instruments, gramophone records, industrial parts and electronic equipment. They are used in many jewelry workshops, watchmakers' establishments, and electronic repair workshops.

## ETO

Ethylene oxidesterilization is a chemical process consisting of four primary variables: gas concentration, humidity, temperature and time. EO is an alkylating agent that disrupts the DNA of microorganisms, which prevents them from reproducing. Best suitable for heat sensitive items



## TRACK AUTOCLAVE

Highly advanced, Suitable for High volume , fully automatic, loading & unloading on automatic tracks.



**BLOOD BANK  
PRODUCT LINE**



**STAR LIGHTS PRODUCT LINE**



**HOSPITAL FURNITURE  
PRODUCT LINE**

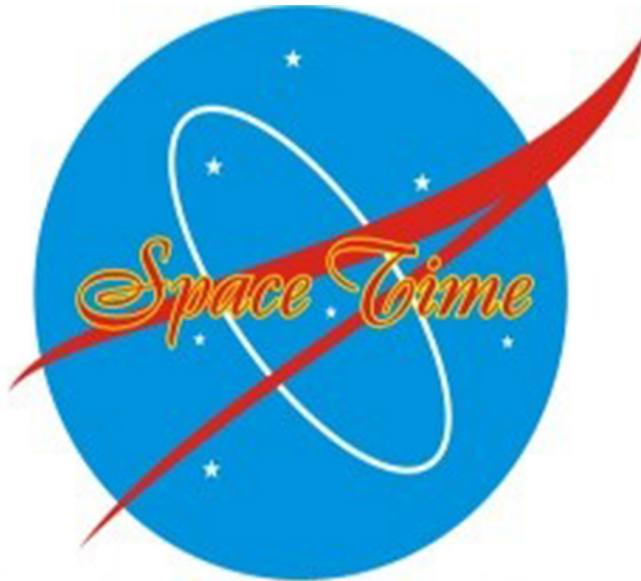




Great Innovations to Protect

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*Great Innovations to Protect*



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07055076661



MANUFACTURING UNITS:

Unit 1: #Plot no. 20,22 I block, Industrial Area, Hastinapur, Meerut (UP)  
Unit 2: # Plot no. 12/2, site-4, Industrial Area, Sahibabad, (UP)



[WWW.SPACETIMEINDIA.COM](http://WWW.SPACETIMEINDIA.COM)



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